



Irene Epifanio López

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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.

I am currently a Full Professor in the area of Statistics and Operations Research at the Universitat Jaume I, since 03/26/2021. I obtained a degree in Mathematics in 1997 from Valencia University (carried out in 4 academic years, with Outstanding Achievement). Subsequently, I won an R&D grant at the IMPIVA of the Generalitat Valenciana, developed throughout the year 1998. In 1999, I won a FPI grant from the Ministry at Valencia University. In September 2000, I joined to the Mathematics dept. from the Universitat Jaume I, as an assistant professor. In 2002 I obtained my PhD in Statistics, with the extraordinary PhD Award from the Universitat de València in 2003. In 2015 I received the Award for university teaching excellence from the Universitat Jaume I; in 2018, the Banco Santander-UJI Scientific Dissemination Award; in 2021, the UJI Social Commitment - Banco Santander award, and in 2022, the Margarita Salas award from Talent Woman Spain. Therefore, I have received awards in all university facets (social commitment, dissemination, teaching and research), and my students have also received awards in the research field for the work I have supervised them. In 2011 I had a break of almost a year due to sick leave resulting from pregnancy plus maternity leave, longer than usual due to hospitalization of the baby.

My research has been multidisciplinary or more correctly interdisciplinary since the beginning. I started making contributions in Statistical Image Processing (SIP), highlighting the publication in IEEE IP 2006 (3% most cited in Scopus), with Simoncelli, who is a renowned researcher, especially for Steerable Pyramids. After the PhD, I started a new line, in Functional data analysis (FDA), I highlight Technometrics 2008 (18% most cited), cited by renowned researchers, such as Rob J. Hyndman or Peter Hall (in 5 papers). Later, I combined the lines of SIP and FDA; and I started a new line in Archetypal Analysis (AA). I highlight CSDA 2015 (18% most cited). I have also combined the three lines SIP, FDA and AA. The renowned statistician Hans-Georg Müller has cited my works in AA, four of them are among the 15% most cited. I have also made contributions in different fields of statistical learning, such as Random Forest (BMC Bioinformatics, 18% most cited), on many occasions derived from problems in other fields, such as Neuroscience, Remote Sensing, Biomechanics, Ophthalmology, Ergonomics, etc. For example, IEEE Geoscience 2007 (15% most cited) with Pierre Soille, a world-renowned researcher in Mathematical Morphology or CAIE 2016 (20% most cited).

Regarding scientific dissemination, I have carried out activities for schoolchildren (virtual escape room with more than 200,000 participants), for teachers (workshop with more than 600 participants), many talks, 3 articles in national newspapers, The Conversation, etc. I have a YouTube channel with 600,000 views. The Ten rules paper of Plos Comp Bio (2020) is 1% most cited in Scopus.



As regards management, evaluator of projects for AEI (Spain), Italy, Romania, Belgium, Netherlands and Luxembourg. Referee of more than 100 papers in JCR journals, more than 60 in the 1st third in JCR, and "Outstanding reviewer" of CSDA. First chair of the CEMat Women in Mathematics Committee in 2021. Member of the RSME Women and Mathematics Commission and of the P3E Group of the Caucus for Women in Statistics during 2020 and 2021. In addition, Spanish CWM Ambassador (IMU) in 2021. Chosen for belonging to the Working Group to monitor gender equality actions in R+D+I of the Observatory for Women, Science and Innovation of the Ministry since 2021. Secretary of the Isonomia Foundation Board of Trustees (Universitat Jaume I) since 2022. Other management activities: member of many university commissions, Secretary of Junta PDI 2017-2019, etc. Invited talks on science and gender at ANECA, Soc. Española Astronomía, etc.

Regarding teaching, the assessment in all courses is very positive (always above 4 out of 5), and in most, 17 out of 23, excellent. 2 papers + 30 presentations at conferences on teaching innovation (19 international and 26 published in proceedings with ISBN, 10 indexed in Conference Proceedings Citation Index, Web of Science or Scopus). Participation in 29 educational innovation projects (15 PI). Author of 3 teaching books with ISBN, peer-reviewed and open: 1) Guide for university teaching with a gender perspective in Mathematics. Xarxa Vives d'Universitats, 2020 (published in 4 languages: Spanish, Catalan, Galician and English), and recognized by the European Institute for Gender Equality (EIGE); 2) Ampliación de Estadística para la Ingeniería Técnica en Informática de Gestión. UJI. 2009; 3) Estadística bàsica per a l'Enginyeria Tècnica en Informàtica de Gestió. UJI. 2010. Member of scientific and organizer committee of various international teaching conferences. Editor of their proceedings, indexed in Web of Science (2018).

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.

