



Francisco Artés Hernández

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Ingeniero Agrónomo por la Universidad Politécnica de Valencia (1999). Diplomado Superior en Ingeniería y Aplicaciones del Frío (CSIC, 1998). Dr. por la Universidad Politécnica de Cartagena (UPCT, 2004). Catedrático de Universidad en Tecnología de Alimentos de la UPCT desde 2017. Tengo acreditados 4 tramos de Investigación, 1 de Transferencia y 4 de Docencia.

Mi Investigación se centra en innovaciones tecnológicas sostenibles para preservar y/o potenciar la calidad y seguridad de frutas y hortalizas frescas y mínimamente procesadas, incluyendo la revalorización de subproductos y estreses abióticos para aumentar la síntesis de compuestos bioactivos.

Desde 2016 soy Investigador Responsable del Grupo de Postrecolección y Refrigeración (GPR-UPCT). Galardonado con el Premio 'Isaac Peral' al mejor investigador de la UPCT en 2022 y por su producción científica, y transferencia de tecnología en 2009, 2016 y 2018. Premio Fundación Covirán en 2018 y Premio Sakata 2021.

Miembro del Equipo de Investigación de 29 Proyectos financiados en convocatorias públicas de España o UE, investigador principal (IP) en 4: MICIU (PID2021-123857OB-I00), MINECO (AGL2013-48830-C2-1-R), MEC (AGL2007-63861/ALI) y Fundación Séneca (20849/PI/18), destacando la participación en los Europeos FP7-BBBE.2013.1.2-02 y AGRI-2006-0398. He participado en más de 70 contratos de I+D con empresas privadas de la UE y EEUU (IP +50%).

He dirigido 17 Tesis Doctorales, 6 de ellas premio extraordinario, 28 TFM y 43 TFG. Tengo 4 patentes de invención. He participado en 6 proyectos de ingeniería.

He publicado +130 artículos en revistas listadas en el JCR del ISI, 70% están en el Q1, en el 70% aparezco como primer, último o autor de correspondencia, estando aprox el 50% firmados por 5 autores o menos. El 27% de ellos en colaboración internacional. He recibido +4500 citas, con un índice H de 41 y de 21 referido a los últimos 5 años. FWCI = 1,29. Me encuentro entre los 2200 científicos españoles más relevantes de todas las categorías de investigación según webometrics. Ocupo el puesto 131 en España y el 2634 en el ranking mundial según Research.com en el campo de Plant Science and Agronomy.

He publicado +40 artículos en revistas no listadas en el JCR, +30 capítulos de libros y +350 comunicaciones en Congresos o Symposiums. En +20 de ellos he sido miembro del Comité Organizador y/o Científico, en 13 presidente. He organizado los principales de mi área: "Iberoamericano de Tecnología Postcosecha" y el "VIII International Postharvest Symposium" de la ISHS.

Soy Miembro del Equipo Editorial de revistas del JCR-ISI: Foods, JSFA, Frontiers y Applied Sci. Guest Editor de 2 Special Issues de Foods. He sido evaluador de Proyectos de I+D+i para la ANEP (España), Ministerio de Ciencia y Tecnología (Argentina) y Ministero dell'Università e Ricerca (Italia).

Director de la Escuela Internacional de Doctorado de la UPCT (2024-actualidad). He coordinado los estudios de Máster (2011-2015) y Doctorado en Técnicas Avanzadas



de Investigación y Desarrollo Agroalimentario –TAIDA (2011-2024) de la UPCT. Coordinador Erasmus con 4 universidades. He dirigido la Cátedra de Investigación G's ESPAÑA-UPCT (2014-2020). Destaco por la dirección de 20 Ed del “Curso en Tecnología Postcosecha y Procesado Mínimo”, con 44 instructores de 10 países y 31 centros /empresas y 85 participantes anuales de 17 países, titulándose +1400 alumnos de decenas de países. También las 9 Ed. del “International On-line Course on Postharvest and Fresh-cut Technologies”, con 43 profesores de 23 países y 33 centros y 50 participantes anuales de 20 países, titulándose +300 alumnos.

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Tengo acreditados 4 tramos de Investigación, 1 tramo de Transferencia de Conocimiento e Innovación y 4 tramos de Docencia. He publicado +130 artículos en revistas del JCR-ISI, 70% Q1, en el 70% aparezco como primer, último o autor de correspondencia, estando @50% firmados por 5 autores o menos. El 27% de ellos en colaboración internacional. He recibido +4500 citas, con un índice H de 42 según Scopus y de 21 referido a los últimos 5 años. FWCI = 1,29. Estoy entre los 2200 científicos españoles más relevantes de todas las categorías de investigación según webometrics. He dirigido 17 Tesis Doctorales, 28 TFM y 43 TFG. Tengo 4 patentes de invención. He participado en 28 Proyectos de Investigación financiados en convocatorias públicas competitivas (IP en 4) y en +70 contratos de I+D con empresas (IP en +50%). He recibido 11 Premios de Investigación / Transferencia.



Francisco Artés Hernández

Surname(s): **Artés Hernández**
Name: **Francisco**
DNI:
ORCID: **0000-0002-0689-7301**
ScopusID: **55894452200**
ResearcherID: **F-4611-2016**
Date of birth:
Gender: **Male**
Nationality: **Spain**
Country of birth:
Aut. region/reg. of birth:
Contact province: **Region of Murcia**
City of birth: **Murcia**
Contact address: **E.T.S. Ingeniería Agronómica**
Rest of contact address: **Paseo Alfonso XIII, 48**
Postcode: **30203**
Contact country: **Spain**
Contact aut. region/reg.: **Region of Murcia**
Contact city: **Cartagena**
Land line phone:
Email: **fr.artes-hdez@upct.es**
Mobile phone:
Personal web page: **<https://personas.upct.es/perfil/fr.artes-hdez>**

Current professional situation

Employing entity: Universidad Politécnica de Cartagena
Department: Agronomical Engineering, E.T.S. Ingeniería Agronómica
Professional category: Full Professor in the Food Technology Area
City employing entity: Spain
Phone:
Start date: 06/12/2017

Type of contract: Civil servant

Dedication regime: Full time

Performed tasks: Docencia e Investigación en Optimización de la refrigeración y de sus técnicas complementarias para regular la maduración, conservación y preservación de la calidad y seguridad de frutas y hortalizas enteras y mínimamente procesadas ("Cuarta y Quinta Gama de la alimentación") mediante técnicas innovadoras poco agresivas.

Identify key words: Agro industry; Storage of food; Organic product; Vegetable juice

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Politécnica de Cartagena	Associate Professor in Food Technology. R-724/08.	15/09/2008

	Employing entity	Professional category	Start date
2	Universidad Politécnica de Cartagena	Assistant Professor in Food Technology	05/12/2003
3	Universidad Politécnica de Cartagena	Profesor Titular de Escuela Universitaria Interino en el Área de Tecnología de Alimentos, del Departamento de Ingeniería de Alimentos y del Equipamiento Agrícola	03/10/2002
4	Universidad Politécnica de Cartagena	Profesor Ayudante de Universidad en el Área de Tecnología de Alimentos del Departamento de Ingeniería de Alimentos y del Equipamiento Agrícola de la UPCT	03/10/2000
5	Centro de Edafología y Biología Aplicada del Segura	Contratado con cargo al Proyecto de Investigación FEDER 1FD-0760-C03-01 "Estudio de la maduración y de nuevas técnicas de conservación de uva de mesa"	01/07/1999
6	Centro de Edafología y Biología Aplicada del Segura	Colaborador del Departamento de Ciencia y Tecnología de Alimentos	01/09/1998
7	Centro de Edafología y Biología Aplicada del Segura	Colaborador en el Programa de Transferencia de Tecnología entre el CEBAS-CSIC y la Agrupación de Cooperativas del Valle del Jerte (Cáceres)	01/07/1996

- Employing entity:** Universidad Politécnica de Cartagena
Type of entity: University
Professional category: Associate Professor in Food Technology. R-724/08.
Start-End date: 15/09/2008 - 05/12/2017
- Employing entity:** Universidad Politécnica de Cartagena
Type of entity: University
Professional category: Assistant Professor in Food Technology
Start-End date: 05/12/2003 - 14/09/2008
- Employing entity:** Universidad Politécnica de Cartagena
Type of entity: University
Professional category: Profesor Titular de Escuela Universitaria Interino en el Área de Tecnología de Alimentos, del Departamento de Ingeniería de Alimentos y del Equipamiento Agrícola
Start-End date: 03/10/2002 - 04/12/2003
- Employing entity:** Universidad Politécnica de Cartagena
Type of entity: University
Professional category: Profesor Ayudante de Universidad en el Área de Tecnología de Alimentos del Departamento de Ingeniería de Alimentos y del Equipamiento Agrícola de la UPCT
Start-End date: 03/10/2000 - 02/10/2002
- Employing entity:** Centro de Edafología y Biología Aplicada del Segura
Type of entity: State agency
Professional category: Contratado con cargo al Proyecto de Investigación FEDER 1FD-0760-C03-01 "Estudio de la maduración y de nuevas técnicas de conservación de uva de mesa"
Start-End date: 01/07/1999 - 02/10/2000



- | | | |
|----------|---|---|
| 6 | Employing entity: Centro de Edafología y Biología Aplicada del Segura
Professional category: Colaborador del Departamento de Ciencia y Tecnología de Alimentos
Start-End date: 01/09/1998 - 30/06/1999 | Type of entity: State agency |
| 7 | Employing entity: Centro de Edafología y Biología Aplicada del Segura
Professional category: Colaborador en el Programa de Transferencia de Tecnología entre el CEBAS-CSIC y la Agrupación de Cooperativas del Valle del Jerte (Cáceres)
Start-End date: 01/07/1996 - 31/07/1996 | Type of entity: State agency
Duration: 1 month |

Summary of professional activity

Agricultural Engineer and Ph.D. in Food Technology. I am full Professor on Food Technology, Director of the International Doctorate School, and the Head of the 'Postharvest & Refrigeration' Research Group of the Universidad Politécnica de Cartagena (Spain). My research interest is focused on the optimization of sustainable postharvest technologies to preserve / enhance quality and safety of whole, fresh-cut and minimally processed fruit and vegetables, including by-products revalorization and abiotic stresses to enhance phytochemicals. I have participated in 29 European or National Research Programs, being principal researcher in 4 of them, and in +70 R&D Projects with companies, being principal researcher in half of them. I have published +130 manuscripts in JCR-SCI listed journals with +4500 citations and H index=40, +400 papers in conferences and other journals. I have directed 17 Doctoral Thesis and have 4 invention patents. I have participated in several Engineering Projects. I usually collaborate with international Groups, especially in R&D and teaching activities. Director of consolidated International Courses on Postharvest and Fresh-cut Technologies. Editorial board member of the JCR-listed Journals: 'Foods', 'Journal of the Science of Food and Agriculture', 'Frontiers' and 'Applied Science'. Awarded with 'Isaac Peral y Caballero' as best researcher of UPCT (2022), Covirán Foundation and Sakata Seeds SLU awards due to his R&D and Technology Transfer activity.



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1** **University degree:** Curso Universitario de Especialización
Name of qualification: Diplomado en Fresh cut products: maintaining quality & safety
City degree awarding entity: Davis CA, United States of America
Degree awarding entity: Universidad de California (UC Davis)
Date of qualification: 2005
- 2** **University degree:** Curso Universitario de Especialización
Name of qualification: Diplomado en Postharvest Technologies of Horticultural Crops
City degree awarding entity: Davis CA, United States of America
Degree awarding entity: Universidad de California (UC Davis)
Date of qualification: 2005
- 3** **University degree:** Titulación de Centros Tecnológicos
Name of qualification: Diplomado en Ingeniería y Aplicaciones del Frío en la conservación de vegetales
Degree awarding entity: Centro Tecnológico Nacional de la Conserva
Type of entity: Technological Centre
Date of qualification: 12/1998
- 4** **University degree:** Higher degree
Name of qualification: Agronomical Engineer
City degree awarding entity: Valencia, Valencian Community, Spain
Degree awarding entity: Universidad Politécnica de Valencia
Type of entity: University
Date of qualification: 07/1998

Doctorates

Doctorate programme: PhD in Agrifood Technology and Engineering
Degree awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City degree awarding entity: Cartagena, Region of Murcia, Spain
Date of degree: 13/12/2004
European doctorate: No
Thesis title: Innovaciones en la conservación frigorífica de uva de mesa apirena y convencional. Alternativas al empleo de SO₂
Thesis director: Francisco Artés Calero
Thesis co-director: Francisco Tomás Barberán
Obtained qualification: Cum laude
Special doctorate award: Yes

Date of award: 2007



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1

Teaching experience

General teaching experience

- Type of teaching:** Official teaching
Name of the course: Keys to publish scientific manuscripts
Type of programme: Doctorate **Type of teaching:** In person theory
Type of subject: Actividad transversal
University degree: Doctorado en Técnicas Avanzadas en Investigación Agraria y Alimentaria
Frequency of the activity: 4
Start date: 2015 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- Type of teaching:** Official teaching
Name of the course: Introducción a la tecnología de las IIAA
Type of programme: Master's degree **Type of teaching:** In person theory
University degree: Máster en Técnicas Avanzadas en Investigación Agraria y Alimentaria
Frequency of the activity: 5
Start date: 2014 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- Type of teaching:** Official teaching
Name of the course: Postharvest Technology Fruits & Vegetables
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Grado en Ingeniería Agroalimentaria y de Sistemas Biológicos
Frequency of the activity: 6
Start date: 2013 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain



- 4** **Type of teaching:** Official teaching
Name of the course: Tecnología de la Postrecolección
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Grado en Ingeniería Agroalimentaria y de Sistemas Biológicos
Frequency of the activity: 6
Start date: 2013 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- 5** **Type of teaching:** Official teaching
Name of the course: Tecnología de la Postrecolección
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Optional
University degree: Grado en Ingeniería Agroalimentaria y de Sistemas Biológicos
Frequency of the activity: 6
Start date: 2013 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- 6** **Type of teaching:** Official teaching
Name of the course: Refrigeración y Técnicas Coadyuvantes
Type of programme: Master's degree **Type of teaching:** In person theory
University degree: Máster en Técnicas Avanzadas en Investigación Agraria y Alimentaria
Frequency of the activity: 10
Start date: 2009 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- 7** **Type of teaching:** Official teaching
Name of the course: Operaciones de la Ingeniería de Alimentos
Type of programme: Engineering **Type of teaching:** Practical work (classroom-problems)
Type of subject: Obligatory
University degree: Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias
Frequency of the activity: 19
Start date: 2000 **End date:** 2019
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain

**8 Type of teaching:** Official teaching**Name of the course:** Tecnología e ingeniería del procesado mínimo**Type of programme:** Master's degree**Type of teaching:** In person theory**University degree:** Máster en Técnicas Avanzadas en Investigación Agraria y Alimentaria**Frequency of the activity:** 11**Start date:** 2007**End date:** 2018**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**9 Type of teaching:** Official teaching**Name of the course:** Diseño de Instalaciones Frigoríficas de las IIAA**Type of programme:** Engineering**Type of teaching:** Laboratory work**University degree:** Grado en Ingeniería Agroalimentaria y de Sistemas Biológicos**Frequency of the activity:** 3**Start date:** 2013**End date:** 2016**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**10 Type of teaching:** Official teaching**Name of the course:** Technology & engineering minimally processed**Type of programme:** Master's degree**Type of teaching:** In person theory**University degree:** Máster en Técnicas Avanzadas en Investigación Agraria y Alimentaria**Frequency of the activity:** 2**Start date:** 2012**End date:** 2014**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**Subject language:** English**11 Type of teaching:** Official teaching**Name of the course:** Transporte Frigorífico Marítimo**Type of programme:** Engineering**Type of teaching:** In person theory**Type of subject:** Optional**University degree:** Ingeniero Naval**Frequency of the activity:** 11**Start date:** 2003**End date:** 2014**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Naval y Oceánica**City of entity:** Cartagena, Region of Murcia, Spain



- 12** **Type of teaching:** Official teaching
Name of the course: Ingeniería de la Frigoconservación
Type of programme: Engineering **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Ingeniero Agrónomo
Frequency of the activity: 13
Start date: 2000 **End date:** 2013
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- 13** **Type of teaching:** Official teaching
Name of the course: Postharvest Technology of fruit and vegetables
Type of programme: Engineering **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias
Frequency of the activity: 5
Start date: 2007 **End date:** 2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 2,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
Subject language: English
- 14** **Type of teaching:** Official teaching
Name of the course: Tecnología de la Postrecolección
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias
Frequency of the activity: 12
Start date: 2000 **End date:** 2012
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain
- 15** **Type of teaching:** Official teaching
Name of the course: Introducción a la Ingeniería de Procesos
Type of programme: Engineering **Type of teaching:** In person theory
University degree: Ingeniero Agrónomo
Frequency of the activity: 8
Start date: 2003 **End date:** 2011
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 4,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain

**16 Type of teaching:** Official teaching**Name of the course:** Instalaciones Frigoríficas en las Industrias Alimentarias**Type of programme:** Engineering**Type of teaching:** Practical work (classroom-problems)**Type of subject:** Optional**University degree:** Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias**Frequency of the activity:** 11**Start date:** 2000**End date:** 2011**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**17 Type of teaching:** Official teaching**Name of the course:** Tecnología de la Congelación de Alimentos**Type of programme:** Engineering**Type of teaching:** In person theory**Type of subject:** Optional**University degree:** Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias**Frequency of the activity:** 10**Start date:** 2000**End date:** 2010**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 4,5**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**18 Type of teaching:** Official teaching**Name of the course:** Refrigeración y coadyuvantes postrecolección**Type of programme:** Doctorate**Type of teaching:** In person theory**Type of subject:** Doctorate**University degree:** Doctorado en Técnicas Avanzadas en Investigación Agraria y Alimentaria**Frequency of the activity:** 3**Start date:** 2006**End date:** 2009**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 1**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Agronómica**City of entity:** Cartagena, Region of Murcia, Spain**19 Type of teaching:** Official teaching**Name of the course:** Transporte Frigorífico Marítimo**Type of programme:** Engineering**Type of teaching:** In person theory**Type of subject:** Optional**University degree:** Ingeniero Industrial**Frequency of the activity:** 4**Start date:** 2005**End date:** 2009**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Faculty, institute or centre:** Escuela Técnica Superior de Ingeniería Industrial



City of entity: Cartagena, Region of Murcia, Spain

20 **Type of teaching:** Official teaching
Name of the course: Tecnología de las Industrias Extractivas
Type of programme: Engineering **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias
Frequency of the activity: 1
Start date: 2001 **End date:** 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 3
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain

21 **Type of teaching:** Official teaching
Name of the course: Aditivos y Auxiliares de Fabricación
Type of programme: Engineering **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Ingeniero Técnico Agrícola, especialidad en Industrias Agrarias y Alimentarias
Frequency of the activity: 1
Start date: 2000 **End date:** 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain

22 **Type of teaching:** Official teaching
Name of the course: Introducción a la Ingeniería de Procesos Alimentarios
Type of programme: Engineering **Type of teaching:** Laboratory work
University degree: Ingeniero Agrónomo
Frequency of the activity: 1
Start date: 2000 **End date:** 2001
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 1,5
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Agronómica
City of entity: Cartagena, Region of Murcia, Spain

Experience supervising doctoral thesis and/or final year projects

1 **Project title:** THESIS: Revalorization of broccoli by-products: extraction of bioactive compounds with green technologies and development of novel veggie beverages
Co-director of thesis: F. Artés-Hernández; Lorena Martínez Zamora; Marina Cano Lamadrid
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: Seyedehzeinab Hashemi
Obtained qualification: Sobresaliente
Date of reading: 19/07/2024
European doctorate: No



Quality recognition: No

- 2** **Project title:** THESIS: Estudio poblacional en vid (Alicante Bouschet cv. x Itumfifteen cv.): caracterización en campo, calidad fisicoquímica y compuestos bioactivos
Co-director of thesis: Manuel Tornel; F. Artés-Hernández; Lorena Martínez Zamora
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: Pablo Crespo Ródenas
Obtained qualification: Sobresaliente
Date of reading: 24/06/2024
European doctorate: No
Quality recognition: No
- 3** **Project title:** THESIS: Development of vegetable-based smoothies using emerging minimal processing technologies. Quality and safety improvement
Co-director of thesis: F. Artés-Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: Noelia Castillejo Montoya
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 31/03/2022
European doctorate: Yes **Date of recognition:** 31/03/2022
Quality recognition: Yes
- 4** **Project title:** THESIS: Innovative development and validation of nanomaterials as ethylene adsorbers to extend the shelf-life of horticultural commodities
Co-director of thesis: F. Artés-Hernández; Ginés Benito Martínez Hernández; Felipe Ávalos Belmontes
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: Marianela Hazel Alvarez Hernández
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 07/09/2021
European doctorate: Yes **Date of recognition:** 07/09/2021
Quality recognition: Yes **Date of award:** 22/11/2021
- 5** **Project title:** THESIS: Innovative development and processing of vegetables-based formulations: purees, juices, sauces and hummus
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés-Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Tammila Venze Klug
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 22/10/2018
Quality recognition: Yes **Date of award:** 17/12/2020
- 6** **Project title:** THESIS: Monitorización de las variables ambientales durante el transporte de productos perecederos para estimar en tiempo real las pérdidas de calidad
Co-director of thesis: R. Torres-Sánchez; F. Artés-Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: María Teresa Martínez Zafra
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 16/07/2020



- 7** **Project title:** THESIS: Desarrollo de alimentos innovadores y de alto valor nutricional a partir de especies de leguminosas
Co-director of thesis: Gómez Di Marco, P.A.; Artés-Hernández, F.
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
Student: Elena Collado Marín
Obtained qualification: Sobresaliente cum laude
Date of reading: 07/07/2020
- 8** **Project title:** Desarrollo de un innovador puré de Caupí mediante técnicas emergentes de procesado mínimo de alta presión y microondas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Perla A. Gómez
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Paula Rubí Pérez Crespo
Obtained qualification: Sobresaliente (9,5)
Date of reading: 18/10/2018
- 9** **Project title:** Estudio de calidad y seguridad alimentaria durante la vida útil de esferas de kale con extractos de stevia formadas mediante esferificación inversa optimizada
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Ginés Benito Martínez Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Simona Hassa
Obtained qualification: Sobresaliente (9,5)
Date of reading: 18/10/2018
- 10** **Project title:** Revalorización de subproductos de brócoli. Microencapsulación y empleo para para aumentar la saludabilidad de zumo de zanahoria
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández; Ginés B. Martínez Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: M^a del Mar Carrión Monteagudo
Obtained qualification: Sobresaliente (9)
Date of reading: 18/10/2018
- 11** **Project title:** Revalorización de subproductos de tomate. Microencapsulación y empleo para para aumentar la saludabilidad de zumo de brócoli
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández; Ginés B. Martínez Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Jorge Alcantud Senent
Obtained qualification: Sobresaliente (9,5)
Date of reading: 18/10/2018
- 12** **Project title:** Caracterización de nanopartículas de TiO₂ y microcápsulas de licopeno obtenidas tras revaloración de subproductos de tomate
Type of project: End of course project



Co-director of thesis: Francisco Artés Hernández; Ginés B. Martínez Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: José Miguel Rojo García

Obtained qualification: Sobresaliente (9)

Date of reading: 26/09/2018

- 13** **Project title:** Efecto de la fertirrigación con sulfato cálcico sobre la calidad en la cosecha y vida comercial en mandarinas orri

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Noelia Castillejo Montoya

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: María Dolores Ángel Solano

Obtained qualification: Matrícula de honor (10)

Date of reading: 26/09/2018

- 14** **Project title:** THESIS: Preservación de la seguridad alimentaria y calidad en smoothies morados mediante tratamientos térmicos suaves y altas presiones hidrostáticas

Type of project: Doctoral thesis

Co-director of thesis: Pablo S. Fernández Escámez; Francisco Artés Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Gerardo González Tejedor

Obtained qualification: Sobresaliente

Date of reading: 23/11/2017

- 15** **Project title:** Influencia de la fertilización con sulfato cálcico en la calidad de limón fino y uva de mesa

Type of project: Trabajo Fin de Máster

Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: José Ginés Abril López

Obtained qualification: Matrícula de Honor (10)

Date of reading: 31/07/2017

- 16** **Project title:** Desarrollo innovador de un humus a base de brócoli de elevada saludabilidad durante su vida comercial

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Ginés B. Martínez Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Christian G. Guaita Carrasco

Obtained qualification: Sobresaliente (9)

Date of reading: 27/07/2017

- 17** **Project title:** Evolución de la calidad postcosecha de limón fino y nectarina 'Atinea' tras su fertirrigación alternativa con sulfato cálcico micronizado

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University



City of entity: Cartagena, Region of Murcia, Spain

Student: Alejandro Vidal García

Obtained qualification: Sobresaliente (10)

Date of reading: 26/07/2017

- 18** **Project title:** THESIS: Elaboración industrial de haba mínimamente procesada en fresco y optimización de su calidad y vida comercial

Type of project: Doctoral thesis

Co-director of thesis: Francisco Artés-Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Mariano Otón Alcaraz

Obtained qualification: Apto cum laude

Date of reading: 29/06/2017

- 19** **Project title:** Incremento de la saludabilidad de un zumo de brócoli procesado por microondas mediante encapsulación con ciclodextrinas

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; José Manuel López Nicolás

Entity: Universidad de Murcia

Type of entity: University

City of entity: Murcia, Region of Murcia, Spain

Student: M^a del Mar Carrión Monteagudo

Obtained qualification: Sobresaliente (9)

Date of reading: 22/06/2017

- 20** **Project title:** THESIS: Effect of abiotic stresses on bioactive contents of vegetables and high-pressure technology in related functional beverages

Type of project: Doctoral thesis

Co-director of thesis: Francisco Artés-Hernández; Ginés Benito Martínez Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Anna Carolina Formica de Oliveira

Obtained qualification: Sobresaliente Cum Laude

Date of reading: 20/03/2017

European doctorate: Yes

- 21** **Project title:** Diseño y cálculo de una central hortofrutícola destinada a la manipulación y conservación de 24.000 toneladas de melocotón y nectarina en el T.M. de Molina de Segura (Murcia)

Type of project: End of course project

Co-director of thesis: José Miguel Molina Martínez; Artés Hernández, Francisco

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Pablo Madrona Sánchez

Obtained qualification: Sobresaliente (9,5)

Date of reading: 14/02/2017

- 22** **Project title:** Influencia de la fertilización con sulfato cálcico en la calidad de nectarinas durante su vida comercial

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain



Student: Rubén Pérez Álvarez

Obtained qualification: Sobresaliente (9)

Date of reading: 13/10/2016

- 23** **Project title:** Cambios en la calidad nutricional del haba mínimamente procesada en fresco y tras su cocción con microondas

Type of project: Trabajo Fin de Máster

Co-director of thesis: Francisco Artés Hernández; Perla Gómez Di Marco

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Daniela Pagliuca

Obtained qualification: Sobresaliente (9,5)

Date of reading: 06/06/2016

- 24** **Project title:** Evolución de la calidad y la seguridad alimentaria de un smoothie morado durante su almacenamiento

Type of project: Trabajo Fin de Máster

Co-director of thesis: Francisco Artés Hernández; Pablo S. Fernández Escámez

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Eliana Esposito

Obtained qualification: Sobresaliente (9,5)

Date of reading: 06/06/2016

- 25** **Project title:** Improving healthiness of fresh vegetables smoothies during shelf-life

Type of project: Trabajo Fin de Máster

Co-director of thesis: Francisco Artés Hernández; A. Bellincontro; Noelia Castillejo Montoya

Entity: Universidad degli Studi di Viterbo

Type of entity: University

City of entity: Viterbo, Italy

Student: Valentina Goffi

Obtained qualification: Matrícula de Honor (110)

Date of reading: 20/05/2016

- 26** **Project title:** TESIS: Optimización del procesado mínimo y biodisponibilidad de compuestos bioactivos de brócoli Bimi y convencional

Type of project: Doctoral thesis

Co-director of thesis: Francisco Artés Calero; Francisco Artés-Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Javier Navarro Rico

Obtained qualification: Sobresaliente Cum Laude

Date of reading: 04/11/2015

- 27** **Project title:** Caracterización y establecimiento de la seguridad microbiológica de un smoothie morado natural a base de hortalizas frescas

Type of project: Trabajo Fin de Máster

Co-director of thesis: Pablo S. Fernández Escámez; Francisco Artés Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Gerardo González Tejedor

Obtained qualification: Sobresaliente (9)



Date of reading: 25/09/2015

- 28** **Project title:** Evolución de la calidad de un smoothie verde a base de hortalizas frescas durante su vida comercial
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Noelia Castillejo Montoya
Obtained qualification: Sobresaliente (9,5)
Date of reading: 24/07/2015
- 29** **Project title:** Influencia de factores precosecha en la calidad postcosecha del limón del valle del Guadalentín para exportación
Type of project: Trabajo Fin de Máster
Co-director of thesis: Perla A. Gómez Di Marco; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Felinna Yanorka Serrano Hernández
Obtained qualification: Sobresaliente (8,5)
Date of reading: 24/07/2015
- 30** **Project title:** Evolución de la calidad de nuevos batidos de hortalizas frescas mínimamente procesados
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Noelia Castillejo Montoya
Obtained qualification: Matrícula de Honor (10)
Date of reading: 07/10/2014
- 31** **Project title:** Influencia del riego deficitario en la calidad postcosecha de granada entera conservada en aire o atmósfera controlada
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Silvia Albaladejo Fuentes
Obtained qualification: Sobresaliente (10)
Date of reading: 02/10/2014
- 32** **Project title:** Conservación de uva "Crimson Seedless" bajo atmósfera modificada y dióxido de azufre tras su cultivo en diferentes tipos de irrigación
Type of project: End of course project
Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: M^a Cristina Mantilla Méndez
Obtained qualification: Notable (7)
Date of reading: 10/09/2014



- 33** **Project title:** TESIS: Estréses físicos combinados pre y postcosecha para preservar la calidad en granada entera y mínimamente procesada
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Hernández; Perla Gómez di Marco
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: María Elisa Peña Estévez
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 21/11/2013
- 34** **Project title:** Evolución de la calidad de uva de mesa cultivada en riego deficitario y conservada en atmósfera controlada
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Esperanza Truque Rodríguez
Obtained qualification: Sobresaliente (9,5)
Date of reading: 25/09/2013
- 35** **Project title:** Influencia del riego deficitario en la calidad postcosecha de nectarina entera y mínimamente procesada y conservada bajo estréses abióticos
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Encarna Aguayo Giménez
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Raquel Sánchez Sánchez
Obtained qualification: Sobresaliente (9,5)
Date of reading: 30/07/2013
- 36** **Project title:** Evolución de la calidad de uva de mesa bajo estréses físicos combinados: cultivo en riego deficitario y conservación en atmósfera controlada
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Diego José Águila Pérez
Obtained qualification: Sobresaliente (10)
Date of reading: 29/04/2013
- 37** **Project title:** Influencia de estréses físicos combinados sobre la calidad de arilos de granada mínimamente procesados. Cultivo en riego deficitario y radiación UV-C en postcosecha
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Noelia Castillejo Montoya
Obtained qualification: Sobresaliente (10)
Date of reading: 18/12/2012



- 38** **Project title:** THESIS: Innovative minimal processing of mini broccoli for keeping quality and safety and enhancing bioactive compounds
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Ginés Benito Martínez Hernández
Obtained qualification: Apto cum laude. Premio Extraordinario de Doctorado otorgado por la UPCT en la convocatoria del Curso Académico 2013/20214
Date of reading: 12/12/2012
European doctorate: Yes
Quality recognition: Yes
- 39** **Project title:** Effects of alternative sanitizing techniques on nutritional quality of fresh-cut Bimi® broccoli during shelf life
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad de Oporto **Type of entity:** University
City of entity: Oporto, Norte, Portugal
Student: Anna Carolina Formica de Oliveira
Obtained qualification: Matrícula de Honor (10)
Date of reading: 20/11/2012
- 40** **Project title:** Influencia del agua electrolizada para preservar la calidad de brocoli partenón y bimi® mínimamente procesados en fresco
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: M^a José Sánchez Martínez
Obtained qualification: Sobresaliente (10)
Date of reading: 04/10/2012
- 41** **Project title:** Evolución de la calidad de pimiento tipo California sometido a condiciones de desverdización
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Esperanza Truque Rodríguez
Obtained qualification: Sobresaliente (10)
Date of reading: 19/09/2012
- 42** **Project title:** Efecto de la radiación UV-C en el crecimiento microbiano de patógenos inoculados en brocoli Bimi®
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández; Alfredo Palop Gómez
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Juan Pablo Ramírez Cárdenas
Obtained qualification: Sobresaliente (9)
Date of reading: 27/07/2012



- 43** **Project title:** TESIS: Innovaciones tecnológicas para la elaboración de brotes de hortalizas foliáceas mínimamente procesadas en fresco
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Calero; Francisco Artés-Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Stephanie Rodríguez Hidalgo
Obtained qualification: Sobresaliente
Date of reading: 01/12/2011
- 44** **Project title:** TESIS: Tratamientos postcosecha innovadores de desinfección y mantenimiento de la calidad en brotes de hortalizas foliáceas mínimamente procesadas y tomate
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Hernández; Trevor V. Suslow; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Alejandro Tomás Callejas
Obtained qualification: Sobresaliente cum laude. Premio Extraordinario de Doctorado otorgado por la UPCT en la convocatoria del Curso Académico 2012/20213.
Date of reading: 30/06/2011
- 45** **Project title:** TESIS: Determinación de compuestos de interés biológico en vegetales mínimamente procesados en fresco
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Pedro Antonio Robles Sánchez
Obtained qualification: Sobresaliente cum laude
Date of reading: 21/12/2010
- 46** **Project title:** Efecto de la radiación uv-c y envasado en atmósferas sobreoxigenadas en brotes de tatsoi mínimamente procesados en fresco
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Alejandro Tomás Callejas
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Francisco Javier Asensi de San Mateo
Obtained qualification: Notable (7)
Date of reading: 15/12/2010
- 47** **Project title:** Efecto combinado de la temperatura y la modificación de la atmósfera para preservar la calidad de brócoli mínimamente procesado en fresco
Type of project: Trabajo Fin de Máster
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Ginés Benito Martínez Hernández
Obtained qualification: Matrícula de Honor (10)
Date of reading: 12/11/2009



- 48** **Project title:** Evolución de azúcares por NIR y de polifenoles totales en la deshidratación de uva cv “Aleático” para la elaboración de vino dulce
Type of project: End of course project
Co-director of thesis: Fabio Mencarelli; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: M^a Dolores García Salinas
Obtained qualification: Sobresaliente (10)
Date of reading: 26/05/2009
- 49** **Project title:** Alternativas de desinfección de nuevos brotes de hortalizas foliáceas mediante UV-C y atmósferas controladas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Claudio Puche Millán
Obtained qualification: Sobresaliente (9,5)
Date of reading: 18/12/2008
- 50** **Project title:** Efecto de la modificación activa de la atmósfera mediante gases no convencionales en nuevos brotes de hortalizas foliáceas mínimamente procesados
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: María Boluda Aguilar
Obtained qualification: Sobresaliente (10)
Date of reading: 18/12/2008
- 51** **Project title:** TESIS: Tratamientos alternativos durante la frigoconservación de pimiento entero y mínimamente procesado en fresco
Type of project: Doctoral thesis
Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Andrés Conesa Bueno
Obtained qualification: Sobresaliente cum laude
Date of reading: 17/12/2008
- 52** **Project title:** Conservación bajo atmósferas controladas no convencionales de gases nobles en nuevos brotes de hortalizas foliáceas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Pedro A. Robles Sánchez
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Virginia Balanza Martínez
Obtained qualification: Sobresaliente (9,5)
Date of reading: 13/11/2008



- 53** **Project title:** Efectividad de diversos agentes desinfectantes de lavado alternativos al hipoclorito en brotes de hortalizas foliáceas mínimamente procesadas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: José Javier López Rueda
Obtained qualification: Sobresaliente (10)
Date of reading: 16/06/2008
- 54** **Project title:** Efecto de la radiación UV-C, alto oxígeno y su combinación para preservar la calidad y seguridad en nuevos brotes de hortalizas foliáceas mínimamente procesados en fresco
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Nekane Bariain Carrasco
Obtained qualification: Sobresaliente (10)
Date of reading: 16/06/2008
- 55** **Project title:** Empleo de radiación UV-C como alternativa al cloro en la desinfección de hortalizas foliáceas mínimamente procesadas cultivadas convencionalmente o en bandejas flotantes
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Esperanza Truque Rodríguez
Obtained qualification: Sobresaliente (10)
Date of reading: 04/04/2008
- 56** **Project title:** Influencia de las características físicas de la baya y aplicaciones de técnicas no destructivas en el secado de la uva
Type of project: End of course project
Co-director of thesis: Fabio Mencarelli; Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Alejandro Tomás Callejas
Obtained qualification: Matrícula de Honor (10)
Date of reading: 26/04/2007
- 57** **Project title:** Conservación frigorífica de *Apium graveolens* L. en atmósferas controladas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Perla A. Gómez Di Marco
Obtained qualification: Sobresaliente (10)
Date of reading: 01/03/2007



- 58** **Project title:** Diseño de una Industria de Congelación de Hortalizas en el TM de Cartagena con una producción máxima de 264 T/día
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Antonio David Martínez Díaz
Obtained qualification: Sobresaliente (10)
Date of reading: 17/07/2006
- 59** **Project title:** Diseño de una Industria de procesado en fresco de frutas y hortalizas
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Pedro Antonio Robles
Obtained qualification: Notable (8)
Date of reading: 21/12/2005
- 60** **Project title:** Industria de congelación de guisantes, patatas, zanahorias y brócoli en el Polígono Industrial Cabezo Beaza (Cartagena)
Type of project: End of course project
Co-director of thesis: José Miguel Molina Martínez; Artés-Hernández, Francisco
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Sergio Miravet Valero
Obtained qualification: Sobresaliente (9,5)
Date of reading: 27/10/2005
- 61** **Project title:** Desverdización de pimiento "Requena" en dos estados de madurez
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Marina Méndez Peñalver
Obtained qualification: Sobresaliente (9)
Date of reading: 25/04/2005
- 62** **Project title:** Diseño de una Industria de vegetales congelados con una producción de 53,28 T/día localizada en el Polígono Industrial Cabezo Beaza (Cartagena)
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: Javier González Martín
Obtained qualification: Sobresaliente (9,5)
Date of reading: 26/07/2004
- 63** **Project title:** Optimización de la conservación de pimiento producido en cultivo convencional, ecológico e integrado
Type of project: End of course project



Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Juan Antonio López Martínez

Obtained qualification: Sobresaliente (9)

Date of reading: 27/01/2004

64 Project title: Diseño de una Industria de congelación de hortalizas con una producción de 320 T/d , localizada en el T.M. de Santomera (Murcia)

Type of project: End of course project

Co-director of thesis: Juan Carlos Fernández Zapata; Francisco Artés Hernández

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

City of entity: Orihuela, Valencian Community, Spain

Student: Raquel Lorente Bernal

Obtained qualification: Sobresaliente (9,5)

Date of reading: 18/12/2003

65 Project title: Diseño de una industria de hortalizas procesadas en fresco con una producción de 53,6 T/d, localizada en el T.M. de Abanilla (Murcia)

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: Violeta López Rubira

Obtained qualification: Sobresaliente (10)

Date of reading: 28/02/2003

66 Project title: Efecto de la atmósfera modificada en los atributos de calidad de pimiento "Requena" durante su conservación y comercialización

Type of project: End of course project

Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Student: María Belén Hita García

Obtained qualification: Sobresaliente (9)

Date of reading: 20/01/2003

67 Project title: Industria de vegetales procesados en fresco en el Campo de Cartagena

Type of project: End of course project

Co-director of thesis: Juan Carlos Fernández Zapata; Francisco Artés Hernández

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

City of entity: Orihuela, Valencian Community, Spain

Student: Javier Martínez-Castroverde Pérez

Obtained qualification: Matrícula de Honor (10)

Date of reading: 12/11/2002

68 Project title: Aplicación industrial de atmósferas modificadas en la conservación de apio

Type of project: End of course project

Co-director of thesis: Francisco Artés Calero; Francisco Artés Hernández

Entity: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain



Student: Fulgencio Ortega Hernández
Obtained qualification: Sobresaliente (9,5)
Date of reading: 30/07/2002

- 69** **Project title:** Tratamientos físicos para mejorar la conservación de la uva de mesa
Type of project: End of course project
Co-director of thesis: Francisco Artés Hernández; Francisco Artés Calero
Entity: Universidad Politécnica de Cartagena **Type of entity:** University
City of entity: Cartagena, Region of Murcia, Spain
Student: María Pagán Rosauero
Obtained qualification: Matrícula de Honor (10)
Date of reading: 18/06/2001

Participation in innovative teaching projects

- 1** **Project title:** Proyecto de Innovación Docente de la UPCT para la preparación del material docente e impartición de docencia en inglés en la titulación de Ingeniero Técnico Agrícola y en el Grado de Ingeniería Agroalimentaria y de los Sistemas Biológicos con la asignatura "Postharvest Technology of fruit and vegetables"
City of entity: Cartagena, Region of Murcia, Spain
Type of participation: Team member
Contribution to the project: Participante como profesor
Funding entity: Comunidad Autónoma de la región de Murcia CARM
Geographical area: Regional
Start-End date: 2007 - 2019
- 2** **Project title:** Proyecto de Innovación Docente del Campus de Excelencia Internacional Mare Nostrum para la preparación del material docente e impartición de docencia en inglés en el programa "Técnicas avanzadas de investigación y desarrollo agrario y alimentario"
City of entity: Cartagena, Region of Murcia, Spain
Type of participation: Co-ordinator
Contribution to the project: Coordinador y participante como profesor
Funding entity: Comunidad Autónoma de la región de Murcia CARM
Geographical area: Regional
Start-End date: 2011 - 2014
- 3** **Project title:** Proyecto de innovación educativa de la titulación de Ingeniero Agrónomo, Ingeniero Técnico Agrícola especialidad Industrias Agrarias, Ingeniero Técnico Agrícola especialidad Hortofruticultura y jardinería
City of entity: Cartagena, Region of Murcia, Spain
Type of participation: Team member
Contribution to the project: Participación como responsable de la asignatura "Tecnología de la Postrecolección"
Name of the main researcher: Sergio Amat Plata
Number of participants: 12
Amount awarded: 1.371 €
Funding entity: Comunidad Autónoma de la región de Murcia CARM
Geographical area: Regional
Start-End date: 01/10/2005 - 30/09/2006

Participation in conferences with talks focused on teacher training

- 1** **Name of the event:** II Congreso Internacional de Innovación Docente CMN. Participación en Mesa Redonda: La enseñanza bilingüe
Type of event: Conference
Date of presentation: 20/02/2014
Organising entity: Campus Mare Nostrum
- 2** **Name of the event:** Seminario online: Tecnología en la enseñanza
Type of event: Seminar
Date of presentation: 16/02/2011
Organising entity: EF Education

Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Unidad de Calidad Alimentaria y Salud del Instituto de Biotecnología Vegetal
Aims of the group: Unidad de Investigación
Affiliation entity: Universidad Politécnica de Cartagena **Type of entity:** University
Start date: 01/10/2003
- 2** **Name of the group:** Grupo de Postrecolección y Refrigeración (Investigador Responsable desde 2016) - GPR-
Aims of the group: Grupo de Investigación
Standardised code: D-08 UPCT
Affiliation entity: Universidad Politécnica de Cartagena **Type of entity:** University
Start date: 01/10/2000

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** AGROALNEXT - PLAN COMPLEMENTARIO DE I+D EN EL ÁREA DE AGROALIMENTACIÓN. Plan de Recuperación, Transformación y Resiliencia
Entity where project took place: Varias
City of entity: Cartagena, Region of Murcia, Spain
Nº of researchers: 40
Start-End date: 22/04/2022 - 30/09/2025
Total amount: 2.000.000 €
- 2** **Name of the project:** REVALFOOD - SUSTAINABLE REVALORIZATION OF FRUIT AND VEGETABLES BY-PRODUCTS WITH GREEN TECHNOLOGIES TO SUPPLEMENT WITH EXTRACTED KEY BIOCOMPOUNDS NEW HORTICULTURAL-BASED PRODUCTS
Entity where project took place: Universidad Politécnica de Cartagena **Type of entity:** University



Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 7

Funding entity or bodies:

Ministerio de Ciencia e Innovación- - «Proyectos de Generación de Conocimiento». MCIN/AEI/FEDER.. Ref PID2021-123857OB-I00

Start-End date: 01/09/2022 - 31/08/2025

Total amount: 181.500 €

- 3 Name of the project:** Karp0-LIFE - Value chain optimization of the fruit and vegetables sector from a holistic perspective: environmental life cycle analysis, social and economic.

Type of project: Research and development, including transfer

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Aguayo E; Artés-Hernández F; Molina García A; Hontoria E; Conesa E

Nº of researchers: 5

Type of participation: Team member

Code according to the funding entity: RTI2018-099139-B-C21.

Start-End date: 01/09/2019 - 31/08/2022

Duration: 3 years

Total amount: 183.000 €

Dedication regime: Full time

- 4 Name of the project:** FRESHGERM- Innovative growing and fresh-cut processing techniques to increase healthiness of sprouts with sustainable techniques.

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Artés-Hernández, F; Gómez, PA; Castillejo-Montoya, N; Pedreño, JL

Nº of researchers: 4

Funding entity or bodies:

FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA

City funding entity: Spain

Type of participation: Principal investigator

Code according to the funding entity: 20849/PI/18

Start-End date: 01/04/2019 - 31/12/2021

Duration: 3 years

Total amount: 58.085 €

Dedication regime: Full time

- 5 Name of the project:** Avances en sensorización y análisis multivariable aplicados a refrigeración industrial agroalimentaria: técnicas de data-mining para identificación de nuevas correlaciones y mejora de la eficiencia energética (AGRO-FREESING)

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Researcher

Type of entity: University

Entity where project took place: Universidad
Politécnica de Cartagena

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Ángel Molina García

Nº of researchers: 3

Nº people/year: 3

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA REGION DE MURCIA

City funding entity: Spain

Type of participation: Team member

Name of the programme: RIS3Mur

Start-End date: 01/01/2017 - 31/12/2019

Duration: 3 years

Participating entity/entities: Asociación Empresarial De Investigación Centro Tecnológico De La Construcción Región De Murcia; REGENERA LEVANTE, S.L.; Universidad Politécnica de Cartagena

Total amount: 186.968,95 €

Sub-project amount: 34.000 €

Dedication regime: Full time

- 6** **Name of the project:** Acciones de dinamización de la comunicación de resultados científicos-técnicos o de la innovación en congresos internacionales de alto nivel

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad
Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 7

Nº people/year: 7

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Organismo público

Type of participation: Principal investigator

Name of the programme: Subprograma estatal de I+D+I orientada a los retos de la sociedad

Code according to the funding entity: AGL2015-62991-CIN

Start-End date: 01/04/2016 - 31/12/2016

Duration: 8 months - 30 days

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 12.000 €

- 7** **Name of the project:** EUROLEGUME- Enhancing of legumes growing in Europe through sustainable cropping for protein supply for food and feed

Type of project: Research and development,
including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Varios centros de diversos países

Name principal investigator (PI, Co-PI....): Eduardo Rosa

Nº of researchers: 45

Nº people/year: 45

Funding entity or bodies:

Comisión Europea

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: 7th Framework Programme

Code according to the funding entity: FP7-BBBE.2013.1.2-02

Start-End date: 01/01/2014 - 31/12/2016

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Agricultural University of Athens.; Friopesca; Institutet För Jordbruks- Och Miljöteknik; Instituto Nacional De Investigaçao Agraria e Veterinaria; Jõgeva Plant Breeding Institute; Kpra Sociedad Cooperativa; Latvijas Lauksaimniecības Universitāte; Norwegian Institute For Agricultural & Environmental; Pures Darzkopības Petījumu Centrs; Qendra E Transferimit Te Teknologjive Bujqesore; Research – Bioforsk; State Priekuli Plant Breeding Institute; Symbiom S.R.O.; Universidad Politécnica de Cartagena; Universidade De Tras-Os-Montes e Alto Douro; Universitaet Fuer Bodenkultur Wien; Universitet For Miljo Og Biovitenskap; Universiteti Bujqesor I Tiranes

Total amount: 45.719.442,38 €

- 8** **Name of the project:** Innovative minimal processing of natural refrigerated fresh vegetables smoothies improving its healthiness during shelf life

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 7

Nª people/year: 7

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Organismo público

Type of participation: Principal investigator

Name of the programme: Desarrollo e Innovación Orientada a los Retos de la Sociedad

Code according to the funding entity: AGL2013-48830-C2-1-R

Start-End date: 01/01/2014 - 31/12/2016

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 169.400 €

- 9** **Name of the project:** PETECA - Determinación de factores responsables de la peteca del limón y desarrollo de técnicas sostenibles para su control

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 4

Nª people/year: 4

Funding entity or bodies:

Centro para el Desarrollo Tecnológico Industrial

Type of entity: Business

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Start-End date: 01/10/2014 - 30/09/2016

Duration: 1 year - 11 months - 29 days

Participating entity/entities: FRUGARVA, S.A.; PRODUCTOS CITROSOL, S.A.; Universidad Politécnica de Cartagena

Total amount: 240.000 €

- 10** **Name of the project:** Strengthening innovation strategy and improving the technology transfer in water technology sector

Entity where project took place: Varios centros de diversos países

Name principal investigator (PI, Co-PI....): Antonio Skarmeta Gómez

Funding entity or bodies:



Education, audiovisual and culture executive agency of the European Union **Type of entity:** European Union Agency

Name of the programme: Tempus Project (NORIA)

Start-End date: 15/10/2012 - 14/10/2015

Duration: 2 years - 11 months - 30 days

Participating entity/entities: Agence du Bassin Hydraulique du Sebou; Chambre de Commerce d'Industrie et de Services de Tetouan; Hassan II Institute of Agronomy and Veterinary Medicine; Universidad de Alicante; Universidad de Murcia; University of Patras; University of Salento; Université Abdelmalek Essaâdi; Université Cadi Ayyad; Université Hassan II Mohammedia; Université Mohamed Premier Oujda; Université Moulay Ismail; Université Sidi Mohammed Ben Abdellah

Total amount: 870.448,21 €

11 Name of the project: Producción artesanal de hortalizas de IV Y V Gama: Inocuidad y valor funcional

Type of project: Research and development, including transfer

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Varios centros de diversos países

Name principal investigator (PI, Co-PI....): Víctor Hugo Escalona

Nº of researchers: 27

Nª people/year: 27

Funding entity or bodies:

Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo

Code according to the funding entity: 113RT0480

Start-End date: 01/01/2013 - 31/12/2014

Duration: 1 year - 11 months - 30 days

Participating entity/entities: Centro de Investigación en Alimentación y Desarrollo (México); Empresa Brasileña de Investigación Agropecuaria (EMBRAPA) (Brasil); INSTITUTO DE CIENCIA Y TECNOLOGIA DE ALIMENTOS Y NUTRICION; SANAFOOD (España); Universidad Politécnica de Cartagena; Universidad Politécnica de Madrid; Universidad de Buenos Aires; Universidad de Chile; Universidad de Ecuador; Universidad de la República de Uruguay

Total amount: 66.000 €

12 Name of the project: Influencia del riego deficitario en la calidad postcosecha del producto entero y mínimamente procesado en fresco

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Encarna Aguayo Giménez

Nº of researchers: 7

Nª people/year: 7

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Code according to the funding entity: AGL2010-19201-C04-02-AGR

Start-End date: 01/2011 - 2014

Duration: 3 years - 3 months

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 120.000 €

- 13 Name of the project:** Desarrollo de un sistema integral de la mejora de la calidad y seguridad de las frutas durante la confección, el transporte y la comercialización, mediante nuevas tecnologías de inspección y monitorización

Type of project: Research and development, including transfer

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Varios centros de diversos países

Name principal investigator (PI, Co-PI....): Margarita Ruiz Ramos

Nº of researchers: 75

Nª people/year: 75

Funding entity or bodies:

Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Start-End date: 01/01/2009 - 31/12/2012

Duration: 3 years - 11 months - 30 days

Participating entity/entities: CEAGESP y AGROPECUÁRIA SCHIO LTDA (Brasil); Complutense de Madrid; FORBEL S.A. y C.A.M.M. (Uruguay); INTA Balcarce (Argentina). ANECOOP S. Coop.; IRTA-Univ. de Lleida; LTAS-CENIM-CSIC (España); MACADEL S.A.; Multiscan Technologies S.L. y MAERSK LINE IBÉRICA S.A. (España); RASIP AGROPASTORIL S.A.; SENSITECH S.A. (Chile); Univ. Federal de Rio Grande Do Sul y de Pelotas y EMBRAPA (Brasil); Univ. Politécnicas de Madrid y de Cartagena; Univ. de Chile; Univ. de Costa Rica y Heart (Costa Rica); Univ. de Oriente (Cuba); Univ. de la República (Uruguay)

Total amount: 140.000 €

- 14 Name of the project:** The European genetic resources of Cynara spp. (CYNARES)

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Juan Antonio Fernández Hernández

Nº of researchers: 9

Nª people/year: 9

Funding entity or bodies:

Commission of the European Communities. D.G for Science Research and Development (DGXII)

Type of entity: Commission of the European Communities

Type of participation: Team member

Code according to the funding entity: AGRI-2006-0398

Start-End date: 01/07/2007 - 30/06/2011

Duration: 3 years - 11 months - 29 days

Participating entity/entities: Bretagne Biotechnologie Végétale (BBV); Ente per le Nuove Tecnologie l'Energia e l'Ambiente (ENEA); Instituto Técnico y de Gestión Agrícola, S.A.; Istituto di Genetica Vegetale del Consiglio Nazionale delle Ricerche; Universidad Politécnica de Cartagena; Università degli Studi della Toscana; Università degli studi di Bari

Total amount: 160.013 €

- 15 Name of the project:** Retos y soluciones tecnológicas en logística y transporte refrigerado de frutas y hortalizas

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University



City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 4

Nª people/year: 4

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Code according to the funding entity: AC2010-00017-00-00

Start-End date: 13/04/2010 - 31/12/2010

Duration: 1 year

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 6.000 €

- 16 Name of the project:** Multiplicación de esfuerzos para el desarrollo, innovación, optimización y diseño de un invernadero avanzado

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 9

Nª people/year: 9

Funding entity or bodies:

Centro para el Desarrollo Tecnológico Industrial

Type of entity: Business

City funding entity: Madrid, Community of Madrid, Spain

Ministerio de Industria Turismo y Comercio

Type of entity: Organismo público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: Programa CENIT

Start-End date: 01/01/2007 - 30/12/2010

Duration: 3 years - 11 months - 29 days

Participating entity/entities: Repsol YPF, S.A.; SAT Agrícola Perichán; Universidad Politécnica de Cartagena

Total amount: 811.479 €

Applicant's contribution: Cancelado por retirada de la empresa en noviembre 2007

- 17 Name of the project:** Innovación y optimización de procesamiento mínimo en fresco de sandía

Type of project: Research and development, including transfer

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 5

Nª people/year: 5

Funding entity or bodies:

COMUNIDAD AUTONOMA DE LA REGION DE MURCIA

City funding entity: Spain

Type of participation: Team member

Code according to the funding entity: SUE-OA 06/02-0008

Start-End date: 2007 - 2009

Duration: 2 years



Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 91.235,46 €

- 18 Name of the project:** Morphological, genetic and biochemical-nutritional characterization of local genetic resources of artichoke and melon

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Juan Antonio Fernández Hernández

Nº of researchers: 15

Nª people/year: 15

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Team member

Start-End date: 10/2007 - 2008

Duration: 1 year

Participating entity/entities: Seconda Università di Napoli; Universidad Politécnica de Cartagena

Total amount: 11.490 €

- 19 Name of the project:** Contaminación por fertilizantes y fitosanitarios en un cultivo de pimiento de invernadero para tres métodos de producción. Influencia sobre el rendimiento, la calidad de los frutos y su conservación

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Varios centros nacionales

Name principal investigator (PI, Co-PI....): Juan Cánovas Cuenca; Francisco Artés Hernández

Nº of researchers: 2

Nª people/year: 2

Type of participation: Principal investigator

Code according to the funding entity: RTA04-035

Start-End date: 01/10/2004 - 01/10/2007

Duration: 3 years

Participating entity/entities: CIFEa; Conserjería Agricultura Agua y Medio Ambiente; LAYMIA; Universidad Politécnica de Cartagena

Total amount: 5.580 €

- 20 Name of the project:** Pre-tratamientos innovadores para mejorar la calidad de pimiento y melón mínimamente procesados en fresco

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 7

Funding entity or bodies:

FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA

City funding entity: Spain

Type of participation: Team member



Code according to the funding entity: 00553 / PI 7 04

Start-End date: 2005 - 2007

Duration: 2 years

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 44.383 €

- 21 Name of the project:** Yield and exploitation of rocket salad and purslane as minimally fresh processed vegetables

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: CARTAGENA, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Juan Antonio Fernández Hernández

Nº of researchers: 12

Nª people/year: 12

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Team member

Code according to the funding entity: HI2004-0281

Start-End date: 01/01/2005 - 31/12/2006

Duration: 1 year - 11 months - 30 days

Participating entity/entities: Universidad Politécnica de Cartagena; Università degli studi di Bari

Total amount: 10.820 €

- 22 Name of the project:** Identificación de genes y enzimas activadas y reprimidas durante la producción de daños por frío en frutos de Tomate Micro-tom

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Marcos Egea Gutiérrez-Cortines

Nº of researchers: 7

Nª people/year: 7

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Organismo Público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Start-End date: 28/12/2001 - 30/09/2005

Duration: 3 years - 9 months - 2 days

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 97.363 €

- 23 Name of the project:** Development of novel technologies to yield fresh and processed products extracted from pomegranate fruits (POMEVAL)

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

**Nº of researchers:** 4**Nª people/year:** 4**Funding entity or bodies:**

Programa específico de investigación y desarrollo tecnológico en el campo de las tecnologías industriales y de los materiales (CRAFT)

Type of entity: Comisión Europea**Type of participation:** Team member**Name of the programme:** Programa específico de investigación y desarrollo tecnológico en el campo de las tecnologías industriales y de los materiales (CRAFT)**Code according to the funding entity:** POMEVAL**Start-End date:** 2003 - 2005**Duration:** 2 years**Participating entity/entities:** ADRIAC; AID; ARO-IAE; FRUVECO; Instituto Valenciano de Investigaciones Agrarias ; JURAN; MIRA; ORGARO; RIMONEST; Universidad Politécnica de Cartagena**Total amount:** 157.533 €

24 Name of the project: Optimización de la calidad de la lechuga, apio y pimiento mediante nutrición nitrogenada y técnicas postrecolección respetuosas del ambiente

Type of project: Research and development, including transfer**Geographical area:** National**Degree of contribution:** Researcher**Entity where project took place:** Universidad Politécnica de Cartagena**Type of entity:** University**City of entity:** Murcia, Region of Murcia, Spain**Name principal investigator (PI, Co-PI....):** Francisco Artés Calero**Nº of researchers:** 4**Nª people/year:** 4**Funding entity or bodies:**

FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA

City funding entity: Spain**Type of participation:** Team member**Code according to the funding entity:** AGR/3/FS/02**Start-End date:** 2002 - 2003**Duration:** 1 year**Participating entity/entities:** Universidad Politécnica de Cartagena**Total amount:** 20.313 €

25 Name of the project: Desarrollo de tecnologías para superar fisiopatías en frutos de clima templado

Type of project: Research and development, including transfer**Geographical area:** Non EU International**Degree of contribution:** Researcher**Entity where project took place:** Varios centros de diversos países**Name principal investigator (PI, Co-PI....):** Francisco Artés Calero; Luis Luchsinger Lagos**Nº of researchers:** 15**Nª people/year:** 15**Funding entity or bodies:**

Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo

Type of entity: Organismo Público**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Team member**Code according to the funding entity:** CYTED XI.14**Start-End date:** 1999 - 2002**Duration:** 3 years**Participating entity/entities:** CEBAS-CSIC e IRTA-Univ. de Lleida (España); CEPOC-Univ. de Chile (Chile); CIAD-Hermosillo y Universidad Autónoma de Querétaro (México); EMBRAPA (Brasil); Facultad de Agronomía Univ. de la República. Montevideo (Uruguay); INTA (Argentina)

26 Name of the project: Estudio de la maduración y de nuevas técnicas de conservación de uva de mesa

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: Murcia, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 10

Nª people/year: 10

Funding entity or bodies:

CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA

Type of entity: Associations and Groups

Comisión Interministerial de Ciencia y Tecnología

Type of entity: Organismo Público

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Code according to the funding entity: CICYT-FEDER 1FD97-0760-C03-01

Start-End date: 1999 - 2001

Duration: 3 years

Participating entity/entities: CIDA; Centro de Edafología y Biología Aplicada del Segura; Universidad Miguel Hernández de Elche

Total amount: 540.910 €

Dedication regime: Full time

27 Name of the project: Mejora de las condiciones de comercialización y conservación de la alcachofa

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Centro de Edafología y Biología Aplicada del Segura

Type of entity: State agency

City of entity: Murcia, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 4

Nª people/year: 4

Funding entity or bodies:

FUNDACION SENECA AGENCIA DE CIENCIA Y TECNOLOGIA DE LA REGION DE MURCIA

City funding entity: Region of Murcia, Spain

Type of participation: Team member

Code according to the funding entity: AGR 3 FS 69

Start-End date: 1999 - 2001

Duration: 2 years

Participating entity/entities: CEBAS-CSIC

28 Name of the project: Desarrollo de técnicas sostenibles y emergentes en el procesado mínimo de hortalizas foliáceas tipo baby para mezclas de ensaladas

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Cartagena

Type of entity: University

City of entity: Cartagena, Region of Murcia, Spain

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 5

Nª people/year: 5

Funding entity or bodies:



MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Type of participation: Principal investigator

Code according to the funding entity: AGL2007-63861/ALI

Start date: 01/10/2007

Duration: 3 years - 3 days

Participating entity/entities: Universidad Politécnica de Cartagena

Total amount: 133.100 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Ensayos de vida comercial a nivel industrial para la validación de extractos “vegetales” con potencial antifúngico y preservante de la deshidratación y calidad en frutos cítricos.

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Name principal investigator (PI, Co-PI....): Artés-Hernández F; F. Artés Calero; Lorena Martínez Zamora; Marina Cano Lamadrid

Nº of researchers: 4

Funding entity or bodies:
PRODUCTOS CITROSOL S.A. - Financiado por CDTI: IDI-20230353

Start date: 01/11/2022 **Duration:** 2 years

Total amount: 80.000 €
- 2** **Name of the project:** Dimensionamiento de instalaciones para determinar la vida postrecolección y calidad de productos hortofrutícolas

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Name principal investigator (PI, Co-PI....): Artés-Hernández F

Nº of researchers: 1

Funding entity or bodies:
Semillas Fito, S.A. **Type of entity:** Business

Start date: 29/04/2022 **Duration:** 1 month

Total amount: 1.250 €
- 3** **Name of the project:** Diseño y puesta a punto de un protocolo innovador, integrado y sostenible, de manejo pre y postcosecha del limón orgánico para optimizar su vida comercial

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Name principal investigator (PI, Co-PI....): Artés-Hernández F; F. Artés Calero; Lorena Martínez Zamora; Marina Cano Lamadrid

Nº of researchers: 4

Funding entity or bodies:
TOÑIFRUIT S.L - Financiado por CDTI: IDI-20220116

Start date: 18/01/2022 **Duration:** 2 years - 6 months

Total amount: 104.800 €
- 4** **Name of the project:** Asistencia técnica en un juicio en referencia a alteraciones sufridas por ajos durante su conservación

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator



Name principal investigator (PI, Co-PI....): Artés-Hernández F

Nº of researchers: 1

Funding entity or bodies:

ABACO ASESORES PERICIALES, S.L

Type of entity: Business

Start date: 16/01/2022

Duration: 1 month

Total amount: 1.500 €

5 Name of the project: Informe sobre la viabilidad del fortisol calcio como bioestimulante de plantas

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Name principal investigator (PI, Co-PI....): Artés-Hernández F

Nº of researchers: 1

Funding entity or bodies:

PRODUCTOS CITROSOL SA

Type of entity: Business

Start date: 22/04/2021

Duration: 1 month

Total amount: 1.500 €

6 Name of the project: Quality optimization of fresh-cut carrot sticks during its refrigerated commercial life.

Type of project: Research and development, including transfer

Degree of contribution: Managing coordinator

Name principal investigator (PI, Co-PI....): Artés-Hernández F; Martinez Zamora L; Artes

Nº of researchers: 3

Funding entity or bodies:

AGRICOLA VILLENA

Start date: 22/03/2021

Duration: 3 months

Total amount: 8.850 €

7 Name of the project: Diseño y Desarrollo Técnico y ejecución de una central de manipulación de productos hortofrutícolas ecológicos

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP); Reus P; Blancafort

Nº of researchers: 3

Funding entity or bodies:

TOÑIFRUIT S.L.,

City funding entity: Alhama, Region of Murcia, Spain

Start date: 02/03/2020

Duration: 3 years

8 Name of the project: Estudio de daños por congelación en ajos

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 1

Funding entity or bodies:

ABACO ASESORES PERICIALES, S.L.

City funding entity: Valencia

Start date: 13/11/2019

Duration: 4 months

Total amount: 3.000 €

9 Name of the project: Distribución en planta, selección de equipamiento de procesado y validación industrial de la vida comercial para la fabricación a escala comercial de hummus de brócoli

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP); Francisco Artés Calero

Nº of researchers: 2

**Funding entity or bodies:**

GRUPO EMPRESARIAL LA CAÑA S.L.

Type of entity: Business**City funding entity:** Granada**Start date:** 28/10/2019**Duration:** 6 months**Total amount:** 7.350 €

- 10 Name of the project:** Desarrollo de una alternativa sostenible para reducir el aporte de nitratos en la fertirrigación del pimiento en la comarca del Mar Menor

Type of project: Industrial research**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Artés F (IP); Artés-Hernández F (Co-IP)**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

ASOCIACIÓN ECO-INNOVADORA AGRÍCOLA DE LA REGIÓN DE MURCIA

Type of entity: Business**City funding entity:** Murcia, Region of Murcia, Spain**Start date:** 01/09/2019**Duration:** 2 years**Total amount:** 52.000 €**Relevant results:** Proyecto de Innovación de la Comunidad Autónoma de la Región de Murcia para Grupos Operativos SULCA(AEIA).

- 11 Name of the project:** Diseño y ejecución de la Jornada Técnica Retos tecnológicos en el cultivo y la postcosecha hortofrutícola en el área mediterránea

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández**Nº of researchers:** 1**Funding entity or bodies:**

AgroBank

City funding entity: Lleida**Start date:** 01/07/2019**Duration:** 6 months**Total amount:** 1.000 €

- 12 Name of the project:** Asesoramiento en tecnologías postcosecha y transporte frigorífico marítimo de productos hortofrutícolas.

Degree of contribution: Coordinator of total project, network or consortium**Name principal investigator (PI, Co-PI....):** Artes Hernandez F; Artés Calero F**Nº of researchers:** 2**Funding entity or bodies:**

TRANSITEX – TRÂNSITOS DE EXTREMADURA, S.A.

Type of entity: Business**City funding entity:** Lisboa, Portugal**Start date:** 01/03/2019**Duration:** 2 months**Total amount:** 2.970 €

- 13 Name of the project:** Efecto del sulfato cálcico aplicado en fertirrigación sobre el desarrollo del picado amargo en manzana. 2ª parte

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Calero (IP); Francisco Artés Hernández (Co-IP)

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SULFATO CÁLCICO DEL MEDITERRÁNEO S.L. **Type of entity:** Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 01/03/2019

Duration: 9 months

Total amount: 9.000 €

- 14 Name of the project:** Efecto del sulfato cálcico aplicado en fertirrigación sobre la producción y calidad de la aceituna Arbequina

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Calero (IP); Francisco Artés Hernández (Co-IP)

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SULFATO CÁLCICO DEL MEDITERRÁNEO S.L. **Type of entity:** Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 01/02/2019

Duration: 3 years

Total amount: 20.000 €

- 15 Name of the project:** Ensayo preliminar de secado por atomización de leche maternizada

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): José M^a Obón de Castro (IP); Francisco Artés Hernández (Co-IP)

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

CICONEA NUTRICIÓN S.L. **Type of entity:** Business

City funding entity: Madrid, Community of Madrid, Spain

Start date: 01/02/2019

Duration: 2 months

Total amount: 850 €

- 16 Name of the project:** Comparativa de capacidad de absorción de etileno de dos productos comerciales en forma de pellets para filtros

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP)

Nº of researchers: 1

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

BIOCONSERVACIÓN, S.A. **Type of entity:** Business

City funding entity: Barcelona, Catalonia, Spain

Start date: 01/06/2018

Duration: 2 months

Total amount: 1.210 €

- 17** **Name of the project:** Capacidad de absorción de etileno de un nuevo absorbedor comercial en forma de pellets para filtros durante el transporte de productos hortofrutícolas
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP)
Nº of researchers: 1
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
BEFRESH TECHNOLOGY **Type of entity:** Business
City funding entity: Barcelona, Catalonia, Spain
Start date: 04/05/2018 **Duration:** 1 month
Total amount: 1.650 €
- 18** **Name of the project:** Conveniencia de uso de retractilado plástico de las pellas de brócoli para preservar su calidad postrecolección
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP); Francisco Artés Calero
Nº of researchers: 2
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
SAKATA SEED IBÉRICA **Type of entity:** Business
City funding entity: Spain
Start date: 26/04/2018 **Duration:** 2 months
Total amount: 1.500 €
- 19** **Name of the project:** Estudio del ozono y dióxido de cloro en la eficacia desinfectante del sticks de apio durante el proceso de lavado
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP)
Nº of researchers: 1
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
SAT LAS PRIMICIAS **Type of entity:** Business
City funding entity: Murcia, Region of Murcia, Spain
Start date: 26/04/2018 **Duration:** 2 months
Total amount: 7.472 €
- 20** **Name of the project:** Efecto del sulfato cálcico aplicado en fertirrigación sobre el desarrollo del picado amargo en manzana
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Francisco Artés Calero (IP); Francisco Artés Hernández (Co-IP)
Nº of researchers: 2
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
SULFATO CÁLCICO DEL MEDITERRÁNEO S.L. **Type of entity:** Business
City funding entity: Murcia, Region of Murcia, Spain

**Start date:** 01/02/2018**Duration:** 8 months**Total amount:** 8.000 €**21 Name of the project:** Effect of UV-C radiation as sanitizing agent of baby leaves**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Hernández (IP); Francisco Artés Calero**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

G's GROWERS

Type of entity: Business**City funding entity:** Barway, United Kingdom**Start date:** 15/09/2017**Duration:** 3 months**Total amount:** 14.350 €**22 Name of the project:** Capacidad de absorción de etileno de un nuevo producto en función de la temperatura**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Hernández**Nº of researchers:** 1**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

MAGINA 4 S.L.

Type of entity: Business**City funding entity:** Granada, Andalusia, Spain**Start date:** 07/07/2017**Duration:** 2 months**Total amount:** 1.200 €**23 Name of the project:** Diseño y cálculo de la instalación frigorífica y cámara de maduración en una industria de manipulación de tomate cherry**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Hernández (IP); Francisco Artés Calero**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

LOOJE AGUILAS S.L.

Type of entity: Business**City funding entity:** Águilas, Region of Murcia, Spain**Start date:** 09/05/2017**Duration:** 2 months**Total amount:** 6.500 €**24 Name of the project:** Estudio del pardeamiento en el corte del tallo de apio mediante su entendimiento a través de la huella del ADN**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

LOVE FRESH Co

Type of entity: Business**City funding entity:** Murcia, Region of Murcia, Spain



Start date: 02/05/2017
Total amount: 14.800 €

Duration: 6 months

25 Name of the project: Mejora de la vida comercial del stick pack de apio

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 1

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

LOVE FRESH Co

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 01/04/2017

Duration: 6 months

Total amount: 5.600 €

26 Name of the project: Evaluación de la tecnología OXYION para optimizar la frigoconservación y vida comercial de limones

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández (IP); Francisco Artés Cslero

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

OXYION EUROPA S.L.

Type of entity: Business

City funding entity: Las Rozas, Community of Madrid, Spain

Start date: 09/01/2017

Duration: 4 months

Total amount: 6.000 €

27 Name of the project: Influencia del sulfato cálcico aplicado en fertirrigación sobre la calidad global del limón fino y nectarina

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SULFATO CÁLCICO DEL MEDITERRÁNEO S.L.

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 09/2016

Duration: 9 months

Total amount: 9.000 €

28 Name of the project: Tipificación de los factores responsables de la alteración periestilar de la mandarina Orri y desarrollo de técnicas para su control (CDTI)

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Calero

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:



ROYMAGA S.L.

Type of entity: Business

City funding entity: La Aparecida, Region of Murcia, Spain

Start date: 07/2016

Duration: 2 years

Total amount: 35.000 €

- 29 Name of the project:** Diseño y cálculo para la modernización de las cámaras de desverdización e instalación frigorífica en el área de recepción de una industria de manipulación de cítricos

Type of project: Research and development, including transfer

Nº of researchers: 2

Funding entity or bodies:

SOC. COOP. EL LIMONAR

Type of entity: Business

City funding entity: Santomera, Region of Murcia, Spain

Start date: 04/2016

Duration: 6 months

Total amount: 9.000 €

- 30 Name of the project:** Realización de análisis de capacidad de absorción de etileno de materiales absorbentes fabricados por BIOCONSERVACIÓN y codificados con los nombres BI-ON P163 y BI-ON R12. "Asesoramiento técnico sobre el estado de las principales técnicas postrecolección incluyendo la capacidad de absorción de etileno"

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 1

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

BIOCONSERVACIÓN, S.A.

Type of entity: Business

City funding entity: Barcelona, Region of Murcia, Spain

Start date: 19/01/2016

Duration: 6 months

Total amount: 2.502 €

- 31 Name of the project:** Influencia del sulfato cálcico aplicado en fertirrigación sobre la calidad global de la nectarina

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SULFATO CÁLCICO DEL MEDITERRÁNEO S.L.

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 01/2016

Duration: 6 months

Total amount: 5.900 €

- 32 Name of the project:** Desarrollo de una nueva tecnología sustitutiva a biocidas químicos en productos hortofrutícolas (CDTI)

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Encarna Aguayo

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:



VERDIMED S.L.

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 10/12/2015

Duration: 2 years

Total amount: 77.000 €

33 Name of the project: Alternative postharvest treatments to control decay in citrus

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

DECCO IBÉRICA POSTCOSECHA S.A.U.

Type of entity: Business

City funding entity: Valencia, Valencian Community, Spain

Start date: 09/2015

Duration: 6 months

Total amount: 15.000 €

34 Name of the project: Conservación de granada Mollar de Elche en atmósfera controlada

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Francisco Artés Hernández

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

CAMBAYAS, S.A.

Type of entity: Business

City funding entity: Elche, Valencian Community, Spain

Start date: 07/2015

Duration: 10 months

Total amount: 7.500 €

35 Name of the project: Diseño y cálculo de la instalación frigorífica y de desverdización para una nueva nave de manipulación de cítricos biológicos

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SOC. COOP. EL LIMONAR

City funding entity: Santomera, Region of Murcia, Spain

Start date: 05/2015

Duration: 1 year - 6 months

Total amount: 15.900 €

36 Name of the project: Influencia del sulfato cálcico aplicado en fertirrigación sobre la calidad global del limón Verna y uva Crimson seedless

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SULFATO CÁLCICO DEL MEDITERRÁNEO S.L.



City funding entity: Region of Murcia, Spain

Start date: 04/2015

Duration: 1 year

Total amount: 10.800 €

37 Name of the project: Optimización de la radiación UV-C en melón Galia

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

GRUPO CFM

Type of entity: Business

City funding entity: Fuente Álamo, Region of Murcia, Spain

Start date: 04/2015

Duration: 4 months

Total amount: 13.000 €

38 Name of the project: Determinación de factores responsables de la peteca del limón y desarrollo de técnicas sostenibles para su control

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: FRUGARVA SA; PRODUCTOS CITROSOL; Universidad Politécnica de Cartagena

Funding entity or bodies:

PRODUCTOS CITROSOL

Type of entity: Business

City funding entity: Potries, Valencian Community, Spain

Start date: 09/2014

Duration: 2 years

Total amount: 120.000 €

39 Name of the project: Auditoría de los puntos críticos susceptibles de causar daños mecánicos en líneas de manipulación de cítricos mediante una esfera registradora de impactos

Degree of contribution: Contrato de asistencia técnica

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

TANA SA

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 03/2014

Duration: 2 months

Total amount: 2.180 €

40 Name of the project: Postharvest UV radiation optimization in bell pepper fruits

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:



GRUPO CFM

City funding entity: Region of Murcia, Spain

Start date: 02/2014

Total amount: 10.800 €

Type of entity: Business

Duration: 4 months

41 Name of the project: Rediseño y cálculo de una instalación frigorífica para productos hortícolas

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

Campo de Lorca Soc. Coop. Ltda.

Type of entity: Business

City funding entity: Lorca, Region of Murcia, Spain

Start date: 02/2014

Duration: 2 months

Total amount: 5.000 €

42 Name of the project: New presentation innovative development of broccoli with minimal processing techniques to preserve its nutritional properties

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SAKATA SEED IBÉRICA S.L.U.

Type of entity: Business

City funding entity: Spain

Start date: 05/2013

Duration: 2 years

Total amount: 60.000 €

43 Name of the project: Optimización de las técnicas de atmosfera controlada e inhibición del etileno en postcosecha de caquis Sharon

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández

Nº of researchers: 2

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

SATA AGROMEDINA SL

City funding entity: Huelva, Andalusia, Spain

Start date: 11/2012

Duration: 6 months

Total amount: 15.800 €

44 Name of the project: Correlation between traditionally measured quality and FTA-card method throughout shelf life of 'crimson seedless' table grapes

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández

Nº of researchers: 2



Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

NSURE BV

Start date: 09/2011

Duration: 5 months

Total amount: 12.000 €

- 45 Name of the project:** Identificación de la idoneidad de los cultivos, la madurez óptima de cosecha y las mejores prácticas post-cosecha para hacer nectarina MPF

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

ARTIBAL S.A.

Type of entity: Business

City funding entity: Aragon, Spain

Asociación para la investigación y el desarrollo y la innovación alimentaria (AIDIA)

Type of entity: Associations and Groups

City funding entity: La Rioja, Spain

Start date: 06/2011

Duration: 4 months

Total amount: 30.000 €

- 46 Name of the project:** Programa de colaboración de control de calidad y vida postcosecha en frutas y hortalizas. III. Albaricoque, melocotón, brócoli, pera y sandía

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 4

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

FECOAM (Federación de Cooperativas Agrarias de la Región de Murcia)

Type of entity: Associations and Groups

City funding entity: Spain

Start date: 02/2010

Duration: 10 months

Total amount: 20.000 €

- 47 Name of the project:** Envasado innovador en atmósfera modificada a escala de palet para uva Crimson Seedless ecológica

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

LAS CABEZUELAS S. COOP

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 08/2009

Duration: 6 months

Total amount: 34.500 €



- 48** **Name of the project:** Procesado mínimo de brócoli tipo mini para preservar y/o potenciar sus propiedades bioactivas y organolépticas
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero
Nº of researchers: 3
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
SAKATA SEED IBÉRICA S.L.U. **Type of entity:** Business
City funding entity: Spain
Start date: 04/2009 **Duration:** 4 years
Total amount: 60.000 €
- 49** **Name of the project:** Programa de colaboración de control de calidad y vida postcosecha en frutas y hortalizas. II. Melocotón, nectarina, brócoli y pera
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Calero
Nº of researchers: 5
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
FECOAM (Federación de Cooperativas Agrarias de Región de Murcia **Type of entity:** Associations and Groups
City funding entity: Region of Murcia, Spain
Start date: 02/2009 **Duration:** 10 months
Total amount: 40.000 €
- 50** **Name of the project:** Rediseño de la planta actual y diseño de la ampliación de una central hortofrutícola
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández
Nº of researchers: 2
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
S. COOP. EL LIMONAR DE SANTOMERA **Type of entity:** Business
City funding entity: Region of Murcia, Spain
Start date: 12/2008 **Duration:** 4 months
Total amount: 9.512 €
- 51** **Name of the project:** Envasado innovador de granada Mollar de Elche con polímeros plásticos y atmósferas modificadas activas
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Dr. Francisco Artés Hernández
Nº of researchers: 4
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies:
S. COOP. CAMBAYAS **Type of entity:** Business
City funding entity: Valencian Community, Spain

**Start date:** 09/2008**Duration:** 7 months**Total amount:** 40.000 €

52 Name of the project: Mejora de la comercialización postcosecha de melocotón, nectarina, pimiento y brócoli

Type of project: Research and development, including transfer**Degree of contribution:** I+D**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 5**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**FECOAM (Federación de Cooperativas Agrarias de la **Type of entity:** Associations and Groups
Región de Murcia**City funding entity:** Region of Murcia, Spain**Start date:** 05/2008**Duration:** 8 months**Total amount:** 40.000 €

53 Name of the project: Comportamiento del limón Verna en el tratamiento cuarentenario exigido para su exportación a los Estados Unidos de América

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 6**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**AILIMPO (Asociación Interprofesional de Limón y
Pomelo)**Type of entity:** Associations and Groups**City funding entity:** Spain**Start date:** 06/2007**Duration:** 5 months**Total amount:** 30.000 €

54 Name of the project: Addenda al contrato "Optimización del procesado mínimo de granada en una planta semi-industrial innovadora".

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 3**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

SANTIAGO MIRA S.L.

Start date: 07/2006**Duration:** 6 months**Total amount:** 6.318 €

55 Name of the project: Desarrollo de tecnología e innovaciones en la elaboración de sandía mínimamente procesada en fresco

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 4**Participating entity/entities:** Universidad Politécnica de Cartagena

**Funding entity or bodies:**

POZO SUR S.L.

Type of entity: Business**City funding entity:** Águilas, Region of Murcia, Spain**Start date:** 05/2006**Duration:** 5 months**Total amount:** 28.000 €

- 56 Name of the project:** Diseño y cálculo de instalación frigorífica con ahorro energético optimizado para manipulación de hortalizas biológicas

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Calero**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

SACOJE

Type of entity: Business**City funding entity:** Lorca, Region of Murcia, Spain**Start date:** 04/2006**Duration:** 3 months**Total amount:** 5.850 €

- 57 Name of the project:** Optimización del procesado mínimo de granada en una planta semi-industrial innovadora

Type of project: Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 4**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

SANTIAGO MIRA S.L.

Type of entity: Business**City funding entity:** Valencian Community, Spain**Start date:** 15/11/2005**Duration:** 6 months**Total amount:** 28.750 €

- 58 Name of the project:** Desarrollo industrial del procesado mínimo en fresco de haba

Type of project: Research and development, including transfer**Degree of contribution:** I+D**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

FRUTAS ESPARZA S.L.

Type of entity: Business**City funding entity:** Torre Pacheco, Region of Murcia, Spain**Start date:** 26/10/2005**Duration:** 3 months**Total amount:** 12.000 €

- 59 Name of the project:** Development of the modified atmosphere Tectrol system for improving the chilling storage of selected table grapes. Second part.

Type of project: Research and development, including transfer**Degree of contribution:** I+D**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero



Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

TRANSFRESH CORPORATION

Type of entity: Business

City funding entity: Salinas CA, United States of America

Start date: 01/10/2005

Duration: 4 months

Total amount: 7.500 €

60 Name of the project: Definición de un protocolo de elaboración de pepino mínimamente procesado en fresco

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

AGRÍCOLA PERICHÁN

Type of entity: Business

City funding entity: Cañada de Gallego, Region of Murcia, Spain

Start date: 21/01/2005

Duration: 7 months

Total amount: 24.000 €

61 Name of the project: Development of the modified atmosphere Tectrol system for improving the chilling storage of selected table grapes

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

TRANSFRESH CORPORATION

Type of entity: Business

City funding entity: Salinas CA, United States of America

Start date: 02/09/2004

Duration: 5 months

Total amount: 18.000 €

62 Name of the project: Preparación de haba mínimamente procesada en fresco y optimización de su procesado en un prototipo industrial

Type of project: Research and development, including transfer

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero

Nº of researchers: 3

Participating entity/entities: Universidad Politécnica de Cartagena

Funding entity or bodies:

FRUTAS ESPARZA S.L.

Type of entity: Business

City funding entity: Murcia, Region of Murcia, Spain

Start date: 01/04/2004

Duration: 4 months

Total amount: 24.000 €



- 63** **Name of the project:** Cálculo de las instalaciones frigoríficas y distribución en planta de una central hortofrutícola
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero
Nº of researchers: 2
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies: MOLINENSE PRODUCCIONES NATURALES S.L. **Type of entity:** Business
City funding entity: Molina de Segura, Region of Murcia, Spain
Start date: 01/03/2004 **Duration:** 3 months
Total amount: 18.000 €
- 64** **Name of the project:** Transferencia de tecnología sobre procesado mínimo en fresco de hortalizas
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero
Nº of researchers: 3
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies: CANARIHORTA S.L. **Type of entity:** Business
City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Start date: 31/10/2003 **Duration:** 2 months - 15 days
Total amount: 5.000 €
- 65** **Name of the project:** Diseño de una instalación frigorífica original polivalente
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero
Nº of researchers: 2
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies: FRUTAS Y VERDURAS RODRÍGUEZ S.L. **Type of entity:** Business
City funding entity: Murcia, Region of Murcia, Spain
Start date: 28/07/2003 **Duration:** 1 year
Total amount: 27.840 €
- 66** **Name of the project:** Optimización de la desverdización y del envasado en películas macroperforadas para la comercialización refrigerada de pimiento
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Prof. Dr. Francisco Artés Calero
Nº of researchers: 4
Participating entity/entities: Universidad Politécnica de Cartagena
Funding entity or bodies: SAT SAN CAYETANO **Type of entity:** Business
City funding entity: San Cayetano, Region of Murcia, Spain
Start date: 20/05/2002 **Duration:** 7 months - 30 days
Total amount: 7.515 €

**67 Name of the project:** Diseño de una Instalación Industrial de procesado en fresco de Hortalizas Foliáceas**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 2**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

PRIMAFLOR SAT

Type of entity: Business**City funding entity:** Almería, Andalusia, Spain**Start date:** 01/04/2002**Duration:** 6 months - 29 days**Total amount:** 124.223 €**68 Name of the project:** Optimización de una técnica innovadora de conservación en frío de productos vegetales II. Apio**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Prof. Dr. Francisco Artés Calero**Nº of researchers:** 4**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

Société coopérative agricole groupement des producteurs de légumes de la Manche

Type of entity: Associations and Groups**Start date:** 02/01/2002**Total amount:** 15.000 €**69 Name of the project:** Optimización de una técnica innovadora de conservación en frío de productos vegetales. Pimiento I. Pimiento**Type of project:** Research and development, including transfer**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Francisco Artés Calero**Nº of researchers:** 4**Nº people/year:** 4**Participating entity/entities:** Universidad Politécnica de Cartagena**Funding entity or bodies:**

Société coopérative agricole groupement des producteurs de légumes de la Manche

Type of entity: Associations and Groups**Start date:** 20/06/2001**Duration:** 4 months**Total amount:** 17.400 €**Supervised artistic projects****1 Description:** Proyecto de Ingeniería "Modernización de las cámaras de desverdización e instalación frigorífica en una industria de manipulación de cítricos"**Authors (by signature order):** Artés, F.; Artés-Hernández, F.; Andúgar, J.M.**Start date:** 07/2016**2 Description:** Proyecto de Ingeniería "Instalación frigorífica para nave de manipulación de cítricos biológicos"**Authors (by signature order):** Artés, F.; Artés-Hernández, F.



Start date: 07/2015

- 3** **Description:** Proyecto de Ingeniería "Sala de procesamiento mínimo en fresco para pepino"
Authors (by signature order): Artés, F.; Artés-Hernández, F.
Start date: 07/2006
- 4** **Description:** Proyecto de Ingeniería "Sala de procesamiento mínimo en fresco. Frutas Esparza S.L. (Murcia)"
Authors (by signature order): Artés, F.; Artés-Hernández, F.; Cánovas-Mateo, F.L.
Start date: 01/03/2005
- 5** **Description:** Proyecto de Ingeniería "Industria de procesamiento en fresco de hortalizas foliáceas en Pulpi (Almería)"
Authors (by signature order): Artés, F.; Artés-Hernández, F.; Cánovas-Mateo, F.L.
Start date: 20/12/2002

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** Ethylene adsorber based on sepiolite and potassium permanganate and its obtaining method
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Marianela Hazel Álvarez Hernández; Felipe Avalos Belmontes; Ginés Benito Martínez Hernández; Francisco Artés Hernández
Entity holder of rights: Universidad Autonoma De Coahuila (México)
Nº of application: MX/A/2020/014137
Country of inscription: Mexico
Date of register: 17/12/2020
Spanish patent: No
International non-EU patent: Yes
- 2** **Title registered industrial property:** Dispositivo, sistema y método de monitorización en tiempo real de las variables físicas y ambientales durante el transporte de mercancías perecederas
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Francisco Artés Hernández; María Teresa Martínez Zafra; Roque Torres Sánchez
Entity holder of rights: Universidad Politécnica de Cartagena
Nº of application: 201730301
Country of inscription: Spain
Date of register: 17/04/2018
Conferral date: 17/04/2018
Nº of patent: ES2640027
Spanish patent: Yes
Companies: WIDHOC
- 3** **Title registered industrial property:** Method for minimal processing of pomegranate arils
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Francisco Artés Hernández; Perla Gómez Di Marco; Francisco Artés Calero; Encarna Aguayo Giménez; M^a Elisa Peña Estévez
Entity holder of rights: Universidad Politécnica de Cartagena



Nº of application: 201331696

Country of inscription: Spain

Date of register: 30/07/2014

Conferral date: 30/07/2014

Nº of patent: ES 2 441 316 B1

Spanish patent: Yes

Operating aut.region/region: Chile / Iran / Israel / Peru / Turkey / United Kingdom / United States of America

4 Title registered industrial property: Industrial method for minimal processing of beans and peas including the design of the processing plant

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Francisco Artés Calero; Francisco Artés Hernández; Mariano Otón Alcaraz

Entity holder of rights: Universidad Politécnica de Cartagena

Nº of application: P201330811

Country of inscription: Spain

Date of register: 12/03/2014

Conferral date: 12/03/2014

Nº of patent: ES 2 412 959 B1

Spanish patent: Yes

Companies: Frutas Esparza

Scientific and technological activities

Scientific production

1 H index: 38

Date of application: 01/03/2025

Source of H-Index: WOS

2 H index: 51

Date of application: 01/03/2024

Source of H-Index: GOOGLE SCHOLAR

3 H index: 42

Date of application: 01/03/2025

Source of H-Index: SCOPUS

Publications, scientific and technical documents

1 Cano-Lamadrid M.; Martínez-Zamora L; Castillejo N.; Cattaneo, E.; C. Pagliarini,; Artés-Hernández F. How does the phytochemical composition of sprouts and microgreens from Brassica vegetables affect the sensory profile and consumer acceptability?. Postharvest Biology and Technology. 203, pp. 112411 - 112423. Elsevier, 25/04/2023.

DOI: 10.1016/j.postharvbio.2023.112411

Type of production: Scientific paper

Format: Journal

Position of signature: 6

Total no. authors: 6

Corresponding author: Yes

Relevant publication: Yes



- 2** Martínez-Zamora L.; Castillejo N.; Artés-Hernández F. Postharvest UV radiation enhanced biosynthesis of flavonoids and carotenes in bell peppers. *Postharvest Biology and Technology*. 184, pp. 111774. Elsevier, 01/02/2022.
DOI: <https://doi.org/10.1016/j.postharvbio.2021.111774>
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
Relevant publication: Yes
- 3** Cano-Lamadrid M.; Artés-Hernández F. By-products revalorization with non-thermal treatments to enhance phytochemical compounds of fruit and vegetables derived products: A review. *Foods*. 11 - 1, pp. 59. MDPI, 10/01/2022. ISSN 2304-8158
DOI: <https://doi.org/10.3390/foods11010059>
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 2 **Corresponding author:** No
Relevant publication: Yes
- 4** Formica-Oliveira, A.C.; Martínez-Hernández, G.B.; Aguayo, E.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. A functional smoothie from carrots with induced enhanced phenolic content. *Food and Bioprocess Technology*. 10 - (3), pp. 491 - 502. New York NY(United States of America): Springer, 2017. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-016-1829-4>>. ISSN 1935-5130
DOI: <http://dx.doi.org/10.1007/s11947-016-1829-4>
Type of production: Scientific paper **Format:** Journal
Position of signature: 6 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6 **Corresponding author:** Yes
Impact source: ISI **Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY
Impact index in year of publication: 2,998 **Journal in the top 25%:** Yes
Position of publication: 30 **No. of journals in the cat.:** 133
Relevant publication: Yes
- 5** Rodríguez-Verástegui, L.L.; Martínez-Hernández, G.B.; Castillejo-Montoya, N.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. Bioactive compounds and enzymatic activity of red vegetable smoothies during storage. *Food and Bioprocess Technology*. 9, pp. 137 - 146. New York NY(United States of America): Springer, 2016. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-015-1609-6>>. ISSN 1935-5130
DOI: <http://dx.doi.org/10.1007/s11947-015-1609-6>
Type of production: Scientific paper **Format:** Journal
Position of signature: 6 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6 **Corresponding author:** Yes
Impact source: ISI **Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY
Impact index in year of publication: 2,576 **Journal in the top 25%:** Yes
Position of publication: 26 **No. of journals in the cat.:** 130
Relevant publication: Yes

- 6** Peña-Estévez, M.E.; Artés-Hernández, F.; Aguayo, E.; Martínez-Hernández, G.B.; Galindo, A.; Artés, F.; Gómez, P.. Quality changes of pomegranate arils throughout shelf life affected by deficit irrigation and pre-processing storage. Food Chemistry. 209, pp. 302 - 311. Oxford(United Kingdom): Elsevier Sci LTD, 2016. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S030881461630574X>>. ISSN 0308-8146

DOI: <http://dx.doi.org/10.1016/j.foodchem.2016.04.05444>

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 5,529

Position of publication: 6

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 130

- 7** Artés, F.; Gómez, P.A.; Aguayo, E.; Escalona, V.H.; Artés-Hernández, F.. Sustainable sanitation techniques for keeping quality and safety of fresh-cut plant commodities. Postharvest Biology and Technology. 51 - 3, pp. 287 - 296. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2009. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521408002810>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2008.10.003>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 2,311

Position of publication: 18

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 118

- 8** Cano-Lamadrid M; Artés-Hernández F. Thermal and Non-Thermal Treatments to Preserve and Encourage Bioactive Compounds in Fruit and Vegetables Based Products.Foods. Special Issue: Thermal and Non-Thermal Treatments to Preserve and Encourage Bioactive Compounds in Fruit and Vegetables Based Products. 11, pp. 3400. MDPI, 04/10/2022.

DOI: 10.3390/foods11213400

Type of production: Review

Position of signature: 2

Total no. authors: 2

Relevant publication: Yes

Format: Journal

Corresponding author: Yes

- 9** Cano-Lamadrid M; Martínez-Zamora L; Castillejo N; Artés-Hernández F. From pomegranate byproducts waste to worth: a review of extraction techniques and potential applications for their revalorization.Foods. Special Issue: Thermal and Non-Thermal Treatments to Preserve and Encourage Bioactive Compounds in Fruit and Vegetables Based Products. 11 - 17, pp. 2596. MDPI, 20/09/2022. Available on-line at: <<https://www.mdpi.com/2304-8158/11/17/2596/htm>>.

DOI: 10.3390/foods11172596

Type of production: Review

Position of signature: 4

Total no. authors: 4

Relevant publication: Yes

Format: Journal

Corresponding author: Yes

- 10** Darré M; Vicente A.R.; Cisneros-Zevallos L; Artés-Hernández F. Postharvest Ultraviolet Radiation in Fruit and Vegetables: Applications and factors modulating its efficacy on Bioactive Compounds and Microbial Growth. *Foods*. 11 - 5, pp. 653. MDPI, 08/02/2022.
DOI: 10.3390/foods11030265
Type of production: Review **Format:** Journal
Position of signature: 4
Total no. authors: 4 **Corresponding author:** No
Relevant publication: Yes
- 11** Artés-Hernández F; Castillejo N; Martínez-Zamora L. UV and visible spectrum LED lighting as abiotic elicitors of bioactive compounds in sprouts, microgreens and baby leaves. A comprehensive review including their mode of action. *Foods*. 11 - 3, pp. 265. MDPI, 19/01/2022. ISSN 2304-8158
DOI: 10.3390/foods11030265
Type of production: Review **Format:** Journal
Position of signature: 1
Total no. authors: 3 **Corresponding author:** Yes
Relevant publication: Yes
- 12** Artés-Hernández F; Martínez-Zamora L.; Castillejo N.; Martínez-Hernández G.B.. Phytochemical fortification in fruit and vegetable beverages with green technologies. *Foods*. 10 - 11, pp. 2534. MDPI, 21/10/2021. ISSN 2304-8158
DOI: 10.3390/foods10112534
Type of production: Review **Format:** Journal
Position of signature: 1
Total no. authors: 4 **Corresponding author:** Yes
Relevant publication: Yes
- 13** Zapata R.; Martínez-Zamora L; Cano-Lamadrid M.; Artés-Hernández F. Wounding citrus peel by-products as abiotic stress to induce the synthesis of phenolic compounds?. *Horticulturae*. 10, pp. 885 - 903. MDPI, 16/09/2024.
DOI: 10.3390/horticulturae10080885
Type of production: Scientific paper **Format:** Journal
Position of signature: 4
Total no. authors: 4 **Corresponding author:** Yes
Relevant publication: No
- 14** Martínez-Zamora L; Castillejo N.; Artés-Hernández F. Fortification of an innovative tomato cold soup with high bioaccessible sulforaphene from UV-B treated radish seeds. *Food and Bioprocess Technology*. 17, pp. 2631 - 2643. ELSEVIER, 08/09/2024.
DOI: 10.1007/s11947-023-03273-0
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
Relevant publication: No
- 15** Mozafari L; Cano-Lamadrid M.; Martínez-Zamora L; Bueso M.C.; Kessler M.; Artés-Hernández F. Pulsed ultrasound-assisted extraction of lycopene and B-carotene from industrial grated tomato by-products. *LWT- Food Science and Technology*. 204, pp. 116462 - 116470. ELSEVIER, 15/07/2024.
DOI: 10.1016/j.lwt.2024.116462
Type of production: Scientific paper **Format:** Journal
Position of signature: 6
Total no. authors: 6 **Corresponding author:** Yes
Relevant publication: No

- 16** Martínez-Zamora L; Hashemi S.; Cano-Lamadrid M.; Bueso M.C.; Aguayo E.; Kessler M.; Artés-Hernández F. Ultrasound-assisted extraction of bioactive compounds from broccoli by-products. *FOODS*. 13 - 10, pp. 1441 - 1456. MDPI, 07/05/2024.
DOI: 10.3390/foods13101441
Type of production: Scientific paper **Format:** Journal
Position of signature: 7
Total no. authors: 7 **Corresponding author:** Yes
Relevant publication: No
- 17** Crespo P.; Martínez-Zamora L; Artés-Hernández F; Tornel M.. New table grape hybrids development from teinturier population with enhanced phytochemical quality. *Scientia Horticulturae*. 326, pp. 112756 - 112767. Elsevier, 06/02/2024.
DOI: 10.1016/j.scienta.2023.112756
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 4 **Corresponding author:** Yes
Relevant publication: No
- 18** Pérez P; Hashemi S; Cano-Lamadrid M.; Martínez-Zamora L; Gómez P.A.; Artés-Hernández F. Effect of Ultrasound and High Hydrostatic Pressure processing on quality and bioactive compounds during shelf life of a broccoli and carrot by-products beverage. *FOODS*. 12 - 20, pp. 3808 - 2825. MDPI, 17/10/2023.
DOI: 10.3390/foods12203808
Type of production: Scientific paper **Format:** Journal
Position of signature: 6
Total no. authors: 6 **Corresponding author:** Yes
Relevant publication: No
- 19** López-Gómez A.; Navarro-Martínez A.; Garre A.; Artés-Hernández F; Villalba P.; Martínez Hernández G.B.. The potential of essential oils from active packaging to reduce ethylene biosynthesis in plant products. Part 1: vegetables (broccoli and tomato). *Plants*. 186, pp. 3404 - 3417. MDPI, 12/09/2023.
DOI: 10.3390/plants12193404
Type of production: Scientific paper **Format:** Journal
Position of signature: 4
Total no. authors: 6 **Corresponding author:** No
Relevant publication: No
- 20** Martínez-Zamora L; Castillejo N.; Artés-Hernández F. Ultrasound and microwave treatments preserved quality of a pepper-based hummus enriched in mustard sprouts. *LWT- Food Science and Technology*. 185, pp. 115178 - 115187. Elsevier, 10/05/2023.
DOI: 10.1016/j.lwt.2023.115178
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
Relevant publication: No
- 21** Martínez-Zamora L; Castillejo N.; Artés-Hernández F. A photoperiod including visible spectrum LEDs increased sulforaphane in fresh-cut broccoli. *Postharvest Biology and Technology*. 200, pp. 112337 - 112346. Elsevier, 26/03/2023.
DOI: 10.1016/j.postharvbio.2023.112337
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes



Relevant publication: No

- 22** Rasines L.; Morera S.; San Miguel G.; Artés-Hernández F.; Aguayo E.. Environmental and economic sustainability of fresh-cut and pre-cooked vegetables. Science of the Total Environment - STOTEN.872, pp. 162169. Elsevier, 26/02/2023.

DOI: 10.1016/j.scitotenv.2023.162169

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 5

Corresponding author: No

Relevant publication: No

- 23** González-Tejedor G.A.; Garre A.; Egea J.A.; Aznar A.; Artés-Hernández F.; Fernández P.S.. Application of High Hydrostatic Pressure in fresh purple smoothie: microbial inactivation modelling and qualitative studies. Food Science and Technology International. 29 - 4, pp. 372 - 378. SAGE, 21/02/2023.

DOI: 10.1177/10820132221095607

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 6

Corresponding author: No

Relevant publication: No

- 24** Rasines L.; San Miguel G.; Molina-García A.; Artés-Hernández F.; Hontoria E.; Aguayo E.. Optimizing the environmental sustainability of alternative post-harvest scenarios for fresh vegetables: a case study in Spain. Science of the Total Environment - STOTEN.860 - 20, pp. 160422. Elsevier, 26/01/2023.

DOI: 10.1016/j.scitotenv.2022.160422

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 6

Corresponding author: No

Relevant publication: No

- 25** Martínez-Zamora L; Castillejo N; Artés-Hernández F. Effect of postharvest visible spectrum LED lighting on quality and bioactive compounds of tomatoes during shelf life. LWT- Food Science and Technology.174 - 4, pp. 114420. Elsevier, 14/01/2023.

DOI: 10.1016/j.lwt.2022.114420

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 3

Corresponding author: Yes

Relevant publication: No

- 26** Martínez-Zamora L; Castillejo N; Gómez P.A.; Artés F.; Artés-Hernández F. An abiotic UV-B stress on Brassicaceae seeds increased their phytochemical content on 7-days sprouts. Journal of Horticulture and Postharvest Research. 5 - 4, pp. 297 - 308. Elsevier, 04/11/2022.

DOI: 10.22077/jhpr.2022.5406.1278

Type of production: Scientific paper

Format: Journal

Position of signature: 5

Total no. authors: 5

Corresponding author: Yes

Relevant publication: No

- 27** Martínez-Zamora L; Castillejo N; Cano-Lamadrid M; Artés-Hernández F. State of the art and elucidation of postharvest LED lighting on the metabolism of Brassica sprouts. Horticulturae. 8 - 11, pp. 1065. MDPI, 20/10/2022. Available on-line at: <<https://www.mdpi.com/2304-8158/11/17/2596/htm>>.

DOI: 10.3390/horticulturae8111065

Type of production: Scientific paper

Format: Journal

**Position of signature:** 4**Total no. authors:** 4**Relevant publication:** No**Corresponding author:** Yes

- 28** Souza, M.; Artés, F; Jemni, M.; Artés-Hernández F; Martínez-Hernández, G.B.. Combined effect of UV-C and modified atmosphere packaging to preserve physicochemical and bioactive quality of fresh figs during shelf life. *Postharvest Biology and Technology*. 194, pp. 112106. Elsevier, 20/09/2022.

DOI: 10.1016/j.postharvbio.2022.112106**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 4**Relevant publication:** No**Corresponding author:** No

- 29** Martínez-Zamora L; Castillejo N; Artés-Hernández F. Ultrasounds and a postharvest photoperiod to enhance the synthesis of sulforaphane and antioxidants in rocket sprouts. *Antioxidants*. 11, pp. 1490. MDPI, 26/08/2022. Available on-line at: <<https://www.mdpi.com/2076-3921/11/8/1490/pdf>>.

DOI: 10.3390/antiox11081490**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 3**Relevant publication:** No**Corresponding author:** Yes

- 30** Artés-Hernández F; Miranda-Molina F.D.; Klug T.V; Martínez-Hernández G.B. Enrichment of glucosinolate and carotenoid contents of mustard sprouts by using green elicitors during germination. *Journal of Food Composition and Analyses*. 110, pp. 104546. Elsevier, 18/03/2022.

DOI: 10.1016/j.jfca.2022.104546**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 4**Relevant publication:** No**Corresponding author:** No

- 31** Castillejo N.; Martínez-Hernández G.B.; Artés-Hernández F. Revalorized broccoli by-products and mustard improved quality during shelf life of a kale pesto sauce. *Food Science and Technology International*. 27 - 8, pp. 734 - 745. Sage Journals, 10/12/2021.

DOI: <https://doi.org/10.1177/1082013220983100>**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 3**Relevant publication:** No**Corresponding author:** Yes

- 32** Martínez-Zamora L.; Castillejo N.; Artés-Hernández F. UV-B radiation as abiotic elicitor to enhance phytochemicals and development of red cabbage sprouts. *Horticulturae*. 7 - 12, pp. 567. MDPI, 09/12/2021.

DOI: <https://doi.org/10.3390/horticulturae7120567>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 1**Total no. authors:** 3**Relevant publication:** No**Corresponding author:** Yes

- 33** Martínez-Hernández G.B.; Gómez P.A.; García-Talavera N.V.; Artés-Hernández F; Monedero-Saiz T; Sánchez-Álvarez C.; Artés F.. Bioavailability of vitamin C and folates in plasma and its antioxidant status after consumption of raw and microwaved broccoli. *ACS Food Science & Technology*. 1, pp. 1215 - 1221. ACS, 20/08/2021.

DOI: <https://doi.org/10.1021/acsfoodscitech.1c00105>**Type of production:** Scientific paper**Format:** Journal

**Position of signature:** 4**Total no. authors:** 7**Corresponding author:** Yes

- 34** Álvarez-Hernández M.H.; Martínez-Hernández G.B.; Castillejo N.; Martínez J.A.; Artés-Hernández F. Development of an antifungal active packaging containing thymol and an ethylene scavenger. Validation during storage of cherry tomatoes. *Food Packaging and Shelf Life*. 29, pp. 100734. Elsevier, 30/07/2021.

DOI: <https://doi.org/10.1016/j.fpsl.2021.100734>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Corresponding author:** Yes

- 35** Martínez-Zamora L.; Castillejo N.; Gómez P.A.; Pennisi G.; Crepaldi A.; Fernández J.A.; Orsini F.; Artés-Hernández F.. Postharvest yellow LED lighting affects phenolics and glucosinolates biosynthesis in broccoli sprouts. *Journal of Food Composition and Analysis*. 103, pp. 104101. Elsevier, 28/07/2021.

DOI: <https://doi.org/10.1016/j.jfca.2021.104101>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 8**Total no. authors:** 8**Corresponding author:** Yes

- 36** Martínez-Zamora L.; Castillejo N.; Artés-Hernández F. Postharvest UV-B and UV-C radiation enhanced the biosynthesis of glucosinolates and isothiocyanates in brassicaceae sprouts. *Postharvest Biology and Technology*. 181, pp. 111650. Elsevier, 24/07/2021.

DOI: <https://doi.org/10.1016/j.postharvbio.2021.111650>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 3**Total no. authors:** 3**Corresponding author:** Yes

- 37** López-Gálvez F.; Gómez P.; Artés F.; Artés-Hernández F.; Aguayo E. Interactions between microbial food safety and environmental sustainability in the fresh produce supply chain. *Foods*. Special Issue "The Future of Foods: Recent Advances and Perspectives on Food Quality and Safety". 10, pp. 1655. MDPI, 19/07/2021.

DOI: <https://doi.org/10.3390/foods10071655>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 5**Corresponding author:** No

- 38** Giménez A.; Martínez-Ballesta M.C.; Egea-Gilabert C.; Gómez P.A.; Artés-Hernández F.; Pennisi G.; Orsini F.; Crepaldi A.; Fernández J.A. Combined effect of salinity and LED lights on the yield and quality of purslane (*Portulaca oleracea* L.) microgreens. *Horticulturae*. Special Issue: Managing the Product Quality of Vegetable Crops under Abiotic Stress. 7 - 7, pp. 180. MDPI, 05/07/2021.

DOI: <https://doi.org/10.3390/horticulturae7070180>**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** No

- 39** Torres-Sanchez R.; Martínez Zafra M.T.; Soto-Valles F.; Jiménez-Buendía M.; Toledo-Moreo A.; Artés-Hernández F. Design of a distributed wireless sensor platform for monitoring and real time communication the environmental variables during storage and transportation of perishable commodities. *Applied Sciences*. Special Issue: Agriculture 4.0 – The Future of Farming Technology. 11 - 13, pp. 6183. MDPI, 05/07/2021.

DOI: <https://doi.org/10.3390/app11136183>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 6**Total no. authors:** 6**Corresponding author:** Yes

- 40** López-Gálvez F.; Rasines L.; Conesa E.; Gómez P.; Artés-Hernández F.; Aguayo E. Reusable plastic crates (RPCs) for fresh produce: Sustainable packaging but potential Salmonella survival and risk of cross-contamination. *Foods*. 10 - 6, pp. 1254. MDPI, 01/06/2021.
DOI: <https://doi.org/10.3390/foods10061254>
Type of production: Scientific paper **Format:** Journal
Position of signature: 5
Total no. authors: 6 **Corresponding author:** No
- 41** Martínez-Zamora L.; Castillejo N.; Artés-Hernández F. Periodical UV-B radiation hormesis in biosynthesis of kale sprouts nutraceuticals. *Plant Physiology and Biochemistry*. 165, pp. 274 - 285. Elsevier, 26/05/2021.
DOI: <https://doi.org/10.1016/j.plaphy.2021.05.022>
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
- 42** Martínez-Zamora L.; Castillejo N.; Artés-Hernández F. Postharvest UV-B and Photoperiod with Blue + Red LEDs as Strategies to Stimulate Carotenogenesis in Bell Peppers. *Applied Sciences. Special Issue: Functional Foods and Human Health*. 11 - 9, pp. 3736. MDPI, 21/04/2021.
DOI: <https://doi.org/10.3390/app11093736>
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 3 **Corresponding author:** Yes
- 43** Pennisi G; Orsini F; Castillejo N; Gómez PA; Crepaldi A; Fernández JA; Egea-Gilabert C; Artés-Hernández F; Gianquinto G.. Spectral composition from LED lighting during storage affects nutraceuticals and safety attributes of fresh-cut red chard (*Beta vulgaris*) and rocket (*Diplotaxis tenuifolia*) leaves. *Postharvest Biology and Technology*. 175, pp. 111500. Elsevier, 15/02/2021.
DOI: <https://doi.org/10.1016/j.postharvbio.2021.111500>
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 44** Martínez-Zamora L.; Castillejo N.; Gómez P.A.; Artés-Hernández F.. Amelioration effect of LED lighting in the bioactive compounds synthesis during carrot sprouting. *Agronomy. Special Issue in 'Sprouts, Microgreens and Edible Flowers as Novel Functional Foods'*. 11 - 2, pp. 304. MDPI, 09/02/2021. ISSN 2073-4395
DOI: <https://doi.org/10.3390/agronomy11020304>
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 45** Artés-Hernández F; Robles P.A.; Gómez P.A.; Tomás-Callejas A; Artés F; Martínez-Hernández G.B. Quality changes of fresh-cut watermelon during shelf-life as affected by cut intensity and UV-C pre-treatment. *Food and Bioprocess Technology*. 14, pp. 505 - 517. 01/02/2021.
DOI: <https://doi.org/10.1007/s11947-021-02587-1>
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 6 **Corresponding author:** Yes
- 46** Castillejo N.; Martínez-Zamora L.; Gómez P.A.; Pennisi G.; Crepaldi A.; Fernández J.A.; Orsini F.; Artés-Hernández F.. Postharvest LED Lighting: effect of red, blue, and far red on quality of minimally processed broccoli sprouts. *Journal of the Science of Food and Agriculture*. 101, pp. 44 - 53. Wiley, 15/01/2021.
DOI: <https://doi.org/10.1002/jsfa.10820>
Type of production: Scientific paper **Format:** Journal
Position of signature: 8

**Total no. authors:** 8**Corresponding author:** Yes

- 47** Klug T.V.; Collado E.; Martínez-Sánchez A.; Gómez P.A.; Aguayo E.; Artés F.; Artés-Hernández F. Viability of sous vide, microwave and high pressure processing techniques on quality changes during shelf life of fresh cowpea puree. Food Science and Technology International. 26 - (8), pp. 706 - 714. SAGE Journals, 11/12/2020.

DOI: <https://doi.org/10.1177/1082013220921059>**Type of production:** Scientific paper**Format:** Journal**Corresponding author:** Yes

- 48** Martínez-Hernández G.B.; Blanco V.; Blaya-Ros P.J.; Torres-Sánchez R.; Domingo R; Artés-Hernández F.. Effects of UV-C on bioactive compounds and quality changes during shelf life of sweet cherry grown under conventional or regulated deficit irrigation. Scientia Horticulturae. 269, pp. : 109398. Elsevier, 27/07/2020.

DOI: <https://doi.org/10.1016/j.scienta.2020.109398>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 6**Total no. authors:** 6**Corresponding author:** Yes

- 49** Torres-Sánchez R; Martínez-Zafra MT; Castillejo N.; Guillamón A.; Artés-Hernández F.. Real-time monitoring system for shelf life estimation of fruit and vegetables. Sensors. Special Issue: Intelligent Sensors, IoT Technologies and the Agricultural Value Chain. 20 - 7, pp. 1860:1 - 21. MDPI, 27/03/2020.

DOI: <https://doi.org/10.3390/s20071860>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No

- 50** Collado E.; Klug T.V.; Martínez-Hernández G.B.; Artés-Hernández F.; Martínez-Sánchez A.; Aguayo E.; Artés F.; Fernández J.A.; Gómez P.A.. UV-C pretreatment of fresh-cut faba beans (vicia faba) for shelf life extension. Effects of domestic microwaving for consumption. Food Science and Technology International. 26 - 2, pp. 140 - 150. 19/02/2020.

DOI: <https://doi.org/10.1177/1082013219873227>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 4**Total no. authors:** 9**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No

- 51** Álvarez-Hernández M.H.; Martínez-Hernández G.B.; Miranda D; Ávalos-Belmontes F.; Artés-Hernández F.. Postharvest quality retention of apricots by using a novel sepiolite-loaded potassium permanganate ethylene scavenger. Postharvest Biology and Technology. 160, pp. 111061. Elsevier, 05/02/2020.

DOI: <https://doi.org/10.1016/j.postharvbio.2019.111061>**Type of production:** Scientific paper**Format:** Journal**Position of signature:** 5**Total no. authors:** 5**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes

- 52** Miranda-Molina F.D.; Valle-Guadarrama S.; Guerra-Ramírez D.; Pérez-Grajales M.; Arévalo-Galarza M.L.; Artés-Hernández F.. Quality attributes and antioxidant properties of Serrano chili pepper (Capsicum annuum L.) affected by the thermal condition in postharvest. International Food Research Journal. 26 - 6, pp. 1889 - 1898. 16/12/2019.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 6**Total no. authors:** 6**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No



- 53** Martínez-Hernández G.B.; Castillejo N; Artés-Hernández F.. Effect of fresh-cut apples fortification with lycopene microspheres, revalorized from tomato by-products, during shelf life. *Postharvest Biology and Technology*. 156, pp. 110925. Elsevier, 04/10/2019.

DOI: <https://doi.org/10.1016/j.postharvbio.2019.05.026>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

- 54** Martínez-Sánchez A.; Lozano-Pastor P.; Artés-Hernández F.; Artés F.; Aguayo E.. Preharvest UV-C treatment improves the quality of spinach primary production and postharvest storage. *Postharvest Biology and Technology*. 155, pp. 130 - 139. Amsterdam(Holland): Elsevier, 01/06/2019.

DOI: <https://doi.org/10.1016/j.postharvbio.2019.05.02>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 5

Impact source: ISI

Impact index in year of publication:

Position of publication: 3

Format: Journal

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 37

- 55** Blanco, V.; Martínez-Hernández, G.B.; Artés-Hernández, F.; Blaya-Ros, P.J.; Torres-Sánchez, R.; Domingo, R.. Water relations and quality changes throughout fruit development and shelf life of sweet cherry grown under regulated deficit irrigation. *Agricultural Water Management*. 217 - 20, pp. 243 - 254. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 20/05/2019. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0378377418319863?dgcid=author>>. ISSN 0378-3774

DOI: <https://doi.org/10.1016/j.agwat.2019.02.028>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3,182

Position of publication: 10

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRONOMY

Journal in the top 25%: Yes

No. of journals in the cat.: 87

- 56** Collado, Elena; Venzke Klug, Tammila; Martinez-Hernandez, Gines B.; Artes-Hernandez, Francisco; Martinez-Sanchez, Ascension; Aguay, Encarna; Artes, Francisco; Fernandez, Juan A.; Gomez, Perla A.. Nutritional and quality changes of minimally processed faba (*Vicia faba* L.) beans during storage: Effects of domestic microwaving. *Postharvest Biology and Technology*. 151, pp. 10 - 18. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 07/05/2019. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521418311827>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2019.01.008>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 3,112

Position of publication: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 37



- 57** Martínez-Hernández, G.B.; Álvarez-Hernández, M.H.; Artés-Hernández, F.. Browning control in high pressure-treated apple juice by cyclodextrins. Food and Bioprocess Technology. 12 - 4, pp. 694 - 703. New York NY(United States of America): Springer, 08/04/2019. Available on-line at: <<https://doi.org/10.1007/s11947-019-2242-6>>. ISSN 1935-5130

DOI: <https://doi.org/10.1007/s11947-019-2242-6>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 2,998

Position of publication: 30

Relevant publication: No

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 133

- 58** Klug, Tammila V.; Collado, Elena; Martínez-Hernández, Gines B.; Artes, Francisco; Artes-Hernández, Francisco. Effect of stevia supplementation of kale juice spheres on their quality changes during refrigerated shelf life. Journal of the Science of Food and Agriculture. 99 - 5, pp. 2384 - 2392. Hoboken NJ(United States of America): Wiley, 30/03/2019. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.9445?af=R>>. ISSN 1097-0010

DOI: <https://doi.org/10.1002/jsfa.9445>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 2,379

Position of publication: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 59** Álvarez-Hernández, M.H.; Martínez-Hernández, G.B.; Avalos-Belmontes, F.; Rodríguez-Hernández, A.M.; Castillo-Campohermoso, M.A.; Artés-Hernández, F.. An innovative ethylene scrubber made of potassium permanganate loaded on a protonated montmorillonite: a case study on blueberries. Food and Bioprocess Technology. 12 - 3, pp. 524 - 538. New York NY(United States of America): Springer, 10/03/2019. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-018-2224-0>>. ISSN 1935-5149

DOI: <https://doi.org/10.1007/s11947-018-2224-0>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,998

Position of publication: 30

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 133

- 60** Collado, Elena; Venzke Klug, Tammila; Artes-Hernandez, Francisco; Aguayo, Encarna; Artes, Francisco; Fernandez, Juan A.; Gomez, Perla A.. Quality changes in nutritional traits of fresh-cut and then microwaved cowpea seeds and pods. Food and Bioprocess Technology. 12 - 2, pp. 338 - 346. New York NY(United States of America): SPRINGER, 12/02/2019. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-018-2214-2>>. ISSN 1935-5149

DOI: <https://doi.org/10.1007/s11947-018-2214-2>

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 2,998

Position of publication: 30

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 133

- 61** Martinez-Hernandez, Gines B.; Venzke-Klug, Tammila; del Mar Carrion-Monteagudo, Maria; Artes Calero, Francisco; Lopez-Nicolas, Jose M.; Artes-Hernandez, Francisco. Effects of alpha-, beta- and maltosyl-beta-cyclodextrins use on the glucoraphanin-sulforaphane system of broccoli juice. Journal of the Science of Food and Agriculture. 99 - 2, pp. 941 - 946. Hoboken NJ(United States of America): Wiley, 30/01/2019. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.9269>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.9269>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,379

Position of publication: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 62** Ortiz-Duarte, Genesis; Eugenia Perez-Cabrera, Laura; Artes-Hernandez, Francisco; Benito Martinez-Hernandez, Gines. Ag-chitosan nanocomposites in edible coatings affect the quality of fresh-cut melon. Postharvest Biology and Technology. 147, pp. 174 - 184. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 15/01/2019. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0925521418304290>>. ISSN 1873-2356

DOI: <https://doi.org/10.1016/j.postharvbio.2018.09.021>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 3,112

Position of publication: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 37

- 63** Artés, F.; Ferchichi, A.; Namsi, A.; Harbaoui, K.; Artés-Hernández, F.; Otón, M.; Ramirez, J.; Jemni, M.. Chilling and freezing storage for keeping overall quality of "Deglet nour" dates. Journal of Agricultural Science and Technology. 21 - 1, pp. 63 - 76. Tehran(Iran): Tarbiat Modares University, 19/12/2018. Available on-line at: <http://jast-old.modares.ac.ir/article_19588.html>. ISSN 1680-7073

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 0,890

Position of publication: 27

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 57

- 64** Venzke Klug, Tammila; Benito Martinez-Hernandez, Gines; Collado, Elena; Artes, Francisco; Artes-Hernandez, Francisco. Effect of microwave and high-pressure processing on quality of an innovative broccoli hummus. Food and Bioprocess Technology. 11 - 8, pp. 1464 - 1477. New York NY(United States of America): Springer, 2018. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-018-2111-8>>. ISSN 1935-5130
DOI: <https://doi.org/10.1007/s11947-018-2111-8>
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2,998
Position of publication: 30
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 133
- 65** Gonzalez-Tejedor, Gerardo A.; Garre, Alberto; Esnoz, A.; Artes-Hernandez, F.; Fernandez, P. S.. Effect of storage conditions in the response of *Listeria monocytogenes* in a fresh purple vegetable smoothie compared with an acidified TSB medium. Food Microbiology. 72, pp. 98 - 105. London(United Kingdom): Elsevier Science BV, 2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0740002017301892>>. ISSN 1095-9998
DOI: <https://doi.org/10.1016/j.fm.2017.11.005>
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 4,090
Position of publication: 9
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 133
- 66** Klug, Tammila Venzke; Collado, Elena; Martinez-Sanchez, Ascensin; Gomez, Perla A.; Aguayo, Encarna; Oton, Mariano; Artes, Francisco; Artes-Hernandez, Francisco. Innovative quality improvement by continuous microwave processing of a faba beans pesto sauce. Food and Bioprocess Technology. 11 - 3, pp. 561 - 571. New York NY(United States of America): Springer, 2018. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-017-2024-y>>. ISSN 1935-5130
DOI: <https://doi.org/10.1007/s11947-017-2024-y>
Type of production: Scientific paper
Position of signature: 8
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 2,998
Position of publication: 30
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 133
- 67** Castillejo N.; Martínez-Hernández G.B.; Lozano-Guerrero A.J.; Pedreño-Molina J.L.; Gómez P.; Aguayo E.; Artés F.; Artés-Hernández F.. Microwave heating modelling of a green smoothie. Effects on glucoraphanin, sulforaphane and S-methyl cysteine sulfoxide changes during storage. Journal of the Science of Food and Agriculture. 98 - 5, pp. 1863 - 1872. Hoboken(United States of America): Wiley, 2018. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.8665>>. ISSN 0022-5142
DOI: <http://dx.doi.org/10.1002/jsfa.8665>
Type of production: Scientific paper
Position of signature: 8
Format: Journal

**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 2,379**Position of publication:** 8**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 68** Castillejo, Noelia; Benito Martinez-Hernandez, Gines; Goffi, Valentina; Gomez, Perla A.; Aguayo, Encarna; Artes, Francisco; Artes-Hernandez, Francisco. Natural vitamin B12 and fucose supplementation of green smoothies with edible algae and related quality changes during their shelf life. Journal of the Science of Food and Agriculture. 98 - 6, pp. 2411 - 2421. Hoboken NJ(United States of America): Wiley, 2018. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.8733>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.8733>**Type of production:** Scientific paper**Position of signature:** 7**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 2,379**Position of publication:** 8**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 69** Martinez-Hernandez, Gines B.; Castillejo, Noelia; Carrion-Monteagudo, Maria del M.; Artes, Francisco; Artes-Hernandez, Francisco. Nutritional and bioactive compounds of commercialized algae powders used as food supplements. Food Science and Technology International. 24 - 2, pp. 172 - 182. London(United Kingdom): SAGE Publications LTD, 2018. ISSN 1082-0132

DOI: <https://doi.org/10.1177/1082013217740000>**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,081**Position of publication:** 94**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 133

- 70** Formica-Oliveira, A.C.; Martínez-Hernández, G.B.; Díaz-López, V.; Artés, F.; Artés-Hernández, F.. Effects of UV-B and UV-C combination on phenolic compounds biosynthesis in fresh-cut carrots. Postharvest Biology and Technology. 127, pp. 99 - 104. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2017. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521416304380>>.

DOI: <http://dx.doi.org/10.1016/j.postharvbio.2016.12.010>**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 3,112**Position of publication:** 26**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 133



- 71** Artés-Hernández F.; Formica-Oliveira A.C.; Artés F.; Martínez-Hernández G.B.. Improved quality of a vitamin B12-fortified 'ready to blend' fresh-cut mix salad with chitosan. Food Science and Technology International. 23 - 6, pp. 513 - 528. London(United Kingdom): SAGE Publications LTD, 2017. Available on-line at: <https://journals.sagepub.com/doi/abs/10.1177/1082013217705036?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&journalCode=fstc>. ISSN 1082-0132

DOI: <http://dx.doi.org/10.1177/1082013217705036>

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1,081

Position of publication: 94

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 133

- 72** Klug, T.V.; Martínez-Sánchez, A.; Gómez, P.; Collado, E.; Aguayo, E.; Artés, F.; Artés-Hernández, F.. Improving quality of a pea puree by high hydrostatic pressure. Journal of the Science of Food and Agriculture. 97 - 13, pp. 4632 - 4369. Hoboken NJ(United States of America): Wiley, 2017. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.8454>>. ISSN 0022-5142

DOI: <http://dx.doi.org/10.1002/jsfa.8454>

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 2,379

Position of publication: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 73** Collado, E.; Klug, T.V.; Martínez-Sánchez, A.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Fernández-Hernández, J.A.; Gómez, P.. Immature pea seeds. Effect of storage under modified atmosphere packaging and sanitation with acidified sodium chlorite. Journal of the Science of Food and Agriculture. 97 - 13, pp. 4370 - 4378. Hoboken NJ(United States of America): Wiley, 2017. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.8513>>. ISSN 0022-5142

DOI: <http://dx.doi.org/10.1002/jsfa.8513>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 2,379

Position of publication: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 74** Arjmandi, M.; Otón, M.; Artés, F.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.. Microwave flow and conventional heating effects on the physicochemical properties, bioactive compounds and enzymatic activity of tomato puree. Journal of the Science of Food and Agriculture. 97 - 3, pp. 984 - 990. Hoboken NJ(United States of America): Wiley, 2017. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.7824>>. ISSN 0022-5142

DOI: <http://dx.doi.org/10.1002/jsfa.782452>

Type of production: Scientific paper

Format: Journal

**Position of signature:** 4**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 2,379**Position of publication:** 8**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 57

- 75** Lozano-Guerrero, A.J.; Artés-Hernández, F.; Pedreño-Molina, J.L.; Monzó-Cabrera, J.; Díaz-Morcillo, A.. Permittivity of fresh vegetables smoothies at radiofrequency and microwave frequencies and various temperatures. COMPEL-The International Journal for Computation and Mathematics in Electrical and Electronic Engineering. Bingley(United Kingdom): Emerald Group Publishing LTD, 2017. ISSN 0332-1649

Type of production: Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 0,534**Position of publication:** 235**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC**Journal in the top 25%:** No**No. of journals in the cat.:** 260

- 76** Martínez-Hernández G.B.; Artés-Hernández F.; Gómez P.A.; Orihuel-Iranzo B.; Bretó J.; Artés F.. Postharvest treatments to control physiological disorders and decay in lemon fruit. Journal of Food Packaging and Shelf Life. 14, pp. 34 - 39. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2017. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S2214289417300467>>. ISSN 2214-2894

DOI: <https://doi.org/10.1016/j.fpsl.2017.08.009>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3,347**Position of publication:** 19**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 133

- 77** González-Tejedor, G.; Martínez-Hernández, G.B.; Garre, A.; Egea, J.A.; Fernández, P.S.; Artés-Hernández, F.. Quality changes and shelf-life prediction of a fresh fruit and vegetables purple smoothie. Food and Bioprocess Technology. 10 - 10, pp. 1892 - 1904. New York NY(United States of America): Springer, 2017. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-017-1965-5>>. ISSN 1935-5149

DOI: <http://dx.doi.org/10.1007/s11947-017-1965-5>**Type of production:** Scientific paper**Position of signature:** 6**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 2,998**Position of publication:** 30**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 133



- 78** Aguayo, E.; Gómez, P.; Artés-Hernández, F.; Artés, F.. Tratamientos químicos desinfectantes de hortalizas de IV gama: Ozono, agua electrolizada y ácido peracético. Agrociencia Uruguay. 21 - 1, pp. 7 - 14. Colegio de Postgraduados de México, 2017. Available on-line at: <http://www.scielo.edu.uy/scielo.php?script=sci_arttext&pid=S2301-15482017000100007&lng=es>. ISSN 1510-0839

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 0,270

Position of publication: 53

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 57

- 79** Formica-Oliveira A.C; Martínez-Hernández G.B; Díaz-López V; Artés F.; Artés-Hernández F.. Use of postharvest UV-B and UV-C radiation treatments to revalorize broccoli byproducts and edible florets. Innovative Food Science and Emerging Technologies.43, pp. 77 - 83. Oxford(United Kingdom): Elsevier SCI LTD, 2017. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1466856417305817>>. ISSN 1466-8564

DOI: <https://doi.org/10.1016/j.ifset.2017.07.036>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 3,116

Position of publication: 25

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 133

- 80** Peña-Estévez, M.E.; Gómez, P.; Artés, F.; Aguayo, E.; Martínez-Hernández, G.B.; Galindo, A.; Torrecillas, A.; Artés-Hernández, F.. Changes in bioactive compounds and oxidative enzymes of fresh-cut pomegranate arils during storage as affected by deficit irrigation and postharvest vapour heat treatments. Food Science and Technology International. 22 - 8, pp. 665 - 676. London(United Kingdom): SAGE Publications LTD, 2016. Available on-line at: <https://journals.sagepub.com/doi/abs/10.1177/1082013216635323?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&journalCode=fstc>. ISSN 1082-0132

DOI: <http://dx.doi.org/10.1177/1082013216635323>

Type of production: Scientific paper

Position of signature: 8

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 0,991

Position of publication: 79

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 130

- 81** Arjmandi, M.; Otón, M.; Artés, F.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.. Continuous microwave pasteurization of a vegetable smoothie improves its physical quality and hinders detrimental enzyme activity. Food Science and Technology International. 23 - 1, pp. 36 - 45. London(United Kingdom): SAGE Publications LTD, 2016. Available on-line at: <https://journals.sagepub.com/doi/full/10.1177/1082013216654414?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed>.

DOI: <http://dx.doi.org/10.1177/1082013216654414>

Type of production: Scientific paper

Position of signature: 4

Format: Journal

**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 0,991**Position of publication:** 79**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 130

- 82** Falagán, N.; Artés, F.; Gómez, P.A.; Artés-Hernández, F.; Conejero, W.; Aguayo, E.. Deficit irrigation strategies enhance healthy compounds through the intensification of specific enzymes in early peaches. *Journal of the Science of Food and Agriculture*. 96 - 5, pp. 1803 - 1813. Hoboken NJ(United States of America): Wiley, 2016. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.7290>>. ISSN 0022-5142

DOI: <http://dx.doi.org/10.1002/jsfa.7290>.**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 2,463**Position of publication:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 56

- 83** Aguayo, E.; Falagán, N.; Artés, F.; Gómez, P.A.; Artés-Hernández, F.; Pérez-Pastor, A.; De la Rosa, J.M.. Individual phenolics and enzymatic changes in response to regulated deficit irrigation of extra-early nectarines. *Journal of the American Society for Horticultural Science*. 14 - 3, pp. 222 - 232. Alexandria VA(United States of America): American Society for Horticultural Science, 2016. ISSN 0003-1062

DOI: <http://journal.ashspublications.org/content/141/3/222.full.pdf+html>**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 1,125**Position of publication:** 60**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Agricultural Sciences**Journal in the top 25%:** Yes**No. of journals in the cat.:** 337

- 84** Castillejo N; Martínez-Hernández G.B.; Mónaco K; Gómez P.A.; Aguayo E; Artés F.; Artés-Hernández F.. Preservation of bioactive compounds of a green vegetable smoothie using short time-high temperature mild thermal treatment. *Food Science and Technology International*. 23 - 1, pp. 46 - 60. London(United Kingdom): SAGE Publications LTD, 2016. Available on-line at: <https://journals.sagepub.com/doi/full/10.1177/1082013216656240?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed>. ISSN 1082-0132

DOI: <http://dx.doi.org/10.1177/1082013216656240>**Type of production:** Scientific paper**Position of signature:** 7**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 0,991**Position of publication:** 79**Format:** Journal**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 130

- 85** Castillejo, N.; Martínez-Hernández, G.B.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. Red fresh vegetables smoothies with extended shelf life as an innovative source of health-promoting compounds. *Journal of Food Science and Technology-Mysore*. 53 - 3, pp. 1475 - 1486. New Delhi(India): Springer India, 2016. Available on-line at: <<https://link.springer.com/article/10.1007/s13197-015-2143-2>>. ISSN 0022-1155

DOI: <http://dx.doi.org/10.1007/s13197-015-2143-2>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1,262

Position of publication: 74

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 130

- 86** Arjmandi, M.; Otón, M.; Artés, F.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.. Semi-industrial microwave treatments positively affect the quality of orange-colored smoothies. *Journal of Food Science and Technology-Mysore*. 53 - 10, pp. 3695 - 3703. New Delhi(India): Springer India, 2016. Available on-line at: <<https://link.springer.com/article/10.1007/s13197-016-2342-5>>. ISSN 0022-1155

DOI: <http://dx.doi.org/10.1007/s13197-016-2342-5>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1,262

Position of publication: 74

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 130

- 87** Formica-Oliveira, A.C.; Martínez-Hernández, G.B.; Aguayo, E.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. UV-C and hyperoxia abiotic stresses to improve healthiness of carrots. Study of combined effects. *Journal of Food Science and Technology-Mysore*. 53 - 9, pp. 3465 - 3476. New Delhi(India): Springer India, 2016. Available on-line at: <<https://link.springer.com/article/10.1007/s13197-016-2321-x>>.

DOI: <http://dx.doi.org/10.1007/s13197-016-2321-x>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1,262

Position of publication: 74

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 130

- 88** Navarro-Rico, J.; Martínez-Hernández, G.B.; Gómez, P.; Otón, M.; Bernabéu, J.; Artés-Hernández, F.; Artés, F.. Vitamina C y perfil fenólico de brócoli convencional e híbrido mínimamente procesado, tratado con agua electrolizada y recubrimientos comestibles. *Revista Iberoamericana de Tecnología postcosecha*. 17 - 1, pp. 106 - 111. Asociación Iberoamericana de Tecnología Postcosecha, 2016. ISSN 1665-0204

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No



- 89** Falagán, N.; Artés, F.; Gómez, P.A.; Artés-Hernández, F.; Pérez-Pastor, A.; de la Rosa, J.M.; Aguayo, E.. Combined effects of deficit irrigation and fresh-cut processing on quality and bioactive compounds of nectarines. Horticultural Science. 42 - 3, pp. 125 - 131. Prague(Czech Republic): Czech Academy Agricultural Sciences, 2015. Available on-line at: <https://www.agriculturejournals.cz/web/hortsci.htm?type=article&id=1_2015-HORTSCI>. ISSN 0862-867X

DOI: <http://dx.doi.org/10.17221/1/2015-HORTSCI>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 0,436

Position of publication: 23

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - HORTICULTURE

Journal in the top 25%: No

No. of journals in the cat.: 34

- 90** Martínez-Hernández, G.B.; Navarro-Rico, J.; Gómez, P.A.; Otón, M.; Artés, F.; Artés-Hernández, F.. Combined sustainable sanitising treatments to reduce Escherichia coli and Salmonella enteritidis growth on fresh-cut kailan-hybrid broccoli. Food Control. 47, pp. 312 - 317. Oxford(United Kingdom): Elsevier Science LTD, 2015. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0956713514004149>>. ISSN 0956-7135

DOI: <https://doi.org/10.1016/j.foodcont.2014.07.029>

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3,388

Position of publication: 15

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 125

- 91** Falagán, N.; Artés, F.; Artés-Hernández, F.; Gómez, P.A.; Pérez-Pastor, A.; Aguayo, E.. Comparative study on postharvest performance of nectarines grown under regulated deficit irrigation. Postharvest Biology and Technology. 110, pp. 24 - 32. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2015. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521415300594>>. ISSN 0925-5214

DOI: <http://dx.doi.org/10.1016/j.postharvbio.2015.07.011>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,618

Position of publication: 26

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 125

- 92** Artés, F.; Artés-Hernández, F.; Aguayo, E.; Gómez, P.A.. Cálculos frigoríficos en industrias pequeñas y artesanales de productos mínimamente procesados de IV y V-gamas. Revista Iberoamericana de Tecnología postcosecha. 16 - 2, pp. 152 - 157. Asociación Iberoamericana de Tecnología Postcosecha, 2015. ISSN 1665-0204

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 93** Falagán, N.; Artés, F.; Gómez, P.A.; Artés-Hernández, F.; Conejero, W.; Aguayo, E.. Deficit irrigation strategies combined with controlled atmosphere preserve quality in early peaches. Food Science and Technology International. 21 - 7, pp. 547 - 556. London(United Kingdom): SAGE Publications LTD, 2015. Available on-line at: <https://journals.sagepub.com/doi/abs/10.1177/1082013214553997?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Aacrossref.org&journalCode=fstc>. ISSN 1082-0132

DOI: <https://doi.org/10.1177/1082013214553997>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 0,991

Position of publication: 75

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 125

- 94** Aguayo, E.; Artés-Hernández, F.; Gómez, P.. Factores precosecha que afectan la calidad nutricional y sensorial de los productos de IV y V Gama. Revista Iberoamericana de Tecnología postcosecha. 85, pp. 18 - 31. Sociedad Agronómica de Chile, 2015. ISSN 0037-5403

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 95** Martínez-Hernández, G.B.; Huertas, J.P.; Navarro-Rico, J.; Gómez, P.A.; Artés, F.; Palop, A.; Artés-Hernández, F.. Inactivation kinetics of foodborne pathogenes by UV-C radiation and its subsequent growth in fresh-cut kailan-hybrid broccoli. Food Microbiology. 46, pp. 263 - 271. London(United Kingdom): Elsevier Science LTD, 2015. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S074000201400207X?via%3Dihub>>. ISSN 0740-0020

DOI: <https://doi.org/10.1016/j.fm.2014.08.008>

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 3,682

Position of publication: 12

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 125

- 96** Conesa, M.R.; De la Rosa, J.M.; Artés-Hernandez, F.; Dodd, I.; Domingo, R.; Pérez-Pastor, A.. Long-term impact of deficit irrigation on the physical quality of 'Crimson Seedless' table grapes. Journal of the Science of Food and Agriculture. 95 - 12, pp. 2510 - 2520. Hoboken NJ(United States of America): Wiley, 2015. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.6983>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.6983>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 2,076

Position of publication: 6

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

- 97** Martínez-Hernández, G.B.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. Nutritional quality changes throughout shelf life of fresh-cut kalia-hybrid and 'parthenon' broccoli as affected by temperature and atmosphere composition. Food Science and Technology International. 21 - 1, pp. 14 - 23. London(United Kingdom): SAGE Publications LTD, 2015. Available on-line at: <https://journals.sagepub.com/doi/abs/10.1177/1082013213502352?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&journalCode=fstc>. ISSN 1082-0132

Type of production: Scientific paper

Format: Journal

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Impact index in year of publication: 0,991

Journal in the top 25%: No

Position of publication: 7

No. of journals in the cat.: 125

- 98** Peña-Estévez, M.E.; Gómez, P.; Aguayo, E.; Martínez-Hernández, G.B.; Galindo, A.; Artés, F.; Artés-Hernández, F.. Quality changes of fresh-cut pomegranate arils during shelf life as affected by deficit irrigation and postharvest vapour treatments. Journal of the Science of Food and Agriculture. 95 - 11, pp. 2325 - 2336. Hoboken NJ(United States of America): Wiley, 2015. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.6954>

Type of production: Scientific paper

Format: Journal

Position of signature: 7

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 7

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Impact index in year of publication: 2,076

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 57

- 99** Jemni, M.; Otón, M.; Ramírez, J.G.; Artés-Hernández, F.; Chaira, N.; Ferchichi, A.; Artés, F.. Conventional and emergent sanitizers decreased Ectomyelois ceratoniae infestation and maintained quality of date palm after shelf-life. Postharvest Biology and Technology. 87, pp. 33 - 41. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2014. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521413002482>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2013.08.002>

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 7

Corresponding author: No

Impact source: ISI

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Impact index in year of publication: 2,233

Journal in the top 25%: Yes

Position of publication: 26

No. of journals in the cat.: 123

- 100** Navarro-Rico, J.; Artés-Hernández, F.; Gómez, P.A.; Núñez-Sánchez, M.A.; Artés, F.; Martínez-Hernández, G.B.. Neutral and acidic electrolysed water kept microbial quality and health promoting compounds of fresh-cut broccoli throughout shelf life. Innovative Food Science & Emerging Technologies. 21, pp. 74 - 81. Oxford(United Kingdom): Elsevier Science LTD, 2014. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1466856413001744>>. ISSN 1466-8564

DOI: <https://doi.org/10.1016/j.ifset.2013.11.004>

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 6

Corresponding author: No

**Impact source:** ISI**Impact index in year of publication:** 3,273**Position of publication:** 10**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 123

- 101** Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.A.; Formica, A.C.; Artés, F.. Combination of electrolysed water, UV-C and superatmospheric O₂ packaging for improving fresh-cut broccoli quality. *Postharvest Biology and Technology*. 76, pp. 125 - 134. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521412002177>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2012.09.013>**Type of production:** Scientific paper**Position of signature:** 2**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 123**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 2,628**Position of publication:** 20

- 102** Maghoumi, M.; Gómez, P.A.; Artés-Hernández, F.; Mostofi, Y.; Zamani, Z.; Artés, F.. Combined effect of heat treatment, UV-C and superatmospheric oxygen packaging on antioxidant and browning related enzymes of fresh-cut pomegranate arils. *LWT - Food Science and Technology*. 54 - 2, pp. 389 - 396. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0023643813002120>>. ISSN 0023-6438

DOI: <https://doi.org/10.1016/j.lwt.2013.06.006>**Type of production:** Scientific paper**Position of signature:** 3**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 123**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 2,468**Position of publication:** 26

- 103** Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.A.; Artés, F.. Comparative behavior between kailan-hybrid and conventional fresh-cut broccoli throughout shelf life. *LWT - Food Science and Technology*. 50 - 1, pp. 298 - 305. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0023643812002277>>. ISSN 0023-6438

DOI: <https://doi.org/10.1016/j.lwt.2012.05.010>**Type of production:** Scientific paper**Position of signature:** 2**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 123**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 2,468**Position of publication:** 26

- 104** Peña-Estévez, M.E.; Artés-Hernández, F.; Aguayo, E.; Martínez-Hernández, G.B.; Galindo, A.; Artés, F.; Gómez, P.. Effect of sustained deficit irrigation on physicochemical properties, bioactive compounds and postharvest life of pomegranate fruit (cv. 'Mollar de Elche'). *Postharvest Biology and Technology*. 86,

pp. 171 - 180. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521413002019>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2013.06.034>

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 2,628

Position of publication: 20

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 123

- 105** Maghoumi, M.; Gómez, P.A.; Artés-Hernández, F.; Mostofi, Y.; Zamani, Z.; Artés, F.. Hot water, UV-C and superatmospheric oxygen packaging as hurdle techniques for keeping overall quality of fresh-cut pomegranate arils. *Journal of the Science of Food and Agriculture*. 93 - 5, pp. 1162 - 1168. Hoboken NJ(United States of America): Wiley, 2013. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.5868>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.5868>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1,879

Position of publication: 7

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 56

- 106** Martínez-Hernández, G.B.; Gómez, P.A.; García-Talavera, N.V.; Artés-Hernández, F.; Sánchez-Álvarez, C.; Artés, F.. Human metabolic fate of glucosinolates from kailan-hybrid broccoli. Differences between raw and microwaved consumption. *Food Research International*. 53 - 1, pp. 403 - 408. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0963996913002755>>. ISSN 0963-9969

DOI: <https://doi.org/10.1016/j.foodres.2013.05.002>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3,050

Position of publication: 14

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 123

- 107** Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.A.; Artés, F.. Induced changes in bioactive compounds of kailan-hybrid broccoli after innovative processing and storage. *Journal of Functional Foods*. 5 - 1, pp. 133 - 143. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1756464612001429>>. ISSN 1756-4646

DOI: <https://doi.org/10.1016/j.jff.2012.09.004>

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No



Impact index in year of publication: 4,480
Position of publication: 5

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes
No. of journals in the cat.: 123

- 108** Martínez-Hernández, G.B.; Artés-Hernández, F.; Colares-Souza, F.; Gómez, P.A.; García-Gómez, P.; Artés, F.. Innovative cooking techniques for improving the overall quality of a kailan-hybrid broccoli. Food and Bioprocess Technology. 6 - 8, pp. 2135 - 2149. New York NY(United States of America): Springer, 2013. Available on-line at: <<https://link.springer.com/article/10.1007/s11947-012-0871-0>>. ISSN 1935-5130

DOI: <https://doi.org/10.1007/s11947-012-0871-0>

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Food Science

Journal in the top 25%: Yes

No. of journals in the cat.: 123

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 3,126

Position of publication: 12

- 109** Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.A.; Artés, F.. Quality changes after vacuum-based and conventional industrial cooking of kailan-hybrid broccoli throughout retail cold storage. LWT - Food Science and Technology. 50 - 2, pp. 707 - 714. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2013. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0023643812002988>>. ISSN 0023-6438

DOI: <https://doi.org/10.1016/j.lwt.2012.07.014>

Type of production: Scientific paper

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Food Science

Journal in the top 25%: Yes

No. of journals in the cat.: 123

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 2,468

Position of publication: 26

- 110** Tomás-Callejas, A.; Artés, F.; López-Velasco, G.; Artés-Hernández, F.. Acidified sodium chlorite optimization assessment to improve quality of fresh-cut tatsoi baby leaves. Journal of the Science of Food and Agriculture. 92 - 4, pp. 877 - 885. Hoboken NJ(United States of America): Wiley, 2012. Available on-line at: <<https://onlinelibrary.wiley.com/doi/full/10.1002/jsfa.4664>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.4664>

Type of production: Scientific paper

Position of signature: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 57

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1,1759

Position of publication: 6

- 111** Tomás-Callejas, A.; López-Gálvez, F.; Sbodio, A.; Artés, F.; Artés-Hernández, F.; Suslow, T.V.. Chlorine dioxide and chlorine effectiveness to prevent Escherichia coli O157:H7 and Salmonella cross-contamination on fresh-cut Red Chard. Food Control. 23 - 2, pp. 325 - 332. Oxford(United Kingdom): Elsevier Science LTD, 2012. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0956713511002957>>. ISSN 0956-7135

DOI: <https://doi.org/10.1016/j.foodcont.2011.07.022>

**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 2,738**Position of publication:** 18**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 124

- 112** López-Velasco, G.; Tomás-Callejas, A.; Sbodio, A.; Artés-Hernández, F.; Suslow, T.V.. Chlorine dioxide dose, water quality and temperature affect the oxidative status of tomato processing water and its ability to inactivate Salmonella. Food Control. 26 - 1, pp. 28 - 35. Oxford(United Kingdom): Elsevier Science LTD, 2012. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0956713511005573>>. ISSN 0956-7135

DOI: <https://doi.org/10.1016/j.foodcont.2011.12.016>**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 2,738**Position of publication:** 18**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 124

- 113** Tomás-Callejas, A.; Otón, M.; Artés, F.; Artés-Hernández, F.. Combined effect of UV-C pretreatment and high oxygen packaging for keeping the quality of fresh-cut tatsoi baby leaves. Innovative Food Science & Emerging Technologies. 14, pp. 115 - 121. Oxford(United Kingdom): Elsevier Science LTD, 2012. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1466856411001512>>. ISSN 1466-8564

DOI: <https://doi.org/10.1016/j.ifset.2011.11.007>**Type of production:** Scientific paper**Position of signature:** 4**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 2,528**Position of publication:** 23**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 124

- 114** Tomás-Callejas, A.; López-Velasco, G.; Veladez, A.; Sbodio, A.; Artés-Hernández, F.; Danyluk, M.; Suslow, T.V.. Evaluation of critical operating standards for chlorine dioxide in disinfection of dump tank and flume for fresh tomatoes. Journal of Food Protection. 75 - 2, pp. 304 - 313. Des Moines IA(United States of America): International Association for Food Protection, 2012. Available on-line at: <<https://jfoodprotection.org/doi/10.4315/0362-028X.JFP-11-347>>. ISSN 0362-028X

DOI: <https://doi.org/10.4315/0362-028X.JFP-11-347>**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 1,832**Position of publication:** 44**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 124



- 115** Martínez-Hernández, G.B.; Gómez Di Marco, P.; García-Talavera, N.; Artés-Hernández, F.; Sánchez-Álvarez, C.; Artés, F.. Un nuevo híbrido natural entre brócoli y kailan con mayor absorción de compuestos quimiopreventivos en humanos. *Nutrición clínica y dietética hospitalaria*. 32 - 2, pp. 37 - 38. Sociedad española de Dietética, 2012. ISSN 1989-208X

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 6

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 116** Tomás-Callejas, A.; Boluda, M.; Robles, P.A.; Artés, F.; Artés-Hernández, F.. Innovative active modified atmosphere packaging improves overall quality of fresh-cut red chard baby leaves. *LWT - Food Science and Technology*. 44: - 6, pp. 1422 - 1428. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2011. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S002364381100034X>>. ISSN 0023-6438

DOI: <https://doi.org/10.1016/j.lwt.2011.01.020>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 2,545

Position of publication: 18

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 128

- 117** Martínez-Hernández, G.B.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. Moderate UV-C pretreatment as a quality enhancement tool in fresh-cut Bimi® broccoli. *Postharvest Biology and Technology*. 62 - 3, pp. 327 - 337. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2011. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521411001657>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2011.06.015>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: SCOPUS

Impact index in year of publication: 2,411

Position of publication: 23

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 128

- 118** Tomás-Callejas, A.; Martínez-Hernández, G.B.; Artés, F.; Artés-Hernández, F.. Neutral and acidic electrolyzed water as emergent sanitizers for fresh-cut mizuna baby leaves. *Postharvest Biology and Technology*. 59 - 3, pp. 298 - 306. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2011. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521410002218>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2010.09.013>

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 2,411

Position of publication: 23

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 128

- 119** Tomás-Callejas, A.; López-Velasco, G.; Sbodio, A.; Artés, F.; Artés-Hernández, F.; Suslow, T.V.. Survival and epidemiology of *Escherichia coli* on diverse fresh-cut baby leafy greens under model preharvest to postharvest conditions. *International Journal of Food Microbiology*. 151 - 2, pp. 216 - 222. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2011. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0168160511005150?via%3Dihub>>. ISSN 0168-1605
DOI: <https://doi.org/10.1016/j.ijfoodmicro.2011.08.027>
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3,327
Position of publication: 9
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 120** Artés, F.; Gómez, P.; Artés-Hernández, F.; Aguayo, E.. Innovaciones en el mantenimiento de la calidad y seguridad alimentaria de los productos hortícolas mínimamente procesados. *Revista Iberoamericana de Tecnología postcosecha*. 11 - 1, pp. 66 - 68. Asociación Iberoamericana de Tecnología Postcosecha, 2010. ISSN 1665-0204
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 121** Tomás-Callejas, A.; Martínez-Hernández, G.B.; Spooren, R.; Artés, F.; Artés-Hernández, F.. La desinfección con agua electrolizada preserva la calidad microbiológica, nutritiva y sensorial de brotes de mizuna mínimamente procesados en fresco. *Revista Iberoamericana de Tecnología postcosecha*. 11 - 2, pp. 204 - 213. Asociación Iberoamericana de Tecnología Postcosecha, 2010. ISSN 1665-0204
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 122** Artés-Hernández, F.; Robles, P.A.; Gómez, P.A.; Tomás-Callejas, A.; Artés, F.. Low UV-C illumination for keeping overall quality of fresh-cut watermelon. *Postharvest Biology and Technology*. 55 - 2, pp. 114 - 120. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2010. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521409001975>>. ISSN 0925-5214
DOI: <https://doi.org/10.1016/j.postharvbio.2009.09.002>
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2,256
Position of publication: 23
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 123** Rodríguez-Hidalgo, S.; Artés-Hernández, F.; Gómez, P.A.; Fernández, J.A.; Artés, F.. Quality of fresh-cut baby spinach grown under a floating trays system as affected by nitrogen fertilisation and innovative packaging treatments. *Journal of the Science of Food and Agriculture*. 90 - 6, pp. 1089 - 1097. Hoboken NJ(United States of America): Wiley, 2010. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.3926>>. ISSN 0022-5142
DOI: <https://doi.org/10.1002/jsfa.3926>

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,360**Position of publication:** 9**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 55

- 124** Artés-Hernández, F.; Escalona, V.H.; Robles, P.A.; Martínez-Hernández, G.B.; Artés, F.. Effect of UV-C radiation on quality of minimally processed spinach leaves. *Journal of the Science of Food and Agriculture*. 89 - 3, pp. 414 - 421. Hoboken NJ(United States of America): Wiley, 2009. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.3460>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.3460>**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,386**Position of publication:** 6**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 45

- 125** Artés-Hernández, F.; Aguayo, E.; Artés, F.; Tomás-Barberán, F.A.. Enriched ozone atmosphere enhances bioactive phenolics in seedless table grapes after prolonged shelf life. *Journal of the Science of Food and Agriculture*. 87:, pp. 824 - 831. Hoboken NJ(United States of America): Wiley, 2007. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.2780>>. ISSN 0022-5142

DOI: <https://doi.org/10.1002/jsfa.2780>**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 1,304**Position of publication:** 6**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - AGRICULTURE, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 35

- 126** Vigneault, C.; Artés-Hernández, F.. Gas treatments for increasing fruit and vegetable phytochemical contents. *Stewart Postharvest Review*. 3, pp. 1 - 9. Stewart Postharvest Solutions, 2007. ISSN 1745-9656

Type of production: Scientific paper**Position of signature:** 2**Total no. authors:** 2**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes

- 127** Conesa, A.; Artés-Hernández, F.; Geysen, S.; Nicolai, B.; Artés, F.. High oxygen combined with high carbon dioxide improves microbial and sensory quality of fresh-cut peppers. *Postharvest Biology and Technology*. 43 - 2, pp. 230 - 237. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2007. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521406002225>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2006.08.016>**Type of production:** Scientific paper**Position of signature:** 2**Format:** Journal

**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,590**Position of publication:** 29**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 103

- 128** Artés, F.; Gómez, P.A.; Artés-Hernández, F.. Physical, physiological and microbial deterioration of minimally fresh processed fruits and vegetables. Food Science and Technology International. 13 - 3, pp. 177 - 188. London(United Kingdom): SAGE Publications LTD, 2007. Available on-line at: <<https://journals.sagepub.com/doi/abs/10.1177/1082013207079610>>. ISSN 1082-0132

DOI: <https://doi.org/10.1177/1082013207079610>**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 0,632**Position of publication:** 65**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 103

- 129** Artés-Hernández, F.; Rivera-Cabrera, F.; Kader, A.A.. Quality retention and potential shelf life of fresh-cut lemons as affected by cut type and temperature. Postharvest Biology and Technology. 43 - 2, pp. 245 - 254. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2007. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521406002304>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2006.09.009>**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 1,590**Position of publication:** 29**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 103

- 130** Conesa, A.; Verlinden, B.E.; Artés-Hernández, F.; Nicolai, B.; Artés, F.. Respiration rates of fresh-cut bell peppers under supertamospheric and low oxygen combined or not with high carbon dioxide. Postharvest Biology and Technology. 45 - 1, pp. 81 - 88. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2007. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521407000324>>. ISSN 0925-5214

DOI: <https://doi.org/10.1016/j.postharvbio.2007.01.011>**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,590**Position of publication:** 29**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Food Science**Journal in the top 25%:** No**No. of journals in the cat.:** 103

- 131** Artés, F.; Gómez, P.A.; Artés-Hernández, F.. Modified atmosphere packaging of fruits and vegetables: A review. *Stewart Postharvest Review*. 5, pp. 1 - 13. Stewart Postharvest Solutions, 2006. ISSN 1745-9656
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 3
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 132** Artés-Hernández, F.; Tomás-Barberán, F.A.; Artés, F.. Modified atmosphere packaging preserves quality of free SO₂ 'Superior seedless' table grapes. *Postharvest Biology and Technology*. 38 - 2, pp. 146 - 154. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2006. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521405002140>>. ISSN 0925-5214
DOI: <https://doi.org/10.1016/j.postharvbio.2005.10.006>
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 1,892
Position of publication: 17
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 96
- 133** Escalona, V.H.; Artés-Hernández, F.; Artés, F.. Gas composition and temperature affects quality of fresh-cut fennel. *HortScience*. 40 - 3, pp. 737 - 739. Alexandria VA(United States of America): American Society for Horticultural Science, 2005. Available on-line at: <<https://journals.ashs.org/hortsci/view/journals/hortsci/40/3/article-p737.xml>>. ISSN 0018-5345
DOI: <https://doi.org/10.21273/HORTSCI.40.3.737>
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 0,574
Position of publication: 12
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - HORTICULTURE
Journal in the top 25%: No
No. of journals in the cat.: 21
- 134** Artés-Hernández, F.; Aguayo, E.; Artés, F.. Alternative atmosphere treatments for keeping quality of 'Autumn seedless' table grapes during long-term cold storage. *Postharvest Biology and Technology*. 31 - 1, pp. 59 - 67. Amsterdam, Noord-Holland(Holland): Elsevier Science BV, 2004. Available on-line at: <<https://www.sciencedirect.com/science/article/abs/pii/S0925521403001169>>. ISSN 0925-5214
DOI: 10.1016/S0925-5214(03)00116-9
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 1,714
Position of publication: 12
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 94



- 135** Artés-Hernández, F.; Artés, F.; Tomás-Barberán, F.A.. Quality and enhancement of bioactive phenolics in Cv. Napoleon table grapes exposed to different postharvest gaseous treatments. *Journal of Agricultural and Food Chemistry*. 51 - 18, pp. 5290 - 5295. Washington DC(United States of America): American Chemical Society, 2003. Available on-line at: <<https://pubs.acs.org/doi/abs/10.1021/jf030037d>>. ISSN 0021-8561

DOI: 10.1021/jf030037d

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 2,102

Position of publication: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 94

- 136** Artés, F.; Escalona, V.H.; Artés-Hernández, F.. Modified atmosphere packaging of fennel. *Journal of Food Science*. 64 - 4, pp. 1550 - 1554. Hoboken NJ(United States of America): Wiley, 2002. Available on-line at: <<https://onlinelibrary.wiley.com/doi/pdf/10.1111/j.1365-2621.2002.tb10320.x>>. ISSN 0022-1147

DOI: <https://doi.org/10.1111/j.1365-2621.2002.tb10320.x>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 1,188

Position of publication: 21

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 92

- 137** Artés, F.; Escalona, V.H.; Artés-Hernández, F.. Quality and physiological changes of fennel under controlled atmosphere storage. *European Food Research and Technology*. 214(3), pp. 216 - 220. New York NY(United States of America): 2002. Available on-line at: <<https://link.springer.com/article/10.1007/s00217-001-0432-7>>. ISSN 1438-2377

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 1,021

Position of publication: 27

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 92

- 138** Artés, F.; Escalona, V.H.; Artés-Hernández, F.; Luchsinger, L.. Conservación de hinojo bajo atmósfera modificada. *Revista Iberoamericana de Tecnología postcosecha*. 2, pp. 194 - 199. Asociación Iberoamericana de Tecnología Postcosecha, 2000. ISSN 1665-0204

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 139** Artés, F.; Artés-Hernández, F.; Tudela, J.A.; Villaescusa, R.. Conservación de uva de mesa tardía en atmósfera modificada. *Revista Iberoamericana de Tecnología postcosecha*. 2, pp. 189 - 193. Asociación Iberoamericana de Tecnología Postcosecha, 2000. ISSN 1665-0204

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No

- 140** Artés-Hernández F.; Castillejo N.; Riquelme A.; Artés F.. Fertirrigación con sulfato cálcico para atenuar la necrosis periestilar en la mandarina Orri. Levante Agrícola. 453, pp. 183 - 186. Ediciones LAV, 16/11/2020.

Type of production: Popular science article**Corresponding author:** No

- 141** Artés-Hernández F.; Castillejo N.; Riquelme A.; Artés F.. Evolución de la madurez y la calidad de la mandarina orri fertirrigada con sulfato cálcico. Revista Agricultura - Dossier cítricos. 1037, pp. 36 - 39. Editorial Agrícola., 23/03/2020.

Type of production: Popular science article**Format:** Journal**Corresponding author:** No

- 142** Gómez, P.A.; Collado, E.; Venzke-Klug, T.; Artés-Hernández, F.; Aguayo, E.; Martínez, A.; Artés, F.; Fernández, J.A.. Nuevos alimentos de leguminosas autóctonas para promover su consumo seguro y de calidad en un entorno sostenible. CTC Alimentación. 67, pp. 18 - 23. Centro Tecnológico Nacional de la Conserva y Alimentación, 2017. ISSN 1577-5917

Type of production: Popular science article**Format:** Journal**Position of signature:** 4**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee**Total no. authors:** 8**Corresponding author:** No

- 143** Artés-Hernández, F.; Martínez-Hernández, G.B.; Aguayo, E.; Gómez, P.A.; Castillejo, N.; Artés, F.; Arjmandi, M.; Formica-Oliveira, C.; González-Tejedor, G.; Otón, M.; Pedreño, J.L.; Lozano, A.; Martínez-López, J.A.. Smoothies: Nueva moda saludable de consumo de productos hortofrutícolas con elevado valor nutritivo. Retos tecnológicos para la industria. CTC Alimentación. 65, pp. 4 - 10. Centro Tecnológico Nacional de la Conserva y Alimentación, 2017. ISSN 1577-5917

Type of production: Popular science article**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee**Total no. authors:** 13**Corresponding author:** No

- 144** Artés-Hernández, F.. Factores de riesgo en el transporte del banano. Revista Agroentorno. 1, pp. 12 - 15. Publicación del sector agroexportador de Costa Rica, 2016.

Type of production: Popular science article**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee**Total no. authors:** 1**Corresponding author:** Yes

- 145** Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.; Artés, F.. Innovaciones recientes en tratamientos postcosecha de cítricos. Revista Agricultura. 989, pp. 79 - 81. Editorial Agrícola, 2015. ISSN 0002-1334

Type of production: Popular science article**Format:** Journal**Position of signature:** 2**Degree of contribution:** Author or co-author of article in journal without external admissions assessment committee**Total no. authors:** 4**Corresponding author:** No



- 146** Peña, M.; Artés-Hernández, F.; Aguayo, E.; Galindo, A.; Artés, F.; Gómez, P.. Granadas de alta calidad y con propiedades beneficiosas para el consumidor mediante tratamientos ecosostenibles de pre y postcosecha. Horticultura. 311, pp. 84 - 87. Interempresas, 2014. ISSN 1578-8881

Type of production: Popular science article

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

Total no. authors: 6

- 147** Truque, E.; Águila, D.; Gómez, P.A.; Aguayo, E.; Otón, M.; Conesa, M.R.; Pérez-Pastor, A.; Artés-Hernández, F.; Artés, F.. Conservación de uva 'Crimson Seedless' bajo atmósfera controlada tras su cultivo en riego deficitario. Horticultura. 306, pp. 66 - 69. Interempresas, 2013. ISSN 1578-8881

Type of production: Popular science article

Position of signature: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

Total no. authors: 9

- 148** Artés, F.; Velázquez, P.; Artés-Hernández, F.. Reducción de podredumbres y desórdenes fisiológicos en naranjas almacenadas a temperaturas subóptimas con tratamientos combinados. Levante Agrícola. pp. 172 - 176. Ediciones LAV, 2013. ISSN 0457-6039

Type of production: Popular science article

Position of signature: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

Total no. authors: 3

- 149** Martínez-Hernández, G.B.; Artés-Hernández, F.; Navarro-Rico, J.; Gómez, P.A.; Nuñez, M.A.; Artés, F.. Técnicas desinfectantes eco-innovadoras para preservar o potenciar los compuestos bioactivos en brócoli mínimamente procesado en fresco. Horticultura Internacional. 306, pp. 38 - 41. 2013. ISSN 1132-2950

Type of production: Popular science article

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

Total no. authors: 6

- 150** Martínez-Hernández, G.B.; Artés-Hernández, F.; Bernabéu, J.; García-Gómez, P.; Gómez, P.A.; Artés, F.. Técnicas innovadoras de cocinado bajo vacío en hortalizas de quinta gama. Caso práctico del brócoli BIMÍ. CTC Alimentación. 54, pp. 8 - 14. Centro Tecnológico Nacional de la Conserva y Alimentación, 2013. ISSN 1577-5917

Type of production: Popular science article

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

Total no. authors: 6

- 151** Robles, P.A.; Artés-Hernández, F.; Tomás-Callejas, A.; Garre, J.; Artés, F.. Fortalecimiento de la capacidad antioxidante de las frutas y hortalizas durante su conservación refrigerada. CTC Alimentación. 41, pp. 26 - 34. Centro Tecnológico Nacional de la Conserva y Alimentación, 2009. ISSN 1577-5917

Type of production: Popular science article

Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

Total no. authors: 5



- 152** Artés, F.; Artés-Hernández, F.. Innovaciones en técnicas de procesado para facilitar el consumo de hortalizas y frutas. CTC Alimentación. 51, pp. 9 - 15. Centro Tecnológico Nacional de la Conserva y Alimentación, 2009. ISSN 1577-5917

Type of production: Popular science article

Position of signature: 2

Total no. authors: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 153** Artés-Hernández, F.; Aguayo, E.; Gómez, P.A.; Artés, F.. Innovaciones tecnológicas para preservar la calidad de los productos vegetales mínimamente procesados o de la "cuarta gama". Horticultura Internacional. 69, pp. 52 - 57. 2009. ISSN 1132-2950

Type of production: Popular science article

Position of signature: 1

Total no. authors: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

- 154** Tomás-Callejas, A.; Bariain, N.; López, J.J.; Robles, P.A.; Artés, F.; Artés-Hernández, F.. Radiación UV-C en brotes de hortalizas foliáceas. Una alternativa a la desinfección con cloro en el procesado mínimo en fresco. Alimentación Equipos y Tecnología. 231, pp. 46 - 49. 2008. ISSN 0212-1689

Type of production: Popular science article

Position of signature: 6

Total no. authors: 6

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 155** Artés-Hernández, F.; Artés, F.. Alternativas de conservación comercial de la uva de mesa. La Tienda de Frutas y Hortalizas. 6, pp. 26 - 27. 2007.

Type of production: Popular science article

Position of signature: 1

Total no. authors: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

- 156** Gómez, P.A.; Artés-Hernández, F.; Aguayo, E.; Escalona, V.H.; Artés, F.. Problemática de los alimentos vegetales mínimamente procesados en fresco. Phytoma. 189, pp. 124 - 129. Phytoma España, 2007. ISSN 1131-8988

Type of production: Popular science article

Position of signature: 2

Total no. authors: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No

- 157** Aguayo, E.; Escalona, V.H.; Gómez, P.A.; Artés-Hernández, F.; Artés, F.. Técnicas emergentes y sostenibles para la desinfección de frutas y hortalizas mínimamente procesadas. Phytoma. 189, pp. 138 - 142. Phytoma España, 2007. ISSN 1131-8988

Type of production: Popular science article

Position of signature: 4

Total no. authors: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: No



- 158** Artés, F.; Gómez, P.; Artés-Hernández, F.. Evolución de los ácidos orgánicos en uva de mesa "Autumn seedless" durante su conservación frigorífica y comercialización. Alimentaria. 350, pp. 115 - 117. Ediciones y Publicaciones Alimentarias EYPASA, 2004. ISSN 0300-5755

Type of production: Popular science article

Position of signature: 3

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 159** Artés, F.; Aguayo, E.; Artés-Hernández, F.. Evolución de los ácidos orgánicos en uva de mesa "Autumn seedless" durante su conservación frigorífica y comercialización. Mercados. 51, pp. 14 - 15. Lameyer S.L., 2004.

Type of production: Popular science article

Position of signature: 3

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 160** Artés, F.; Artés-Hernández, F.. Reducción de daños por frío en la refrigeración hortofrutícola. Alimentación Equipos y Tecnología. 186, pp. 56 - 64. 2004. ISSN 0212-1689

Type of production: Popular science article

Position of signature: 2

Total no. authors: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 161** Artés, F.; Gómez, P.; Artés-Hernández, F.. Alteraciones físicas, fisiológicas y microbianas de frutas y hortalizas procesadas en fresco. Alimentaria. 335, pp. 69 - 74. Ediciones y Publicaciones Alimentarias EYPASA, 2002. ISSN 0300-5755

Type of production: Popular science article

Position of signature: 3

Total no. authors: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 162** Artés, F.; Tudela, J.A.; Thilinguirian, D.; Artés-Hernández, F.. Effects of high carbon dioxide shocks and continuous treatments during cold storage on sweet cherry sensorial quality. Revue Générale Du Froid. 1021, pp. 17 - 21. 2002. ISSN 1958-4490

Type of production: Popular science article

Position of signature: 4

Total no. authors: 4

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes

- 163** Artés, F.; Artés-Hernández, F.. Fundamentos y diseño de instalaciones para procesado en fresco de hortalizas. Alimentación Equipos y Tecnología. 3, pp. 135 - 141. 2000. ISSN 0212-1689

Type of production: Popular science article

Position of signature: 2

Total no. authors: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Corresponding author: Yes



- 164** Artés, F.; Artés-Hernández, F.. Innovaciones industriales en el procesado mínimo de frutas y hortalizas. CTC Alimentación. 7, pp. 29 - 33. Centro Tecnológico Nacional de la Conserva y Alimentación, 2000. ISSN 1577-5917
Type of production: Popular science article
Position of signature: 2
Total no. authors: 2
Format: Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee
Corresponding author: Yes
- 165** Artés, F.; Artés-Hernández, F.. Innovaciones industriales en el procesado mínimo de frutas y hortalizas. Levante Agrícola. 352, pp. 239 - 243. Ediciones LAV, 2000. ISSN 0457-6039
Type of production: Popular science article
Position of signature: 2
Total no. authors: 2
Format: Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee
Corresponding author: Yes
- 166** Castillejo, N.; Martínez-Hernández, G.B.; Gómez, P.A.; Aguayo, E.; Bernabéu, J.; Artés, F.; Artés-Hernández, F.. Bioactive compounds changes of a green vegetable smoothie after thermal treatments and during shelf life. Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues. 1194, pp. 935 - 940. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.132>>. ISBN 9789462611900
Type of production: Book chapter
Position of signature: 7
Total no. authors: 7
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 167** González-Tejedor, G.; Artés-Hernández, F.; Fernández, P.S.. Characterization and epiphytic microbial load changes of a fresh vegetables purple smoothie during shelf life. Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues. 1194, pp. 569 - 574. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.82>>. ISBN 9789462611900
Type of production: Book chapter
Position of signature: 2
Total no. authors: 3
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 168** Martínez-Hernández, G.B.; Navarro-Rico, J.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.. Emerging sanitizing techniques on inoculated fresh-cut Bimi® broccoli. Acta Horticulturae: II International Conference on Quality Management of Fresh Cut Produce. 1209, pp. 353 - 358. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1209.52>>. ISBN 9789462612068
Type of production: Book chapter
Position of signature: 5
Total no. authors: 5
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 169** Formica-Oliveira A.C.; Martínez-Hernández, G.B.; Díaz-López, V.; Otón, M.; Artés, F.; Artés-Hernández, F.. High hydrostatic pressure treatments for keeping quality of orange coloured vegetables smoothies. Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues. 1194, pp. 575 - 580. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.83>>. ISBN 9789462611900
Type of production: Book chapter
Position of signature: 6
Total no. authors: 6
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes

- 170** Niñirola, D.; Egea-Gilabert, C.; Conesa, E.; Artés-Hernández, F.; Martínez, J.A.; Artés, F.; Fernández, J.A.. Influence of aeration of the nutrient solution on the quality changes of two baby leaf lettuce cultivars grown in a floating system at harvest and during shelf life as fresh-cut product. *Acta Horticulturae: II International Conference on Quality Management of Fresh Cut Produce*. 1209, pp. 445 - 452. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1209.65>>. ISBN 9789462612068
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 7
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 171** Martínez-Hernández, G.B.; Gómez, P.A.; Orihuel, B.; Artés-Hernández, F.; Artés, F.. Innovative and sustainable postharvest treatments to control physiological disorders and decay in lemon fruit during long transport and commercialization. *Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues*. 1194, pp. 235 - 240. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.35>>. ISBN 9789462611900
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 172** Collado, E.; Artés-Hernández, F.; Aguayo, E.; Navarro, L.; Artés, F.; Fernández, J.; Gómez, P.A.. Overall quality of minimally processed faba bean seeds stored in MAP. *Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues*. 1194, pp. 513 - 518. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.75>>. ISBN 9789462611900
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 7
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 173** Jemni, M.; Ramírez, J.G.; Otón, M.; Artés-Hernández, F.; Harbaoui, K.; Namsi, A.; Ferchichi, A.; Artés, F.. Passive modified atmosphere packaging and chilling storage for keeping overall quality of dates. *Acta Horticulturae: VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues*. 1194, pp. 673 - 680. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1194.96>>. ISBN 9789462611900
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 8
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 174** Peña Estevez, M.E.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Gómez, P.A.. Postharvest quality of whole and fresh-cut pomegranates cultivated under deficit irrigation. *Acta Horticulturae: II International Conference on Quality Management of Fresh Cut Produce*. 1209, pp. 265 - 270. International Society for Horticultural Science, 2018. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2018.1209.38>>. ISBN 9789462612068
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 175** Artés-Hernández, F.; Martínez-Hernández, G.B.; Aguayo, E.; Gómez, P.A.; Artés, F.. Fresh-cut fruit and vegetables: emerging eco-friendly techniques for preserving quality and safety. *Postharvest Handling*. InTechOpen, 2017. Available on-line at: <<https://www.intechopen.com/books/postharvest-handling/fresh-cut-fruit-and-vegetables-emerging-eco-friendly-techniques-for-sanitation-and-preserving-safety>>. ISBN 978-953-51-5480-8



Type of production: Book chapter

Position of signature: 1

Total no. authors: 5

Format: Book

Degree of contribution: Author or co-author of chapter in book

- 176** Gómez, P.A.; Robles, P.A.; Tomás-Callejas, A.; Otón, M.; Artés, F.; Artés-Hernández, F.. UV-C light preserves quality of minimally processed watermelon cylinders. *Acta Horticulturae: V International Symposium on Cucurbits*. 1151, pp. 279 - 286. International Society for Horticultural Science, 2017. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2017.1151.43>>. ISBN 9789462611474

Type of production: Book chapter

Position of signature: 6

Total no. authors: 6

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

- 177** Martínez-Hernández, G.B.; Gómez, P.A.; Artés-Hernández, F.; Artés, F.. Innovative industrial cooking of broccoli for improving health-promoting compounds. *Broccoli: Cultivation, Nutritional properties and effects on health*. pp. 299 - 333. Nova Science Publishers, inc., 2016. ISBN 978-1-63484-313-3

Type of production: Book chapter

Position of signature: 3

Total no. authors: 4

Format: Book

Degree of contribution: Author or co-author of chapter in book

Corresponding author: No

- 178** Collado, E.; Artés-Hernández, F.; Navarro, L.; Artés, F.; Aguayo, E.; Fernández, J.A.; Gómez, P.A.. Overall quality of minimally processed pea seeds. *Acta Horticulturae: III ISHS International Conference on Fresh-cut Produce*. 1141, pp. 137 - 144. International Society for Horticultural Science, 2016. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2016.1141.15>>. ISBN 9789462611290

Type of production: Book chapter

Position of signature: 2

Total no. authors: 7

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 179** Castillejo, N.; Martínez-Hernández, G.B.; Gómez, P.A.; Artés, F.; Aguayo, E.; Sánchez-Álvarez, C.; Artés-Hernández, F.. Test of a respiration model for a celery plants modified atmosphere packaging system at commercial pallet scale. *Acta Horticulturae: III ISHS International Conference on Fresh-cut Produce*. 1141, pp. 145 - 152. International Society for Horticultural Science, 2016. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2016.1141.16>>. ISBN 9789462611290

Type of production: Book chapter

Position of signature: 7

Total no. authors: 7

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

- 180** Falagán, N.; Aguayo, E.; Gómez, P.A.; Artés-Hernández, F.; Conejero, W.; Otón, M.; Artés, F.. Combining MAP, deficit irrigation and antibrowning treatment for keeping quality of fresh-cut peaches. *Acta Horticulturae: XI International Controlled and Modified Atmosphere Research Conference*. 1071 - 2, pp. 779 - 786. International Society for Horticultural Science, 2015. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2015.1071.69>>. ISBN 9789462610620

Type of production: Book chapter

Position of signature: 4

Total no. authors: 7

Format: Book

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

- 181** Navarro-Rico J.; Martínez-Hernández G.B.; Gómez, P.; Artés, F.; Artes-Hernández, F.. Effect of edible coatings and electrolyzed water sanitation on fresh-cut Bimi broccoli quality. *Acta Horticulturae: XI International Controlled and Modified Atmosphere Research Conference*. 1071, pp. 463 - 470. International Society for Horticultural Science, 2015. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2015.1071.59>>. ISBN 9789462610620

Type of production: Book chapter

Format: Book

Position of signature: 5

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

Corresponding author: Yes

- 182** Navarro-Rico, J.; Artes-Hernández, F.; Gómez, P.A.; Otón, M.; Galindo, A.; Cruz, N.Z.; Torrecillas, A.; Artés, F.. Quality changes of chinese jujube from deficit irrigation stored in controlled atmosphere. *Acta Horticulturae: XI International Controlled and Modified Atmosphere Research Conference (ISHS 2003)*. 1071 - 2, pp. 503 - 510. International Society for Horticultural Science, 2015. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2015.1071.65>>. ISBN 9789462610620

Type of production: Book chapter

Format: Book

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 8

Corresponding author: No

- 183** Baldassarre, V.; Navarro-Rico, J.; Amodio, M.L.; Artés-Hernández, F.; Colelli, G.. Shelf-life of rocket leaves stored in argon-enriched atmospheres. *Acta Horticulturae: III International Symposium on Applications of Modelling as an Innovative Technology in the Agri-Food Chain; MODEL-IT*. 1071 - 2, pp. 779 - 786. International Society for Horticultural Science, 2015. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2015.1071.103>>. ISBN 9789462610620

Type of production: Book chapter

Format: Book

Position of signature: 4

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

Corresponding author: No

- 184** Falagán, N.; Aguayo, E.; Gómez, P.A.; Artés-Hernández, F.; Conejero, W.; Artés, F.. Impact of storage temperature on quality of early-ripening peaches cultivated under deficit irrigation. *Avances en Ciencias y Técnicas del Frío VII*. pp. 889 - 893. SECYTEF, 2014. ISBN 978-84-617-1304-2

Type of production: Book chapter

Format: Book

Position of signature: 4

Total no. authors: 5

- 185** Artés-Hernández, F.; Gómez, P.; Aguayo, E.; Tomás-Callejas, A.; Artés, F.. Sustainable Processing of Fresh-Cut Fruit and Vegetables. *Sustainable Food Processing*. 10, pp. 219 - 268. John Wiley & Sons, Ltd., 2014. ISBN 978-0-4706-7223-5

Type of production: Book chapter

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 5

- 186** Navarro, J.; Martínez-Hernández, G.B.; Gómez, P.; Artés-Hernández, F.; Artés, F.. Vida útil del brócoli Bimi mínimamente procesado desinfectado con ácido peracético y agua ozonizada. *Avances en Ciencias y Técnicas del Frío VII*. pp. 917 - 923. SECYTEF, 2014. ISBN 978-84-617-1304-2

Type of production: Book chapter

Format: Book

Position of signature: 4

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 5

- 187** Artés, F.; Aguayo, E.; Gómez, P.; Artés-Hernández, F.. Chilling and coadjutants for optimizing the postharvest quality and safety of fruit and vegetables. *Advanced Techniques for Research and Development in Food and Agriculture*. pp. 152 - 163. TAIDA-ESTIA-UPCT, 2013. ISBN 978-84-695-8326-5
Type of production: Book chapter
Position of signature: 4
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of chapter in book
- 188** Falagán, N.; Aguayo, E.; Peña-Estévez, M.E.; Gómez, P.; Artes-Hernández, F.; Artés, F.. Combining deficit irrigation strategies and controlled atmosphere to maintain bioactive compounds in nectarine. *Acta Horticulturae: VII International Postharvest Symposium*. 1012, pp. 97 - 102. International Society for Horticultural Science, 2013. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2013.1012.6>>. ISBN 9789066057265
Type of production: Book chapter
Position of signature: 5
Total no. authors: 6
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 189** Gómez, P.; Artés-Hernández, F.; Aguayo, E.; Artés, F.. Condiciones óptimas para el transporte marítimo hortofrutícola entre Latinoamérica y Europa. *Desafíos y Oportunidades Tecnológicas en el Intercambio Comercial Hortofrutícola América Latina-Europa. Monitorización del Transporte Frigorífico*. 4 - 1, pp. 2 - 15. RED FRUTURA, 2013. ISBN 978-84-697-0184-3
Type of production: Book chapter
Position of signature: 2
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of chapter in book
- 190** Gómez, P.; Artés-Hernández, F.; Aguayo, E.; Artés, F.. Desverdización de los cítricos y del pimiento. *Modelización de las condiciones de transporte y conservación prolongada en frutas y hortalizas*. 5 - 8, pp. 66 - 88. RED FRUTURA, 2013. ISBN 978-84-697-0186-7
Type of production: Book chapter
Position of signature: 2
Total no. authors: 4
Format: Book
Degree of contribution: Author or co-author of chapter in book
- 191** Martínez-HErnández, G.B.; Formica, A.C.; Gómez, P.; Navarro-Rico, J.; Falagán, N.; Artés, F.; Artes-Hernández, F.. Extending the shelf life of the new Bimi® broccoli by controlled atmosphere storage. *Acta Horticulturae: VII International Postharvest Symposium*. 1012, pp. 925 - 932. International Society for Horticultural Science, 2013. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2013.1012.124>>. ISBN 9789066057265
Type of production: Book chapter
Position of signature: 7
Total no. authors: 7
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 192** Martínez-HErnández, G.B.; Formica, A.C.; Gómez, P.; Navarro-Rico, J.; Falagán, N.; Artés, F.; Artes-Hernández, F.. Extending the shelf life of the new Bimi® broccoli by controlled atmosphere storage. *Acta Horticulturae: VII International Postharvest Symposium*. 1012, pp. 925 - 932. International Society for Horticultural Science, 2013. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2013.1012.124>>. ISBN 9789066057265
Type of production: Book chapter
Position of signature: 7
Total no. authors: 7
Format: Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes



- 193** Martínez-Hernández, G.B.; Gómez, P.; Artés, F.; Artés-Hernández, F.. New broccoli varieties with improved health benefits and suitability for the fresh-cut and fifth range industries: An opportunity to increase its consumption. Brassicaceae: Characterization, Functional Genomics and Health Benefits. 3, pp. 67 - 92. Nova Science Publishers, Inc., 2013. ISBN 978-1-62808-856-4

Type of production: Book chapter

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 4

- 194** Gómez, P.; Artés, F.; Artés Hernández, F.; Otón, M.; Aguayo, E.. Reducción de la pérdida de calidad en frutos manipulados en líneas industriales de confección. Modelización de las condiciones de transporte y conservación prolongada en frutas y hortalizas. 3 - 6, pp. 81 - 93. RED FRUTURA, 2013. ISBN 978-84-697-0186-7

Type of production: Book chapter

Format: Book

Position of signature: 3

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 5

- 195** Artés-Hernández, F.; Aguayo, E.; Gómez, P.; Artés, F.. Technology and engineering of minimally processed products. Advanced Techniques for Research and Development in Food and Agriculture. pp. 182 - 192. TAIDA-ESTIA-UPCT., 2013. ISBN 978-84-695-8326-5

Type of production: Book chapter

Format: Book

Position of signature: 1

Degree of contribution: Author or co-author of chapter in book

Total no. authors: 4

- 196** Artés-Hernández, F.; Gómez, P.; Artés, F.. Unit processing operations used in minimally processed horticultural products: Quality and safety preservation. Food Quality and Safety. pp. 35 - 52. Springer Verlag, 2013. ISBN 978-3-7091-1639-5

Type of production: Book chapter

Format: Book

Position of signature: 1

Total no. authors: 3

- 197** Peña-Estévez, M.E.; Artes-Hernández, F.; Galindo, A.; Aguayo, E.; Falagán, N.; Artés, F.; Gómez, P.. Vitamin C, antioxidant activity and phenolics compounds of fresh-cut pomegranates cultivated under deficit irrigation strategy. Acta Horticulturae: VII International Postharvest Symposium. 1012, pp. 113 - 120. International Society for Horticultural Science, 2013. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2013.1012.8>>. ISBN 9789066057265

Type of production: Book chapter

Format: Book

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 7

Corresponding author: No

- 198** Gómez, P.; Robles, P.A.; Braun, J.; Artes-Hernández, F.; Fernández, J.A.; Artés, F.. Combined technologies to inhibit enzymatic browning and preserve quality of fresh-cut artichoke hearts. Acta Horticulturae: VII International Symposium on Artichoke, Cardoon and Their Wild Relatives. 942, pp. 385 - 390. International Society for Horticultural Science, 2012. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2012.942.56>>. ISBN 9789066056749

Type of production: Book chapter

Format: Book

Position of signature: 4

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 6

Corresponding author: No

- 199** Truque, E.; Aguayo, E.; Artes-Hernández, F.; Gómez, P.; Otón, M.; Artés, F.. Controlled atmosphere for the export of 'Miraflores' peaches. *Acta Horticulturae: VII International Peach Symposium*. 962, pp. 585 - 590. International Society for Horticultural Science, 2012. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2012.962.79>>. ISBN 9789066056152
- Type of production:** Book chapter
Position of signature: 3
Total no. authors: 6
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 200** Artés, F.; Gómez, P.; Aguayo, E.; Artés-Hernández, F.. Modified atmosphere packaging. *Handbook of Food Safety Engineering*. 22, pp. 543 - 573. Blackwell Publishing Ltd., 2012. ISBN 978-1-4443-3334-3
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 4
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 201** Artés, F.; Gómez, P.; Tomás-Callejas, A.; Artés-Hernández, F.. Sanitation of fresh-cut fruit and vegetables: New trends, methods and impacts. *Potable water and sanitation*. pp. 1 - 36. Nova Science Publishers, 2011. ISBN 978-1-61122-677-5
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 4
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 202** Gómez, P.; Artes-Hernández, F.; Artés, F.. Controlled atmospheres effects on sugar content of green celery. *Acta Horticulturae: IX International Controlled Atmosphere Research Conference*. 857, pp. 31 - 35. International Society for Horticultural Science, 2010. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2010.857.2>>. ISBN 9789066051799
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 3
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 203** Artés-Hernández, F.; Gomez, P.; Artés, F.. Fisiologia postraccolta e tecnologia degli ortaggi di IV gamma. *Valutazione della qualità di ortaggi di IV gamma. Analisi non distruttive durante la shelf life*. pp. 19 - 46. ARACNE editrice S.r.l., 2010. ISBN 978-88-548-2930-5
- Type of production:** Book chapter
Position of signature: 1
Total no. authors: 3
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 204** Robles, P.A.; Tomás-Callejas, A.; Escalona, V.H.; Artés, F.; Artes-Hernández, F.. High helium controlled atmosphere storage decreases microbial growth and preserves quality on fresh-cut mizuna baby leaves. *Acta Horticulturae: VI International Postharvest Symposium*. 887, pp. 663 - 668. International Society for Horticultural Science, 2010. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2010.877.87>>. ISBN 9789066056138
- Type of production:** Book chapter
Position of signature: 5
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes

- 205** Artes-Hernández, F.; Conesa, A.; Artés, F.. Minimally fresh processed pepper under different kind of cuts. Acta Horticulturae: IX International Controlled Atmosphere Research Conference. 857, pp. 25 - 30. International Society for Horticultural Science, 2010. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2010.857.1>>. ISBN 9789066051799
- Type of production:** Book chapter
Position of signature: 1
Total no. authors: 3
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 206** Artés, F.; Gómez, P.; Artés-Hernández, F.. Pérdida de calidad y su control en productos mínimamente procesados en fresco. Aspectos nutricionales y sensoriales de vegetales frescos cortados. pp. 17 - 41. TRILLAS, 2010. ISBN 978-607-17-0414-6
- Type of production:** Book chapter
Position of signature: 3
Total no. authors: 3
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 207** Rodríguez-Hidalgo, S.; Artes-Hernández, F.; Gómez, P.; Fernández, J.A.; Artés, F.. Quality changes on minimally processed purslane baby leaves growth under floating trays system. Acta Horticulturae: VI International Postharvest Symposium. 887, pp. 641 - 648. International Society for Horticultural Science, 2010. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2010.877.84>>. ISBN 9789066056138
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 208** Artés-Hernández, F.; Gómez, P.; Aguayo, E.; Artés, F.. Technological innovations to preserve quality and safety of fresh-cut horticultural products. Environmentally friendly and safe technologies for quality of fruits and vegetables. pp. 192 - 200. Universidade do Algarve, 2010. ISBN 978-989-8472-01-4
- Type of production:** Book chapter
Position of signature: 1
Total no. authors: 4
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 209** Artés, F.; Artés-Hernández, F.. Tecnología de productos mínimamente procesados en fresco. Manejo postcosecha de productos hortofrutícolas. pp. 105 - 129. Colegio de Postgraduados, 2010. ISBN 978-607-7533-62-7
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 2
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 210** Tomás-Callejas, A.; Boluda, M.; Robles, P.A.; Artés, F.; Artes-Hernández, F.. Vitamin C and chlorophylls retention on minimally fresh processed red chard baby leaves packed in non-conventional modified atmosphere. Acta Horticulturae: VI International Postharvest Symposium. 877, pp. 707 - 714. International Society for Horticultural Science, 2010. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2010.877.93>>. ISBN 9789066056138
- Type of production:** Book chapter
Position of signature: 5
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 211** Artés-Hernández, F.; Artés, F.. Modificación de la atmósfera y otras alternativas a los agroquímicos para preservar la calidad de los cítricos en su frigoconservación. Tópicos en calidad y postcosecha de frutos. pp. 93 - 109. IAC, Fundag e Fapesp., 2008. ISBN 978-85-85564-15-5

**Type of production:** Book chapter**Position of signature:** 1**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 2

- 212** Artés, F.; Gómez, P.; Artes-Hernández, F.; Aguayo, E.; Escalona, V.H.. Improved strategies for keeping overall quality of fresh-cut produce. *Acta Horticulturae: International Conference on Quality Management of Fresh Cut Produce (QMFCP2007)*. 746, pp. 245 - 258. International Society for Horticultural Science, 2007. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2007.746.27>>. ISBN 9789066054080

Type of production: Book chapter**Position of signature:** 3**Format:** Book**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Total no. authors:** 5

- 213** Rodríguez-Hidalgo, S.; Artés-Hernández, F.; Aguayo, E.; Artés, F.. Retención de clorofilas en hojas de colleja (*Silene vulgaris*) cultivada en bandejas flotantes y mínimamente procesada en fresco. II Congreso Iberoamericano de Ciências e Técnicas do Frio, CYTEF. 2007. ISBN 978-972-8826-16-1

Type of production: Book chapter**Position of signature:** 2**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 4

- 214** Artés F.; Conesa A.; López-Rubira, V.; Artés-Hernández F.. UV-C treatments for improving microbial quality in whole and minimally processed bell peppers. The use of UV as a postharvest treatment: Status and prospects. pp. 12 - 17. Antalya Kros Ofset - Yakup Kublay, 2007. ISBN 975-01009-0-5

Type of production: Book chapter**Position of signature:** 4**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 4

- 215** Artés-Hernández F.; Conesa A.; Artés, F.. Elaboración de pimiento mínimamente procesado en fresco. *Compendios de horticultura. Pimientos*. Cap 11, pp. 131 - 138. Ediciones de Horticultura S.L., 2006. ISBN 84-87729-54-1

Type of production: Book chapter**Position of signature:** 1**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 3

- 216** Tudela, J.A.; Luchsinger, L.; Artes-Hernández, F.; Artés, F.. 'Ambrunés' sweet cherry quality factors change during ripening. *Acta Horticulturae: IV International Cherry Symposium (ISHS 2004)*. 667, pp. 529 - 534. International Society for Horticultural Science, 2005. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2005.667.78>>. ISBN 906605459X

Type of production: Book chapter**Position of signature:** 3**Format:** Book**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Total no. authors:** 4

- 217** Artés-Hernández F.; Artés F.. Concepción y ejecución de instalaciones industriales para el procesado mínimo en fresco de productos vegetales. *Nuevas tecnologías de conservación de productos vegetales frescos cortados*. 25, pp. 456 - 472. CIAD-CYTED-CONACYT, 2005. ISBN 968-5862-060

Type of production: Book chapter**Position of signature:** 1**Format:** Book**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 2

- 218** Escalona, V.H.; Ortega, F.; Artes-Hernández, F.; Aguayo, E.; Artés, F.. Test of a respiration model for a celery plants modified atmosphere packaging system at commercial pallet scale. *Acta Horticulturae: III International Symposium on Applications of Modelling as an Innovative Technology in the Agri-Food Chain; MODEL-IT*. 674, pp. 545 - 551. International Society for Horticultural Science, 2005. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2005.674.69>>. ISBN 9789066055186
- Type of production:** Book chapter
Position of signature: 4
Total no. authors: 5
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 219** Artés F.; Artés-Hernández F.. Tratamientos postrecolección del tomate fresco. *Tendencias e Innovaciones. Tomates. Producción y comercio*. Cap:10, pp. 109 - 120. Ediciones de Horticultura S.L., 2004. ISBN 84-87729-48-7
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 2
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 220** Allende, A.; Padilla, E.; Artes-Hernández, F.; Artés, F.. Changes in microbial and sensory quality of fresh processed UV-C treated 'Lollo Rosso' lettuce. *Acta Horticulturae: XXVI International Horticultural Congress: Issues and Advances in Postharvest Horticulture (ISHS 2003)*. 628, pp. 753 - 759. International Society for Horticultural Science, 2003. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2003.628.95>>. ISBN 9066054786
- Type of production:** Book chapter
Position of signature: 3
Total no. authors: 4
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 221** Artes-Hernández, F.; Villaescusa, R.; Tudela, J.A.; Artés, F.. Combined effect of modified atmosphere packaging and hexanal or hexenal fumigation during long-term cold storage of table grapes. *Acta Horticulturae: VIII International Controlled Atmosphere Research Conference (ISHS 2003)*. 600, pp. 401 - 404. International Society for Horticultural Science, 2003. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2003.600.58>>. ISBN 9066059168
- Type of production:** Book chapter
Position of signature: 1
Total no. authors: 4
- Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 222** Artés F.; Artés-Hernández F.. Daños por frío en la postrecolección de frutas y hortalizas. *Avances en Ciencias y Técnicas del Frío*. 1, pp. 299 - 310. UPCT y SECYTEF, 2003. ISBN 84-95781-17-4
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 2
- Format:** Book
- 223** Artés F.; Artés-Hernández F.. Etapas decisivas y diseño de instalaciones para la elaboración de productos procesados en fresco. *Productos Hortofrutícolas Mínimamente Procesados*. pp. 57 - 78. ., 2003. ISBN 84-606-3514-7
- Type of production:** Book chapter
Position of signature: 2
Total no. authors: 2
- Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 224** Artés-Hernández, F.; Aguayo, E.; Artés, F.. Ethylene production and respiration rates of harvested white seedless table grape. *Biology and Biotechnology of the plant hormone ethylene III*. 349 (I), pp. 432 - 433. NATO Sciences Series, 2003. ISBN 1-58603-346-8
- Type of production:** Book chapter
Format: Book

**Position of signature:** 1**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 3

- 225** Tudela, J.A.; Artes-Hernández, F.; Villaescusa, R.; Artés, F.. High carbon dioxide during cold storage for keeping strawberry quality. Acta Horticulturae: VIII International Controlled Atmosphere Research Conference (ISHS 2003). 600, pp. 201 - 204. International Society for Horticultural Science, 2003. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2003.600.26>>. ISBN 9066059168

Type of production: Book chapter**Format:** Book**Position of signature:** 2**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Corresponding author:** No

- 226** Gómez, P.A.; Conesa, A.; Artés-Hernández, F.; Méndez, M.; Aguayo, E.; Artés, F.. Influencia de la desverdización en la calidad del pimiento recolectado en dos estados de madurez. Maduración y Postrecolección. pp. 369 - 372. CSIC, 2003. ISBN 84-00-08185-4

Type of production: Book chapter**Format:** Book**Position of signature:** 3**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 6

- 227** Artés, F.; Artés-Hernández, F.. Principios y diseño de industrias de procesado en fresco de hortalizas. Envasado y comercialización de frutas y hortalizas mínimamente procesadas. pp. 65 - 92. Gobierno de la Rioja, 2003. ISBN 84-8125-208-5

Type of production: Book chapter**Format:** Book**Position of signature:** 2**Total no. authors:** 2

- 228** Artes-Hernández, F.; Allende, A.; Artés, F.. Sugar composition changes in 'Autumn Seedless' table grape during long term cold storage. Acta Horticulturae: VIII International Controlled Atmosphere Research Conference (ISHS 2003). 628, pp. 363 - 366. International Society for Horticultural Science, 2003. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2003.628.44>>. ISBN 9066054786

Type of production: Book chapter**Format:** Book**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 3**Corresponding author:** No

- 229** Artés, F.; Tudela, J.A.; Artes-Hernández, F.; Marín, J.G.. High carbon dioxide effects on keeping quality of sweet cherry. Acta Horticulturae: IV International Conference on Postharvest Science (ISHS 2001). 553, pp. 663 - 664. International Society for Horticultural Science, 2001. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2001.553.159>>. ISBN 9066058447

Type of production: Book chapter**Format:** Book**Position of signature:** 3**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Corresponding author:** No

- 230** Artés, F.; Tudela, J.A.; Villaescusa, R.; Marín, J.G.; Artes-Hernández, F.. Modified atmosphere packaging of strawberry under self-adhesive films. Acta Horticulturae: V International Symposium on Protected Cultivation in Mild Winter Climates: Current Trends for Sustainable Technologies (ISHS 2001). 559, pp. 805 - 809. ISHS 2001. Acta Horticulturae: V International Symposium on Protected Cultivation in Mild Winter Climates: Current Trends for Sustainable Technologies. <https://doi.org/10.17660/ActaHortic.2001.559.120> International Society for Horticultural Science, 2001. Available on-line at: <<https://doi.org/10.17660/ActaHortic.2001.559.120>>. ISBN 9066059346

Type of production: Book chapter**Format:** Book



Position of signature: 5

Total no. authors: 5

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

- 231** Artés-Hernández, F.; Gómez, P.; Aguayo, E.; Escalona, V.H.; Tomás-Callejas, A.; Artés, F.. Empleo de atmósferas controladas en el tratamiento cuarentenario durante el transporte frigorífico marítimo de limón a Japón y EEUU.3 - 4, pp. 30 - 42. RED FRUTURA, 2010.

Type of production: Scientific book or monograph

Position of signature: 1

Total no. authors: 6

Format: Book

Degree of contribution: Author or co-author of chapter in book

- 232** Artés, F.; Gómez, P.; Artés-Hernández, F.; Aguayo, E.; Escalona, V.; Tomás-Callejas. Tratamiento cuarentenario en atmósfera controlada durante el transporte frigorífico. 1 - 8, pp. 63 - 80. RED FRUTURA, 2010.

Type of production: Scientific book or monograph

Position of signature: 3

Total no. authors: 6

Format: Book

Degree of contribution: Author or co-author of chapter in book

- 233** Artés-Hernández F.. Innovaciones en la conservación frigorífica de uva de mesa apirena y convencional. Alternativas al empleo de SO₂. pp. 379 pp. Madrid, EspañaProQuest Information and Learning España., 2006. ISBN 0-542-40919-4

Type of production: Scientific book or monograph

Format: Book

- 234** Artés-Hernández F; Martínez-Zamora L; Cano-Lamadrid M., Eco-Friendly Postharvest Technologies to Preserve or Enhance Quality and Safety of Fruit and Vegetable Products. FOODS. 13 - 10, pp. 1939 - 1943. MDPI, 08/06/2024. DOI: 10.3390/foods13121939

Type of production: Scientific edition

Position of signature: 3

Total no. authors: 3

Relevant publication: No

Format: Journal

Corresponding author: Yes

- 235** Cano-Lamadrid M.,; Martínez-Zamora L; Mozafari L; Bueso M.C.; Kessler M.; Artés-Hernández F. Response Surface Methodology to optimize the extraction of carotenoids from horticultural by-products. A systematic review.FOODS. 12, pp. 4456 - 4476. MDPI, 12/12/2023. DOI: 10.3390/foods12244456

Type of production: Review

Position of signature: 6

Total no. authors: 6

Relevant publication: No

Format: Journal

Corresponding author: Yes

- 236** Martínez-Zamora L; Cano-Lamadrid M.,; Artés-Hernández F; Castillejo N.. Flavonoid extracts from lemon by-products as a functional ingredient for new foods. A systematic review.FOODS. 12 - 9, pp. 3687 - 3704. MDPI, 08/10/2023. DOI: 10.3390/foods12193687

Type of production: Review

Position of signature: 3

Total no. authors: 4

Relevant publication: No

Format: Journal

Corresponding author: No

- 237** Artés-Hernández F; Martínez-Zamora L; Cano-Lamadrid M; Hashemi S.; Castillejo N. Genus brassica By-Products Revalorization with Green Technologies to Fortify Innovative Foods: A scoping review. Foods. 12 - 3, pp. 561. MDPI, 01/02/2023.

**DOI:** 10.3390/foods12030561**Type of production:** Review**Format:** Journal**Position of signature:** 1**Total no. authors:** 5**Corresponding author:** Yes**Relevant publication:** No

- 238** Álvarez-Hernández M.H.; Martínez-Hernández G.B.; Ávalos-Belmontes F.; Castillo- Campohermoso M.A.; Contreras-Esquivel J.C.; Artés-Hernández F.. Potassium permanganate-based ethylene scavengers as an active packaging system for fresh horticultural produce. Food Engineering Reviews. 11 - 3, pp. 159 - 183. Springer Link, 03/09/2019.

DOI: 10.1007/s12393-019-09193-0**Type of production:** Review**Format:** Journal**Position of signature:** 6**Total no. authors:** 6**Corresponding author:** Yes

- 239** Hazel Alvarez-Hernandez, Marianela; Artes-Hernandez, Francisco; Avalos-Belmontes, Felipe; Antonio Castillo-Campohermoso, Marco; Carlos Contreras-Esquivel, Juan; Margarita Ventura-Sobrevilla, Janeth; Benito Martinez-Hernandez, Gines. Current scenario of adsorbent materials used in ethylene scavenging systems to extend fruit and vegetable postharvest life. Food and Bioprocess Technology. 11 - 3, pp. 511 - 525. New York NY(United States of America): Springer, 2018. ISSN 1935-5130

DOI: 10.1007/s11947-018-2076-7**Type of production:** Review**Format:** Journal**Position of signature:** 2**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 7**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Impact index in year of publication:** 2,998**Journal in the top 25%:** Yes**Position of publication:** 30**No. of journals in the cat.:** 133

Works submitted to national or international conferences

- 1** **Title of the work:** Physiological and morphological improvement of red cabbage after application of UV-B during sprouting.

Name of the conference: Virtual 3rd UV4PLANTS Network Meeting**Corresponding author:** Yes**City of event:** Kiel, Germany,**Date of event:** 13/10/2020**End date:** 16/10/2020**Organising entity:** UV4PLANTS Network**City organizing entity:** Kiel, Germany

Martínez-Zamora L; Castillejo N; Artés-Hernández F.

- 2** **Title of the work:** Los germinados como alimentos ricos en compuestos bioactivos

Name of the conference: VII Congreso IDIES**Type of participation:** 'Participatory - poster**City of event:** Murcia,**Date of event:** 18/05/2020**Organising entity:** Academia de Ciencias de la Región de Murcia.

Carrillo-Sánchez Ana María; García-Cánovas Almudena; , García-Trigueros Celia María; Castillejo Noelia; Gutiérrez-González Cristina; Pérez-Valero Francisco Javier; Francisco Artés-Hernández. pp. 63 - 65.

- 3** **Title of the work:** Influencia del metil jasmonato durante la germinación de semillas de mostaza
Name of the conference: 8th Workshop on Agri-Food Research.
City of event: Cartagena, Spain
Date of event: 11/05/2020
End date: 12/05/2020
Organising entity: Universidad Politécnica de Cartagena
Type of entity: University
Castillejo, N; Martínez-Hernández, G.B; Miranda-Molina, F.D; Klug, T.V.; Gómez, P; Artés, F.; Artés-Hernández, F. Available on-line at: <<http://hdl.handle.net/10317/8367>>.
- 4** **Title of the work:** Caracterización postcosecha de tres Brasicas germinadas bajo un fotoperiodo de luz y oscuridad.
Name of the conference: II Congreso Argentino de Biología y Tecnología Poscosecha.
Corresponding author: Yes
City of event: Santiago de Estero, Argentina
Date of event: 11/09/2019
End date: 13/09/2019
Organising entity: Sociedad Argentina de Tecnología Postcosecha
Castillejo N; Gómez P.A; Htít A.; Martínez-Hernández G.B.; Pedreño J.L.; Artés F.; Artés-Hernández F. "Actas del II Congreso Argentino de Biología y Tecnología Poscosecha. Poster A5 P96. pag 117."
- 5** **Title of the work:** Conferencia Invitada de clausura: Innovaciones en el procesado mínimo hortofrutícola: de la IV Gama hacia....
Name of the conference: II Congreso Argentino de Biología y Tecnología Poscosecha.
Corresponding author: Yes
City of event: Santiago de Estero, Argentina
Date of event: 11/09/2019
End date: 13/09/2019
Organising entity: Sociedad Argentina de Tecnología Postcosecha
Artés-Hernández, F. "Actas del II Congreso Argentino de Biología y Tecnología Poscosecha."
- 6** **Title of the work:** Environmental variables traceability device to predict postharvest quality and remaining shelf life of fruit and vegetables
Name of the conference: 6th International Symposium on Applications of Modelling as an Innovative Technology in the Horticultural Supply Chain (Model-IT)
Type of event: Conference
Geographical area: Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Molfetta, Italy
Date of event: 09/06/2019
End date: 12/06/2019
Torres-Sánchez, R.; Martínez-Zafra, M.T.; Artés-Hernández, F.
- 7** **Title of the work:** Efeito de diferentes sanitizantes na qualidade de feijão fava minimamente processado
Name of the conference: I Latin America/Caribbean Food Loss and Waste Reduction Congress
Type of event: Conference
Geographical area: Non EU International
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Bento Gonçalves RS, Brazil
Date of event: 01/04/2019
End date: 05/04/2019

Klug, T.V.; Collado, E.; Gómez, P.A.; Artés, F.; Artés-Hernández, F.

- 8 Title of the work:** Modificación de una nanoarcilla para su uso como removedor de etileno en la conservación de arándano azul

Name of the conference: IV Simposium de Ciencia y Tecnología de Materiales

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Saltillo, Mexico

Date of event: 24/10/2018

End date: 26/10/2018

Álvarez, M.H.; Martínez, G.B.; Avalos, F.; Contreras, J.C.; Artés-Hernández, F.

- 9 Title of the work:** Influencia del riego deficitario durante la frigoconservación de cerezas 'Prime Giant'
Name of the conference: XIV Simposio internacional hispano-portugués de relaciones hídricas en las plantas

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 03/10/2018

End date: 05/10/2018

Type of contribution: Scientific paper

Blanco, V.; Blaya-Ros, P.J.; Martínez-Hernández, G.B.; Artés-Hernández, F.; Torres-Sánchez, R.; Domingo, R.

- 10 Title of the work:** Respuesta del cerezo "Prime Giant" al riego deficitario controlado

Name of the conference: XXXVI Congreso Nacional de Riegos

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

Corresponding author: No

City of event: Valladolid, Castile and León, Spain

Date of event: 05/06/2018

End date: 07/06/2018

Type of contribution: Scientific paper

Blanco, V.; Blaya-Ros, P.J.; Tay-Chen, J.; Denora, M.; Espósito, M.E.; Pérez-Pastor, A.; Artés-Hernández, F.; Domingo, R.

- 11 Title of the work:** Efecto de la fertirrigación con nitrato o sulfato cálcico en la calidad postcosecha de nectarinas

Name of the conference: XII SIMPOSIO NACIONAL Y X CONGRESO IBÉRICO DE MADURACIÓN Y POSTCOSECHA

Corresponding author: No

City of event: Badajoz, Extremadura, Spain

Date of event: 04/06/2018

End date: 07/06/2018

F. Artés; A. Vidal; J. Gómez; P.J. Artés-García; F. Artés-Hernández. "Efecto de la fertirrigación con nitrato o sulfato cálcico en la calidad postcosecha de nectarinas".

- 12** **Title of the work:** Efecto de una fertirrigación alternativa con sulfato cálcio sobre la calidad y vida comercial de cerezas
Name of the conference: XII SIMPOSIO NACIONAL Y X CONGRESO IBÉRICO DE MADURACIÓN Y POSTCOSECHA
Corresponding author: No
City of event: Badajoz, Extremadura, Spain
Date of event: 04/06/2018
End date: 07/06/2018
City organizing entity: Cordoba, Spain
F. Artés-Hernández; N. Castillejo; P.J. Artés-García; R. Alonso; F. Artés. "Efecto de una fertirrigación alternativa con sulfato cálcio sobre la calidad y vida comercial de cerezas".
- 13** **Title of the work:** Broccoli by-product revalorization for a kale-based green pesto sauce
Name of the conference: 7th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 07/05/2018
End date: 08/05/2018
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper
Castillejo, N.; Martínez-Hernández, G.B.; Artés, F.; Artés-Hernández, F. "Broccoli by-product revalorization for a kale-based green pesto sauce". En: Proceedings of the 7th Workshop on Agri-Food Research. pp. 18 - 21. Universidad Politécnica de Cartagena, ISBN 978-84-16325-89-4
- 14** **Title of the work:** Effect of stevia extracts on total phenolics and antioxidant capacity of kale juice spheres
Name of the conference: 7th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 07/05/2018
End date: 08/05/2018
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper
Klug, T.V.; Collado, E.; Martínez-Hernández, G.B.; Artés, F.; Artés-Hernández, F. "Effect of stevia extracts on total phenolics and antioxidant capacity of kale juice spheres". En: Proceedings of the 7th Workshop on Agri-Food Research. pp. 26 - 29. Universidad Politécnica de Cartagena, ISBN 978-84-16325-89-4
- 15** **Title of the work:** Effects of an innovative potassium permanganate-based ethylene scavenger during blueberry storage
Name of the conference: 7th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 07/05/2018
End date: 08/05/2018
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper

Álvarez-Hernández, M.H.; Martínez-Hernández, G.B.; Avalos-Belmontes, F.; Artés-Hernández, F. "Effects of an innovative potassium permanganate-based ethylene scavenger during blueberry storage". En: Proceedings of the 7th Workshop on Agri-Food Research. pp. 22 - 25. Universidad Politécnica de Cartagena, ISBN 978-84-16325-89-4

16 Title of the work: Quality changes of fresh-cut faba bean seeds processed under different sanitizers

Name of the conference: 7th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 07/05/2018

End date: 08/05/2018

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Collado, E.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Gómez, P.A. "Quality changes of fresh-cut faba bean seeds processed under different sanitizers". En: Proceedings of the 7th Workshop on Agri-Food Research. pp. 34 - 37. Universidad Politécnica de Cartagena, ISBN 978-84-16325-89-4

17 Title of the work: Calidad de guisantes mínimamente procesados en fresco y su respuesta al cocinado en microondas

Name of the conference: IX Congreso Iberoamericano de Tecnología Postcosecha y Agroexportaciones

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Corresponding author: No

City of event: Santiago de Chile, Chile

Date of event: 29/11/2017

End date: 01/12/2017

Collado, E.; Klug, T.V.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Fernández, J.A.; Gómez, P.A.

18 Title of the work: Calidad sensorial y microbiológica de un puré de guisantes procesado por microondas o por alta presión hidrostática

Name of the conference: IX Congreso Iberoamericano de Tecnología Postcosecha y Agroexportaciones

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

Corresponding author: No

City of event: Santiago de Chile, Chile

Date of event: 29/11/2017

End date: 01/12/2017

Klug, T.V.; Collado, E.; Martínez-Sánchez, A.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.; Artés, F.

19 Title of the work: Procesado mínimo hortofrutícola. Operaciones, líneas y equipos

Name of the conference: IX Congreso Iberoamericano de Tecnología Postcosecha y Agroexportaciones

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Santiago de Chile, Chile

Date of event: 29/11/2017

End date: 01/12/2017

Artés, F.; Artés-Hernández, F.

- 20** **Title of the work:** Avaliação da qualidade de feijão caupi minimamente processado e microondado
Name of the conference: I Congresso Luso-Brasileiro de Horticultura
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: No
City of event: Lisboa, Portugal
Date of event: 01/11/2017
End date: 04/11/2017
Klug, T.V.; Collado, E.; Martínez-Sánchez, A.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.; Artés, F.
- 21** **Title of the work:** Avaliação da qualidade de grãos de feijão fava minimamente processados e microondados durante armazenamento
Name of the conference: I Congresso Luso-Brasileiro de Horticultura
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: No
City of event: Lisboa, Portugal
Date of event: 01/11/2017
End date: 04/11/2017
Collado, E.; Klug, T.V.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Fernández, J.A.; Gómez, P.A.
- 22** **Title of the work:** Minimal processing of fresh legume seeds
Name of the conference: International Conference Advances in grain legume breeding, cultivation and uses for a more competitive value-chain
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Novi Sad, Serbia
Date of event: 27/09/2017
End date: 28/09/2017
Collado, E.; Klug, T.V.; Artés-Hernández, F.; Aguayo, E.; Martínez-Sánchez, A.; Artés, F.; Fernández, J.A.; Gómez, P.A.
- 23** **Title of the work:** Quality changes of fresh and then microwaved minimally processed faba seeds
Name of the conference: International Conference Advances in grain legume breeding, cultivation and uses for a more competitive value-chain
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Novi Sad, Serbia
Date of event: 27/09/2017
End date: 28/09/2017
Collado, E.; Klug, T.V.; Artés-Hernández, F.; Aguayo, E.; Martínez-Sánchez, A.; Artés, F.; Fernández, J.A.; Gómez, P.A.
- 24** **Title of the work:** The effect of processing and different thermal treatment on the antioxidant capacity of peas puree
Name of the conference: International Conference Advances in grain legume breeding, cultivation and uses for a more competitive value-chain
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - poster
Corresponding author: No
City of event: Novi Sad, Serbia
Date of event: 27/09/2017



End date: 28/09/2017

Klug, T.V.; Collado, E.; Martínez-Sánchez, A.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.; Artés, F.

- 25 Title of the work:** Deficit irrigation and pre-processing cold storage of pomegranate fruits affect quality of minimally processed arils throughout shelf life

Name of the conference: IV International Symposium on pomegranate and minor Mediterranean fruits

Type of event: Conference

Geographical area: Non EU International

Corresponding author: No

City of event: Elche, Valencian Community, Spain

Date of event: 18/09/2017

End date: 22/09/2017

Peña-Estévez, M.E.; Gómez, P.A.; Artés-Hernández, F.; Aguayo, E.; Artés, F.

- 26 Title of the work:** Design of an environmental variables monitoring prototype during transportation of horticultural products

Name of the conference: 10th Int. FRUTIC Symposium. Quality and safety of Fresh Horticultural Commodities.

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Berlín, Germany

Date of event: 07/02/2017

End date: 09/02/2017

Torres-Sánchez, R.; Martínez-Zafra, M.T.; Artés-Hernández, F.

- 27 Title of the work:** Effect of regulated deficit irrigation on yield and fruit quality during shelf life of sweet cherry

Name of the conference: 10th Int. FRUTIC Symposium. Quality and safety of Fresh Horticultural Commodities.

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Berlín, Germany

Date of event: 07/02/2017

End date: 09/02/2017

Blanco-Montoya, V.; Domingo-Miguel, R.; Blaya-Ros, P.J.; Torres-Sánchez, R.; Pérez-Pastor, A.; Martínez-Hernández G.B.; Artés-Hernández, F.

- 28 Title of the work:** Postharvest treatments to control physiological disorders and decay in lemon fruit

Name of the conference: 10th Int. FRUTIC Symposium. Quality and safety of Fresh Horticultural Commodities.

Type of event: Conference

Type of participation: Participatory - poster

Corresponding author: No

City of event: Berlín, Germany

Date of event: 07/02/2017

End date: 09/02/2017

Martínez-Hernández, G.B.; Artés-Hernández, F.; Gómez, P.A.; Orihuel-Iranzo, B.; Bretó J.; Artés, F.

- 29** **Title of the work:** Sensory and microbial quality of a pea puree processed under conventional or microwave treatment
Name of the conference: VI Congreso Internacional de Ingeniería Química, Biotecnológica y Alimentaria (CIIQBA)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: La Habana, Cuba
Date of event: 21/11/2016
End date: 25/11/2016
Klug, T.V.; Collado, E.; Martínez-Sánchez, A.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.; Artés, F.
- 30** **Title of the work:** Tendencias y retos de la postrecolección hortofrutícola
Name of the conference: VI Congreso Internacional de Ingeniería Química, Biotecnológica y Alimentaria (CIIQBA)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: La Habana, Cuba
Date of event: 21/11/2016
End date: 25/11/2016
Artés, F.; Artés-Hernández, F.
- 31** **Title of the work:** Calidad postcosecha del limón Fino sometido a fertirrigación con nitrato o sulfato cálcico
Name of the conference: IX Simpósio Ibérico de Maturação e Pós-Colheita
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Lisboa, Portugal
Date of event: 02/11/2016
End date: 04/11/2016
Abril, J.G.; Riquelme, A.; Artés-García, P.J.; Artés-Hernández, F.; Artés, F.
- 32** **Title of the work:** Efectos de tratamientos de desverdización innovadores y combinados con ceras en limón Verna sobre su calidad y posterior transporte y comercialización
Name of the conference: IX Simpósio Ibérico de Maturação e Pós-Colheita
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Lisboa, Portugal
Date of event: 02/11/2016
End date: 04/11/2016
Martínez-Hernández, G.B.; Gómez, P.A.; Orihuel, B.; Bretó, J.; Artés-Hernández, F.; Artés, F.
- 33** **Title of the work:** Quality changes in minimally fresh processed faba beans and after microwave cooking
Name of the conference: IX Simpósio Ibérico de Maturação e Pós-Colheita
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Lisboa, Portugal
Date of event: 02/11/2016

End date: 04/11/2016

Type of contribution: Scientific paper

Collado, E.; Artés-Hernández, F.; Aguayo, E.; Fernández, J.A.; Artés, F.; Gómez, P.A. "Quality changes in minimally fresh processed faba beans and after microwave cooking". En: Actas Portuguesas de Horticultura. 28, pp. 306 - 311. ISBN 978-972-8936-25-9

- 34 Title of the work:** Quality of minimally fresh processed immature seeds of faba bean during MAP storage and changes after microwave cooking

Name of the conference: IX Simpósio Ibérico de Maturação e Pós-Colheita

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Lisboa, Portugal

Date of event: 02/11/2016

End date: 04/11/2016

Martínez-Hernández, G.B.; Gómez, P.A.; Orihuel, B.; Bretó, J.; Artés-Hernández, F.; Artés, F.

- 35 Title of the work:** Sustainable sanitation methods for keeping overall quality of minimally processed faba seeds

Name of the conference: 2nd International Legume Society Conference 2016: Legumes for a sustainable world

Corresponding author: No

City of event: Troia, Portugal

Date of event: 12/10/2016

End date: 14/10/2016

Collado, E.; Artés-Hernández, F.; Artés, F.; Aguayo, E.; Fernández, J.A.; Gómez, P.A.

- 36 Title of the work:** Permittivity of fresh vegetables smoothies at Radiofrequency and Microwave frequencies and various temperatures

Name of the conference: 3rd Global Congress on Microwave Energy Applications

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 25/07/2016

End date: 29/07/2016

Lozano-Guerrero, A.J.; Artés-Hernández, F.; Pedreño-Molina, J.A.; Monzó-Cabrera, J.; Díaz-Morcillo, A.

- 37 Title of the work:** Anthocyanins, total antioxidants and phenolics correlated to polyphenoloxidase, phenylalanine ammonia lyase and peroxidase activity in minimally processed pomegranate arils exposed to abiotic stresses

Name of the conference: VIII International Postharvest Symposium (IPS 2016)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 21/06/2016

End date: 24/06/2016

Maghoumi, M.; Artés-Hernández, F.; Artés, F.; Mostofi, Y.; Zamani, Z.; Gómez, P.A. International Society for Horticultural Science,

- 38** **Title of the work:** Bioactive compounds changes of a green vegetable smoothie after thermal treatments and during shelf life
Name of the conference: VIII International Postharvest Symposium (IPS 2016)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 21/06/2016
End date: 24/06/2016
Type of contribution: Scientific paper
Castillejo, N.; Martínez-Hernández, G.B.; Gómez, P.A.; Aguayo, E.; Bernabéu, J.; Artés, F.; Artés-Hernández, F. "Bioactive compounds changes of a green vegetable smoothie after thermal treatments and during shelf life". En: Acta Horticulturae 1194, pp. 935 - 940. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900
DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.132>
- 39** **Title of the work:** Characterization and epiphytic microbial load changes of a fresh vegetables purple smoothie during shelf life
Name of the conference: VIII International Postharvest Symposium (IPS 2016)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Cartagena, Region of Murcia, Spain
Date of event: 21/06/2016
End date: 24/06/2016
Type of contribution: Scientific paper
González-Tejedor, G.; Artés-Hernández, F.; Fernández, P.S. "Characterization and epiphytic microbial load changes of a fresh vegetables purple smoothie during shelf life". En: Acta Horticulturae 1194, pp. 569 - 574. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900
DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.82>
- 40** **Title of the work:** High hydrostatic pressure treatments for keeping quality of orange coloured vegetables smoothies
Name of the conference: VIII International Postharvest Symposium (IPS 2016)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 21/06/2016
End date: 24/06/2016
Type of contribution: Scientific paper
Formica-Oliveira, A.C.; Martínez-Hernández, G.B.; Díaz-López, V.; Otón, M.; Artés, F.; Artés-Hernández, F. "High hydrostatic pressure treatments for keeping quality of orange coloured vegetables smoothies". En: Acta Horticulturae 1194, pp. 575 - 580. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900
DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.83>
- 41** **Title of the work:** Innovative and sustainable postharvest treatments to control physiological disorders and decay in lemon fruit during long transport and commercialization
Name of the conference: VIII International Postharvest Symposium (IPS 2016)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 21/06/2016

End date: 24/06/2016

Type of contribution: Scientific paper

Martínez-Hernández, G.B.; Gómez, P.A.; Orihuel, B.; Artés-Hernández, F.; Artés, F. "Innovative and sustainable postharvest treatments to control physiological disorders and decay in lemon fruit during long transport and commercialization". En: Acta Horticulturae 1194. pp. 235 - 240. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900

DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.35>

42 Title of the work: Microwave treatments and storage conditions affect quality of an orange color smoothie

Name of the conference: VIII International Postharvest Symposium (IPS 2016)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 21/06/2016

End date: 24/06/2016

Type of contribution: Scientific paper

Arjmandi, M.; Otón, M.; Artés-Hernández, F.; Gómez, P.A.; Aguayo, E.; Artés, F. "Microwave treatments and storage conditions affect quality of an orange color smoothie". En: Acta Horticulturae 1194. pp. 1481 - 1486. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900

DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.207>

43 Title of the work: Modified atmosphere packaging for keeping overall quality of dates

Name of the conference: VIII International Postharvest Symposium (IPS 2016)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 21/06/2016

End date: 24/06/2016

Type of contribution: Scientific paper

Jemni, M.; Ramírez, J.G.; Otón, M.; Artés-Hernández, F.; Harbaoui, K.; Ferchichi, A.; Artés, F. "Passive modified atmosphere packaging and chilling storage for keeping overall quality of dates". En: Acta Horticulturae 1194. pp. 673 - 680. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900

DOI: [10.17660/ActaHortic.2018.1194.96](https://doi.org/10.17660/ActaHortic.2018.1194.96)

44 Title of the work: Overall quality of minimally processed faba bean seeds stored in MAP

Name of the conference: VIII International Postharvest Symposium (IPS 2016)

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 21/06/2016

End date: 24/06/2016

Type of contribution: Scientific paper

Collado, E.; Artés-Hernández, F.; Aguayo, E.; Navarro, L.; Artés, F.; Fernández, J.A.; Gómez, P.A. "Overall quality of minimally processed faba bean seeds stored in MAP". En: Acta Horticulturae 1194. pp. 513 - 518. International Society for Horticultural Science, 04/2018. ISSN 0567-7572, ISBN 9789462611900



DOI: <https://doi.org/10.17660/ActaHortic.2018.1194.75>

- 45 Title of the work:** Influencia del riego deficitario controlado precosecha sobre la calidad de la cereza 'prime giant'

Name of the conference: XXXIV Congreso Nacional de Riegos

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 07/06/2016

End date: 09/06/2016

Blanco, V.; Domingo, R.; Artés-Hernández, F.; García-Riquelme, M.; Pérez-Pastor, A.; Blaya-Ros, P.J.; Torres-Sánchez, R.

- 46 Title of the work:** Antibrowning washing agents effect to preserve quality of minimally processed Vicia faba seeds

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Otón, M.; Artés, F.; Artés-Hernández, F. "Antibrowning washing agents effect to preserve quality of minimally processed Vicia faba seeds". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 40 - 43. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

- 47 Title of the work:** Continuous microwaving of an orange smoothie inhibits detrimental enzyme activity

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Arjmandi, M.; Otón, M.; Gómez, P.A.; Artés-Hernández, F.; Artés, F.; Aguayo, E. "Continuous microwaving of an orange smoothie inhibits detrimental enzyme activity". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 52 - 55. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

- 48 Title of the work:** Evaluation of bacterial growth in a thermally treated smoothie

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016



City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

González-Tejedor, G.; Artés-Hernández, F.; Fernández, P.S. "Evaluation of bacterial growth in a thermally treated smoothie". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 28 - 31. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

49 Title of the work: Health-promoting compounds and quality changes of a functional carrot smoothie during shelf life

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Formica, A.C.; Martínez-Hernández, G.B.; Artés-Hernández, F. "Health-promoting compounds and quality changes of a functional carrot smoothie during shelf life". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 20 - 23. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

50 Title of the work: Innovative development of green smoothies by emerging minimal processing technologies

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Castillejo, N.; Artés, F.; Artés-Hernández, F. "Innovative development of green smoothies by emerging minimal processing technologies". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 180 - 183. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

51 Title of the work: Puree-based vegetables beverages development under innovative minimal processing techniques

Name of the conference: 5th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 09/05/2016

End date: 10/05/2016

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Klug, T.V.; Artés, F.; Artés-Hernández, F. "Puree-based vegetables beverages development under innovative minimal processing techniques". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 184 - 187. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0

- 52** **Title of the work:** Vitamin C and microbial quality of minimally fresh processed pea seeds stored in modified atmosphere packaging
Name of the conference: 5th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Cartagena, Region of Murcia, Spain
Date of event: 09/05/2016
End date: 10/05/2016
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper
Collado, E.; Artés-Hernández, F.; Aguayo, E.; Artés, F.; Armero, E.; Gómez, P.A. "Vitamin C and microbial quality of minimally fresh processed pea seeds stored in modified atmosphere packaging". En: Proceedings of the 5th Workshop on Agri-Food Research. pp. 48 - 51. Universidad Politécnica de Cartagena, ISBN 978-84-16325-29-0
- 53** **Title of the work:** Alterações na qualidade de novos smoothies a base de manga durante conservação refrigerada
Name of the conference: VII Iberian Congress and VI Ibero-American Congress Refrigeration Sciences and Technologies
Corresponding author: No
City of event: Coimbra, Portugal
Date of event: 03/05/2016
End date: 06/05/2016
Monaco K.A.; Castillejo, N.; Díaz, V.; Klug, T.V.; Otón, M.; Artés-Hernández, F.; Lima, G.P.P.; Artés, F.
- 54** **Title of the work:** Factores de riesgo en el transporte del banano
Name of the conference: VI Congreso Internacional sobre Banano CORBANA
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Miami FL, United States of America
Date of event: 19/04/2016
End date: 22/04/2016
Artés-Hernández, F.
- 55** **Title of the work:** Respuesta del cerezo al riego deficitario. Resultados preliminares"
Name of the conference: I Jornada "Agua y Sostenibilidad en procesos productivos de cuencas deficitarias"
Type of event: Workshop
Corresponding author: No
City of event: Murcia, Spain
Date of event: 17/03/2016
Blanco, V.; Domingo, R; Ártés-Hernández, F.; Pérez-Pastor, A.; Soto-Vallés, F.; Torres-Sánchez, R.
- 56** **Title of the work:** Overall quality of minimally processed pea seeds
Name of the conference: III ISHS International Conference on Fresh-cut Produce
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Davis CA, United States of America



Date of event: 13/09/2015

End date: 18/09/2015

Collado, E.; Artés-Hernández, F.; Navarro, L.; Artés, F.; Aguayo, E.; Fernández, J.A.; Gómez, P.

57 Title of the work: Quality changes of green vegetables smoothies during shelf life
Name of the conference: III ISHS International Conference on Fresh-cut Produce
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Davis CA, United States of America
Date of event: 13/09/2015
End date: 18/09/2015
 Castillejo, N.; Martínez-Hernández, G.B.; Gómez, P.; Artés, F.; Aguayo, E.; Sánchez-Álvarez, C.; Artés-Hernández, F.

58 Title of the work: UV-C light preserves quality of minimally processed watermelon cylinders
Name of the conference: V ISHS International Symposium on Cucurbits
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 22/06/2015
End date: 26/06/2015
 Gómez, P.; Robles, P.A.; Tomás-Callejas, A.; Otón, M.; Artés, F.; Artés-Hernández, F.

59 Title of the work: Abiotic stress combination to improve healthiness of fresh vegetables smoothies
Name of the conference: 4th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Cartagena, Region of Murcia, Spain
Date of event: 11/05/2015
End date: 12/05/2015
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper
 Formica, A.C.; Martínez-Hernández, G.B.; Artés-Hernández, F. "Abiotic stress combination to improve healthiness of fresh vegetables smoothies". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 239 - 242. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2

60 Title of the work: Epiphytic microbial load changes of natural purple fresh vegetables smoothies during shelf life
Name of the conference: 4th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Cartagena, Region of Murcia, Spain
Date of event: 11/05/2015
End date: 12/05/2015
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper



González-Tejedor, G.; Artés-Hernández, F.; Fernández, P.S. "Epiphytic microbial load changes of natural purple fresh vegetables smoothies during shelf life". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 43 - 46. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2

61 Title of the work: Long-term impact of deficit irrigation on the physical quality of berries in 'Crimson Seedless' table grapes

Name of the conference: 4th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 11/05/2015

End date: 12/05/2015

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Conesa, M.R.; de la Rosa, J. M.; Artés-Hernández, F.; Dodd, I. C.; Domingo, R.; Pérez-Pastor, A.; Artés-Hernández, F. "Long-term impact of deficit irrigation on the physical quality of berries in 'Crimson Seedless' table grapes". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 164 - 167. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2

62 Title of the work: Optimization of chlorine sanitation to preserve quality of minimally processed Vicia faba seeds

Name of the conference: 4th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 11/05/2015

End date: 12/05/2015

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Otón, M.; Artés, F.; Artés-Hernández, F. "Optimization of chlorine sanitation to preserve quality of minimally processed Vicia faba seeds". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 51 - 54. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2

63 Title of the work: Sodium acidified chlorite and ozonated water as alternative sanitizing techniques for minimally processed broccoli

Name of the conference: 4th Workshop on Agri-Food Research

Type of event: Seminar

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 11/05/2015

End date: 12/05/2015

City organizing entity: Cartagena, Region of Murcia, Spain

Type of contribution: Scientific paper

Navarro-Rico, J.; Martínez-Hernández, G.B.; Gómez, P.A.; Artés, F.; Artés-Hernández, F. "Sodium acidified chlorite and ozonated water as alternative sanitizing techniques for minimally processed broccoli". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 59 - 62. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2



- 64** **Title of the work:** Water stress to enhance vitamin C in extra early nectarines
Name of the conference: 4th Workshop on Agri-Food Research
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Cartagena, Region of Murcia, Spain
Date of event: 11/05/2015
End date: 12/05/2015
City organizing entity: Cartagena, Region of Murcia, Spain
Type of contribution: Scientific paper
Falagán, N.; Artés, F.; Gómez, P.A.; Artés-Hernández, F.; de la Rosa, J.M.; Aguayo, E. "Water stress to enhance vitamin C in extra early nectarines". En: Proceedings of the 4th Workshop on Agri-Food Research. pp. 35 - 38. Universidad Politécnica de Cartagena, ISBN 978-84-608-5399-2
- 65** **Title of the work:** Elaboración sostenible de hortalizas mínimamente procesadas
Name of the conference: VII Congreso Ibérico y V Iberoamericano de Ciencias y Técnicas del Frío
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Quito, Ecuador
Date of event: 18/06/2014
End date: 20/06/2014
Artés, F.; Artés-Hernández, F. pp. 142 - 143.
- 66** **Title of the work:** Impact of storage temperature on quality of early-ripening peaches cultivated under deficit irrigation
Name of the conference: VII Congreso Ibérico y V Iberoamericano de Ciencias y Técnicas del Frío
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Quito, Ecuador
Date of event: 18/06/2014
End date: 20/06/2014
Falagán, N.; Aguayo, E.; Gómez, P.A.; Artés-Hernández, F.; Conejero, W.; Artés, F.
- 67** **Title of the work:** La aplicación de estrategias de riego deficitario incrementa el contenido en fenoles de nectarina y melocotón extratempranos
Name of the conference: VII Congreso Ibérico y V Iberoamericano de Ciencias y Técnicas del Frío
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Quito, Ecuador
Date of event: 18/06/2014
End date: 20/06/2014
Falagán, N.; Aguayo, E.; Gómez, P.A.; Artés-Hernández, F.; de la Rosa, J.M.; Conejero, W.; Artés, F. pp. 142 - 143.
- 68** **Title of the work:** Vida útil del brócoli Bimi mínimamente procesado desinfectado con ácido peracético y agua ozonizada
Name of the conference: VII Congreso Ibérico y V Iberoamericano de Ciencias y Técnicas del Frío
Type of event: Conference **Geographical area:** Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Quito, Ecuador

Date of event: 18/06/2014

End date: 20/06/2014

Navarro, J.; Martínez-Hernández, G.B.; Gómez, P.; Artés-Hernández, F.; Artés, F. "Vida útil del brócoli Bimi mínimamente procesado desinfectado con ácido peracético y agua ozonizada". pp. 142 - 143.

- 69 Title of the work:** Vitamina C y perfil fenólico de brócoli convencional e híbrido mínimamente procesado, tratado con agua electrolizada y recubrimientos comestibles

Name of the conference: VII Congreso Ibérico y V Iberoamericano de Ciencias y Técnicas del Frío

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Quito, Ecuador

Date of event: 18/06/2014

End date: 20/06/2014

Navarro, J.; Martínez-Hernández, G.B.; Gómez, P.; Otón, M.; Bernabéu, J.; Artés-Hernández, F.; Artés, F. pp. 142 - 143.

- 70 Title of the work:** Efecto de agentes desinfectantes alternativos al hipoclorito sódico en la calidad de habas mínimamente procesadas en fresco

Name of the conference: III Workshop en Investigación Agroalimentaria

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Cartagena, Region of Murcia, Spain

Date of event: 12/05/2014

End date: 13/05/2014

Type of contribution: Scientific paper

Otón, M.; Artés, F.; Artés-Hernández, F. "Efecto de agentes desinfectantes alternativos al hipoclorito sódico en la calidad de habas mínimamente procesadas en fresco". En: Actas del III Workshop en Investigación Agroalimentaria. pp. 58 - 61. Universidad Politécnica de Cartagena., ISBN 978-84-697-1358-7

- 71 Title of the work:** La combinación del riego deficitario y técnicas de curado mejoran la calidad de la nectarina extratemprana

Name of the conference: III Workshop en Investigación Agroalimentaria

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Cartagena, Region of Murcia, Spain

Date of event: 12/05/2014

End date: 13/05/2014

Type of contribution: Scientific paper

Falagán, N.; Artés, F.; Gómez, P.; Artés-Hernández, F.; de la Rosa, J.M.; Aguayo, E. "La combinación del riego deficitario y técnicas de curado mejoran la calidad de la nectarina extratemprana". En: Actas del III Workshop en Investigación Agroalimentaria. Universidad Politécnica de Cartagena, ISBN 978-84-697-1358-7

- 72 Title of the work:** Evolución del contenido de vitamina C en brócoli mínimamente procesado en fresco desinfectado con agua electrolizada y con recubrimientos comestibles

Name of the conference: III Workshop en Investigación Agroalimentaria

**Type of event:** Seminar**Geographical area:** National**Type of participation:** Participatory - oral communication**Corresponding author:** Yes**City of event:** Cartagena, Region of Murcia, Spain**Date of event:** 12/05/2014**End date:** 13/05/2014**City organizing entity:** Cartagena, Region of Murcia, Spain**Type of contribution:** Scientific paper

Navarro-Rico, J.; Martínez-Hernández, G.B.; Gómez, P.; Otón, M.; Artés, F.; Artés-Hernández, F. "Evolución del contenido de vitamina C en brócoli mínimamente procesado en fresco desinfectado con agua electrolizada y con recubrimientos comestibles". En: Actas del III Workshop en Investigación Agroalimentaria. pp. 50 - 54. Universidad Politécnica de Cartagena, ISBN 978-84-697-1358-7

73 Title of the work: Calidad global postcosecha de la nectarina Atinea sometida a fertirrigación con nitrato o sulfato cálcico

Name of the conference: XVI Simp. Hispano-Luso Nutrición Mineral Plantas**Type of event:** Conference**Geographical area:** Non EU International**Type of participation:** 'Participatory - poster**Corresponding author:** No**City of event:** San Pedro del Pinatar, Region of Murcia, Spain

Abril, J.G.; Pérez, R.; Gómez, J.; Riquelme, A.; Artés-García, P.J.; Artés-Hernández, F.; Artés, F.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1 Committee title: Miembro del Comité Científico XIII SIMPOSIO NACIONAL Y XI CONGRESO IBÉRICO DE MADURACIÓN Y POSTCOSECHA

Affiliation entity: Sociedad Española de Ciencias Hortícolas (SECH), junto con la Associação Portuguesa de Horticultura (APH)**City affiliation entity:** Zaragoza, Aragon, Spain**Start-End date:** 16/06/2020 - 19/06/2020

2 Committee title: Member of the Scientific Committee of CAMA 2020- 13th International Controlled and Modified Atmosphere Research Conference 'Fast Forward to a Fresh Future'

Affiliation entity: Katholieke Universiteit Leuven**Type of entity:** University**City affiliation entity:** Leuven, Belgium**Start-End date:** 17/05/2020 - 20/05/2020

3 Committee title: FRUTIC Symposium 2019

Geographical area: Non EU International**City:** Hong Kong, China**Affiliation entity:** Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB) and University of Foggia**Type of entity:** University**Start-End date:** 03/09/2019 - 03/09/2019

4 Committee title: 4th International Conference on Fresh-cut Produce

Geographical area: Non EU International**City:** Taian, China



Affiliation entity: International Society for Horticultural Science (ISHS)

Start-End date: 12/08/2019 - 17/08/2019

5 Committee title: Miembro del Comité Científico de las V Jornadas Doctorales de la UM y la UPCT

Affiliation entity: Universidad de Murcia

Type of entity: University

City affiliation entity: Murcia, Region of Murcia, Spain

Start-End date: 29/05/2019 - 31/05/2019

6 Committee title: VIII Workshop de Investigación Agroalimentaria - WiA19

Geographical area: National

City: Cartagena, Region of Murcia, Spain

Affiliation entity: Universidad Politécnica de Cartagena

Type of entity: University

Start-End date: 27/05/2019 - 28/05/2019

7 Committee title: XXX International Horticultural Congress (Fruit and Vegetables for Processing, S-27)

Geographical area: Non EU International

City: Estambul, Turkey

Affiliation entity: International Society for Horticultural Science (ISHS)

Start-End date: 12/08/2018 - 16/08/2018

8 Committee title: XXX International Horticultural Congress (Strategies and Technologies to Maintain Quality and Reduce Postharvest Losses, S-32)

Geographical area: Non EU International

City: Estambul, Turkey

Affiliation entity: International Society for Horticultural Science (ISHS)

Start-End date: 12/08/2018 - 16/08/2018

9 Committee title: VII Workshop de Investigación Agroalimentaria - WiA18

Geographical area: National

City: Cartagena, Region of Murcia, Spain

Affiliation entity: Universidad Politécnica de Cartagena

Type of entity: University

Start-End date: 07/05/2018 - 08/05/2018

10 Committee title: VI Workshop de Investigación Agroalimentaria - WiA17

Geographical area: National

City: Cartagena, Region of Murcia, Spain

Affiliation entity: Universidad Politécnica de Cartagena

Type of entity: University

Start-End date: 08/05/2017 - 09/05/2017

11 Committee title: FRUTIC Symposium 2017

Geographical area: Non EU International

City: Berlin, Germany

Affiliation entity: Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB) and University of Foggia

Type of entity: University

Start-End date: 07/02/2017 - 09/02/2017



- 12** **Committee title:** IX Simpósio Ibérico de Maturação e Pós-Colheita
Geographical area: Non EU International
City: Lisboa, Portugal
Affiliation entity: Sociedad Española de Ciencias Hortícolas (SECH)
Start-End date: 02/11/2016 - 04/11/2016
- 13** **Committee title:** VIII International Postharvest Symposium
Geographical area: Non EU International
City: Cartagena, Region of Murcia, Spain
Affiliation entity: International Society for Horticultural Science (ISHS)
Start-End date: 21/06/2016 - 24/06/2016
- 14** **Committee title:** V Workshop de Investigación Agroalimentaria - WiA16
Geographical area: National
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Universidad Politécnica de Cartagena
Type of entity: University
Start-End date: 09/05/2016 - 10/05/2016
- 15** **Committee title:** 3rd International Conference on Fresh-cut Produce
Geographical area: Non EU International
City: Davis CA, United States of America
Affiliation entity: International Society for Horticultural Science (ISHS)
Start-End date: 14/09/2015 - 18/09/2015
- 16** **Committee title:** V International Symposium on Cucurbits
Geographical area: Non EU International
City: Cartagena, Spain
Affiliation entity: International Society for Horticultural Science (ISHS)
Start-End date: 22/06/2015 - 26/06/2015
- 17** **Committee title:** IV Workshop de Investigación Agroalimentaria - WiA15
Geographical area: National
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Universidad Politécnica de Cartagena
Type of entity: University
Start-End date: 11/05/2015 - 12/05/2015
- 18** **Committee title:** VII Congreso Ibérico de Ciencias y Técnicas del Frío y V Congreso Iberoamericano de Ciencias y Técnicas del Frío
Geographical area: European Union
City: Tarragona, Catalonia, Spain
Affiliation entity: Sociedad Iberoamericana de Ciencias y Técnicas del Frío (CYTEF)
Start-End date: 08/06/2014 - 20/06/2014
- 19** **Committee title:** III Workshop de Investigación Agroalimentaria - WiA14
Geographical area: National
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Universidad Politécnica de Cartagena
Type of entity: University
Start-End date: 12/05/2014 - 13/05/2014



- 20** **Committee title:** I International Conference for young Mediterranean researchers
Geographical area: Non EU International
City: Murcia, Region of Murcia, Spain
Affiliation entity: Med-Souk
Start-End date: 23/10/2013 - 25/10/2013
- 21** **Committee title:** II Workshop de Investigación Agroalimentaria - WiA13
Geographical area: National
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Universidad Politécnica de Cartagena
Type of entity: University
Start-End date: 06/05/2013 - 07/05/2013
- 22** **Committee title:** I Workshop de Investigación Agroalimentaria - WiA12
Geographical area: National
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Universidad Politécnica de Cartagena
Type of entity: University
Start-End date: 07/05/2012 - 08/05/2012
- 23** **Committee title:** Congreso Iberoamericano de Tecnología Postcosecha y Agroexportaciones
Geographical area: Non EU International
City: Cartagena, Region of Murcia, Spain
Affiliation entity: Asociación Iberoamericana de Tecnología Postcosecha (AITEP)
Type of entity: Associations and Groups
Start-End date: 05/2007 - 06/2007

Organization of R&D activities

- 1** **Title of the activity:** Semana de la Ciencia y la Tecnología
Type of activity: Actividades de divulgación científica **Geographical area:** Regional
City of event: Murcia, Region of Murcia, Spain
Convening entity: Universidad de Murcia y Universidad Politécnica de Cartagena
Type of entity: University
Type of participation: Organiser
Start-End date: 09/2003 - 09/2019 **Duration:** 17 years
- 2** **Title of the activity:** Workshop de Investigación Agroalimentaria
Type of activity: Seminario **Geographical area:** Non EU International
City of event: Cartagena, Region of Murcia, Spain
Convening entity: Universidad Politécnica de Cartagena
Type of entity: University
City convening entity: Cartagena, Region of Murcia, Spain
Type of participation: Organiser
Start-End date: 06/2012 - 05/2019 **Duration:** 8 years
- 3** **Title of the activity:** VIII International Postharvest Symposium
Type of activity: Simposio **Geographical area:** Non EU International
City of event: Cartagena, Region of Murcia, Spain



Convening entity: ISHS

Type of participation: Organiser

Start-End date: 21/06/2016 - 24/06/2016

- 4 Title of the activity:** Retos y soluciones tecnológicas en logística y transporte refrigerado de frutas y hortalizas

Type of activity: Encuentro Internacional
Empresa-Universidad

Geographical area: Non EU International

City of event: Cartagena, Region of Murcia, Spain

Type of participation: Organiser

Start-End date: 01/06/2010 - 04/06/2010

- 5 Title of the activity:** V Congreso Iberoamericano de Tecnología Postcosecha y Agroexportaciones

Type of activity: Congreso

Geographical area: Non EU International

City of event: Cartagena, Region of Murcia, Spain

Type of participation: Organiser

Start-End date: 29/05/2007 - 01/06/2007

- 6 Title of the activity:** CYTEF-2002

Type of activity: Congreso

Geographical area: National

City of event: Cartagena, Region of Murcia, Spain

Convening entity: Sociedad Española de Ciencias y Técnicas del Frío

Type of participation: Organiser

Start-End date: 04/04/2002 - 06/04/2002

- 7 Title of the activity:** Improving postharvest technologies of fruits, vegetables and ornamentals

Type of activity: Congreso

Geographical area: Non EU International

City of event: Murcia, Region of Murcia, Spain

Convening entity: International Institute of Refrigeration

Type of entity: Associations and Groups

Type of participation: Organiser

Start-End date: 19/10/2000 - 21/10/2000

R&D management

- 1 Name of the activity:** Proyecto de Investigación 20849/PI/18 de la Fundación Séneca de la Región de Murcia. Acrónimo: FRESHGERM. Título "Desarrollo y procesado mínimo en fresco de germinados de elevada saludabilidad mediante técnicas ecosostenibles. evolución de la calidad y seguridad durante la vida útil

Type of management: Management of R&D&I actions and projects

Performed tasks: Investigador Principal

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 01/04/2019

Duration: 3 years

- 2 Name of the activity:** Investigador Responsable del Grupo de Investigación en Postrecolección y Refrigeración de la UPCT

Type of management: Group management

Performed tasks: Investigador responsable de grupo de I+D+I

City of entity: Cartagena, Region of Murcia, Spain

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 10/2016

Duration: 3 years



Access system: By vote among several candidates

Geographical area: National

Specific tasks: Investigador responsable de grupo de I+D+I

- 3 Name of the activity:** Proyecto de Investigación del MINISTERIO DE ECONOMIA Y COMPETITIVIDAD. AGL2013-48830-C2-1-R del Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad MEC, Dirección General de Investigación, titulado “Innovaciones en el procesado mínimo de nuevos batidos refrigerados de hortalizas frescas optimizando su saludabilidad durante su vida comercial”

Type of management: Management of R&D&I actions and projects

Performed tasks: Investigador principal (IP)

City of entity: Cartagena, Region of Murcia, Spain

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 10/2014

Duration: 3 years

Access system: By vote among several candidates

Geographical area: National

Specific tasks: Investigador principal (IP)

- 4 Name of the activity:** Cátedra de Investigación G´s España en la UPCT

Type of management: Gestión de Cátedra de I+D

Performed tasks: Director de la Cátedra

City of entity: Cartagena, Region of Murcia, Spain

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 07/2014

Duration: 6 years

Average annual budget: 25.000

Geographical area: National

Specific tasks: Director de la Cátedra de Investigación y Desarrollo

- 5 Name of the activity:** Contrato Asistencia Técnica con SATA AGROMEDINA SL (Huelva, España) “Optimización de las técnicas de atmosfera controlada e inhibición del etileno en postcosecha de caquis Sharon”

Type of management: Management of R&D&I actions and projects

Performed tasks: Investigador principal (IP)

City of entity: Cartagena, Region of Murcia, Spain

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 11/2012

Duration: 6 months

Access system: By vote among several candidates

Geographical area: National

Specific tasks: Investigador principal (IP)

- 6 Name of the activity:** Acción COST FA 1044 ‘Sustainable production of high-quality cherries for the European market’

Type of management: Management of R&D&I actions and projects

Performed tasks: Líder del WG2 (Postrecolección)

Entity: Universidad Politécnica de Cartagena

Type of entity: University

Start date: 05/2012

Duration: 8 years

Access system: By vote among several candidates

Geographical area: European Union

Specific tasks: Líder del WG2 (Postrecolección)

- 7** **Name of the activity:** Contrato Asistencia Técnica con NSURE (Wageningen, Holanda) “Correlation between traditionally measured quality and FTA-card method throughout shelf life of ‘crimson seedless’ table grapes’ ”
Type of management: Management of R&D&I actions and projects
Performed tasks: Investigador principal (IP)
City of entity: Cartagena, Region of Murcia, Spain
Entity: Universidad Politécnica de Cartagena
Start date: 09/2011
Access system: By vote among several candidates
Geographical area: National
Specific tasks: Investigador principal (IP)
Type of entity: University
Duration: 4 months
- 8** **Name of the activity:** Programa de Doctorado en Técnicas Avanzadas en Investigación y Desarrollo Agrario y Alimentario (TAIDA) de la Universidad Politécnica de Cartagena
Type of management: Coordinador de programa de doctorado
Performed tasks: Coordinador de programa de doctorado
City of entity: Cartagena, Region of Murcia, Spain
Entity: Universidad Politécnica de Cartagena
Start date: 09/2010
Access system: By vote among several candidates
Geographical area: National
Specific tasks: Coordinador de programa de doctorado
Type of entity: University
Duration: 9 years
- 9** **Name of the activity:** Contrato I+D con LAS CABEZUELAS S. COOP. “Envasado innovador en atmósfera modificada a escala de palet para uva Crimson Seedless ecológica”
Type of management: Management of R&D&I actions and projects
Performed tasks: Investigador principal (IP)
City of entity: Cartagena, Region of Murcia, Spain
Entity: Universidad Politécnica de Cartagena
Start date: 08/2009
Access system: By vote among several candidates
Geographical area: National
Specific tasks: Investigador principal (IP)
Type of entity: University
Duration: 6 months
- 10** **Name of the activity:** Contrato I+D con S. COOP. EL LIMONAR DE SANTOMERA. Rediseño de la planta actual y diseño de la ampliación de una central hortofrutícola”
Type of management: Management of R&D&I actions and projects
Performed tasks: Investigador principal (IP)
City of entity: Cartagena, Region of Murcia, Spain
Entity: Universidad Politécnica de Cartagena
Start date: 12/2008
Access system: By vote among several candidates
Geographical area: National
Specific tasks: Investigador principal (IP)
Type of entity: University
Duration: 4 months
- 11** **Name of the activity:** Contrato I+D con S. COOP. CMBAYAS. “Envasado innovador de granada Mollar de Elche con polímeros plásticos y atmósferas modificadas activas”
Type of management: Management of R&D&I actions and projects
Performed tasks: Investigador principal (IP)
City of entity: Cartagena, Region of Murcia, Spain
Entity: Universidad Politécnica de Cartagena
Type of entity: University

**Start date:** 09/2008**Duration:** 7 months**Access system:** By vote among several candidates**Geographical area:** National**Specific tasks:** Investigador principal (IP)

- 12 Name of the activity:** Proyecto de Investigación del MEC, Dirección General de Investigación, AGL2007-63861/ALI titulado "Desarrollo de técnicas sostenibles y emergentes en el procesado mínimo de hortalizas foliáceas tipo baby para mezclas de ensaladas"

Type of management: Management of R&D&I actions and projects**Performed tasks:** Investigador principal (IP)**City of entity:** Cartagena, Region of Murcia, Spain**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Start date:** 10/2007**Duration:** 3 years**Access system:** By vote among several candidates**Geographical area:** National**Specific tasks:** Investigador principal (IP)

- 13 Name of the activity:** Proyecto de Investigación INIA RTA04-035 "Contaminación por fertilizantes y fitosanitarios en un cultivo de pimiento de invernadero para tres métodos de producción. Influencia sobre el rendimiento, la calidad de los frutos y su conservación"

Type of management: Management of R&D&I actions and projects**Performed tasks:** Investigador responsable de la UPCT**City of entity:** Cartagena, Region of Murcia, Spain**Entity:** Universidad Politécnica de Cartagena**Type of entity:** University**Start date:** 2005**Duration:** 2 years**Access system:** By vote among several candidates**Geographical area:** National**Specific tasks:** Investigador responsable de la UPCT

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Università degli Studi de Foggia **Type of entity:** University
Faculty, institute or centre: Dipartimento di Scienze delle Produzioni, dell'Ingegneria, della Meccanica e dell'Economia Applicate ai Sistemi Agro-zootecnici (PrIME).
City of entity: Foggia, Puglia, Italy
Start-End date: 07/07/2011 - 07/08/2011 **Duration:** 1 month
Goals of the stay: Post-doctoral
Provable tasks: Quality determinations of fresh fruits and vegetables by non-destructive methods (NIR).
- 2 Entity:** Università degli Studi della Tuscia
City of entity: Viterbo, Sardegna, Italy
Start-End date: 14/11/2106 - 18/12/2006 **Duration:** 1 month - 5 days
Goals of the stay: Post-doctoral
Provable tasks: desarrollo de tecnología postcosecha para la aplicación de etanol en la conservación de peras y para la puesta a punto de sistemas de NIR (Near InfraRed technology) en la detección de daños latentes en fruta.

- 3** **Entity:** Universidad de California, UC Davis, EEUU. **Type of entity:** University
Faculty, institute or centre: Department of Plant Sciences. Pomology.
City of entity: Davis, United States of America
Start-End date: 01/06/2005 - 30/09/2005 **Duration:** 4 months
Goals of the stay: Post-doctoral
Provable tasks: Estancia para el desarrollo de técnicas de fisiología postcosecha en cítricos mínimamente procesados en fresco. Establecimiento de la vida comercial tras el estudio de la evolución de la calidad (sensorial y nutritiva) bajo distintos tipos de corte a distintas temperaturas.

Scientific societies and professional associations

- 1** **Name of the society:** International Society for Horticultural Science (ISHS), Commission Quality and Postharvest Horticulture
Professional category: Miembro de la Asociación
Start-End date: 2008 - 2019
- 2** **Name of the society:** Sociedad Iberoamericana de Ciencias y Técnicas del Frío (CYTEF)
Professional category: Miembro de la Sociedad
Start-End date: 2001 - 2019
- 3** **Name of the society:** Asociación Iberoamericana de Tecnología Postcosecha (AITEP)
Professional category: Miembro de la Sociedad
Start-End date: 2000 - 2019

Prizes, mentions and distinctions

- 1** **Description:** Premio "Isaac Peral y Caballero" al mejor investigador de la Universidad Politécnica de Cartagena, otorgado por el Consejo Social de la UPCT en reconocimiento a "su distinguida labor investigadora materializada a través del desarrollo de actividades de I+D+i en convocatorias públicas competitivas y su prolífica producción científica de alta calidad e impacto".
Awarding entity: Universidad Politécnica de Cartagena **Type of entity:** University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 17/01/2022
- 2** **Description:** Premio SAKATA 25 aniversario de Investigación y transferencia al Grupo de Postrecolección y Refrigeración por su trayectoria en el "Desarrollo y Transferencia de Tecnología Postcosecha al sector industrial".
Awarding entity: SAKATA SEED IBERICA **Type of entity:** Business
City awarding entity: Madrid
Conferral date: 06/10/2021
Recognition linked: <https://sakatapremios.com/premio-25aniversario/>
- 3** **Description:** Concurso para la adjudicación del Proyecto Básico, de ejecución y dirección de obra de su nueva central hortofrutícola de productos ecológicos
Awarding entity: TOÑIFRUIT SL
City awarding entity: Alhama de Murcia
Conferral date: 23/01/2020

- 4** **Description:** Premio de la V Edición de los Premios de la Red de Cátedras, otorgado por G'S ESPAÑA al mejor Trabajo Fin de Grado en Investigación en el ámbito agroalimentario presentado por Dña. Paula Rubí Pérez Crespo y dirigido por los Drs. Francisco Artés Hernández, Tammila Venzke Klug y Perla Gómez di Marco
Awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 14/03/2019
- 5** **Description:** Premio de la V Edición de los Premios de la Red de Cátedras, otorgado por G'S ESPAÑA al mejor Trabajo Fin de Master en Investigación en el ámbito agroalimentario presentado por Dña. María del Mar Carrión Monteagudo y dirigido por los Drs. Francisco Artés Hernández y Ginés Benito Martínez Hernández
Awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 14/03/2019
- 6** **Description:** Premio de la V Edición de los Premios de la Red de Cátedras, otorgado por SABIC al mejor Trabajo Fin de Grado en Investigación en el ámbito agroalimentario presentado por D. José Miguel Rojo García y dirigido por los Drs. Francisco Artés Hernández y Ginés Benito Martínez Hernández
Awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 14/03/2019
- 7** **Description:** Premio FUNDACIÓN COVIRAN (2ª Edición) al desarrollo de un Hummus de brócoli como "Producto final o prototipo de producto elaborado a partir de alimentos de origen vegetal de carácter innovador y que no se encuentre comercializado". Dotado con 12.000 € más el apoyo y/o tutorización para la fabricación y/o comercialización del producto
Awarding entity: FUNDACIÓN COVIRAN
City awarding entity: Granada, Andalusia, Spain
Conferral date: 15/12/2018
- 8** **Description:** Premio de Investigación otorgado por G's España al mejor Trabajo Fin de Grado en estudios y soluciones en el ámbito agroalimentario presentado por D. Alejandro Vidal García y dirigido por los Drs. Francisco Artés Hernández y Francisco Artés Calero
Awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 14/03/2018
- 9** **Description:** Premio de Investigación otorgado por G's España al mejor Trabajo Fin de Máster en estudios y soluciones en el ámbito agroalimentario presentado por D. José Ginés Abril y dirigido por los Drs. Francisco Artés Hernández y Francisco Artés Calero
Awarding entity: Universidad Politécnica de Cartagena
Type of entity: University
City awarding entity: Cartagena, Region of Murcia, Spain
Conferral date: 14/03/2018
- 10** **Description:** Premio "Isaac Peral y Caballero", otorgado por el Consejo Social de la UPCT en reconocimiento al Grupo de Investigación por haberse distinguido en la producción científica durante los últimos años



Awarding entity: Universidad Politécnica de Cartagena

Type of entity: University

City awarding entity: Cartagena, Region of Murcia, Spain

Conferral date: 22/01/2018

- 11 Description:** Premio de Investigación, otorgado por G's España al mejor Trabajo Fin de Máster en estudios y soluciones en el ámbito agroalimentario presentado por Dña. Noelia Castillejo y dirigido por los Drs. Francisco Artés Hernández y Francisco Artés Calero

Awarding entity: Universidad Politécnica de Cartagena

Type of entity: University

City awarding entity: Cartagena, Region of Murcia, Spain

Conferral date: 02/03/2016

- 12 Description:** Premio "Isaac Peral y Caballero", otorgado por el Consejo Social de la UPCT en reconocimiento al Grupo de Investigación por haberse distinguido en la producción científica durante los últimos años

Awarding entity: Universidad Politécnica de Cartagena

Type of entity: University

City awarding entity: Cartagena, Region of Murcia, Spain

Conferral date: 01/2016

- 13 Description:** Premio "Isaac Peral y Caballero", otorgado por el Consejo Social de la UPCT en reconocimiento al Grupo de Investigación por haberse distinguido en la producción científica durante los últimos años

Awarding entity: Universidad Politécnica de Cartagena

Type of entity: University

City awarding entity: Cartagena, Region of Murcia, Spain

Conferral date: 01/2009