Sexenios: 4 (1998-2003, 2004-2009, 2010-2015, 2016-2021). Relative sexenios: 100%, all possible sexenios. Note that the current regulations consider as a research period that with research activity after the year of the degree, and I finished my degree in 1997 and my PhD in 2002.

According to Web of Science, the h-index is 16, in Scopus the h-index is 17, while in Google scholar, the h-index is 24, with an i10 index of 39. The total number of citations is 729 according to Web of Science, 870 according to Scopus and 1535 according to Google Scholar. I have published a total of 55 papers in peer-reviewed journals. Of these, 47 appeared in the JCR in their year of publication, 2 more were in newly created journals, which were included in JCR in years after their publication, 6 articles in recently created journals indexed in Scopus, but without an index of impact at the moment, although 5 of them are in the Emerging Source Citation Index. Of the journals in which I have published, 36 of them are in the 1st third of the list (9 in the 2nd third and only 4 in the last third) and 28 in the 1st quartile of JCR. I have been the first signatory or corresponding author in 37 papers, and in 5 of them I have been the unique author.

I have supervised 5 PhD students in Statistics, with 3 awards hitherto:

-Noelia Ventura. Contributions to statistical learning for magnetic resonance images, 2013. Extraordinary PhD Award in Science from Jaume I University.

-Guillermo Vinué. Development of statistical methodologies applied to anthropometric data oriented towards the ergonomic design of products, 2014. Extraordinary PhD Award in Mathematics from the University of Valencia. PhD program with mention towards Excellence MEE2011-0204.

- Ismael Cabero. Some contributions to archetypal analysis with applications, 2019. Jaume I Univ.

-Lara Ferrando. Neuroscience in algebraic problem solving: Studying the reversal error, 2021. Jaume I Univ. Honorable mention in XVI Ciutat d'Algemesí Technical Scientific Award 2021.

-Aleix Alcacer. New developments and applications of archetypal analysis. 2024. Jaume I Univ. (Industrial PhD + International mention).

Moreover, I have supervised 14 Master's thesis (TFM) and 4 Bachelor's thesis (TFG), 12 TFM and 3 TFG in Statistics, with two national awards: one for the best TFM of FACSA and another for the best TFG of the Applied Statistics STUDENT Contest.



I have presented a total of 44 communications in conferences: 32 international and 12 national. 20 of the international ones have ISBNs, and 3 of the national ones were also published in proceedings with ISBNs. The proceedings of 4 of them are indexed in the ISI Web of Knowledge base. A total of 8 invited papers at international conferences, being keynote in one of them. I have participated in the organization of 2 scientific conferences and 6 workshops (3 scientific and 3 for the dissemination of mathematics). One student received the 2nd Prize in the Early-Stage Researcher at the XIV Spanish Conf on Biometrics and another was finalist in 2019.

I have participated in 24 research projects obtained in competitive public calls: 10 national (Ministry, 1 as PI), 7 regional (Generalitat Valenciana, 1 as PI), 6 (2 as PI) local (Universitat Jaume I), 1 Spain-United Kingdom Integrated Actions (Ministry). I am the director of an FPU-Ministry grant (2021-2025).

I have 3 software packages for R on CRAN.



Irene Epifanio López

Surname(s): **Epifanio López**
Name: **Irene**
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ORCID: **0000-0002-6973-311X**
ScopusID: **6602560125**
ResearcherID: **B-7285-2015**
Google scholar: **<http://scholar.google.es/citations?user=RMWHA6QAAAAJ&hl=es>**
Date of birth: **[REDACTED]**
Gender: **Female**
Nationality: **Spain**
City of birth: **Valencia**
Contact address: **Dep. Matemàtiques**
Rest of contact address: **Campus del Riu Sec; Universitat Jaume I**
Postcode: **12071**
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Contact city: **Castelló**
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Current professional situation

- 1** **Employing entity:** ValgrAI - Valencian Graduate School and Research Network of Artificial Intelligence **Type of entity:** University Research Institute
Professional category: Senior Research Fellow
Start date: 2024
Primary (UNESCO code): 120909 - Multivariate analysis
Secondary (UNESCO code): 120903 - Data analysis; 120999 - Other
Tertiary (UNESCO code): 120304 - Artificial intelligence
- 2** **Employing entity:** Universitat Jaume I **Type of entity:** University
Department: Escuela Técnica Superior de Tecnología y Ciencias Experimentales
Professional category: Catedrática de Universidad (Full Professor) **Leadership and management (Y/N):** Yes
City employing entity: Castellón, Valencian Community, Spain
Start date: 26/03/2021
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 120909 - Multivariate analysis
Secondary (UNESCO code): 120903 - Data analysis; 120999 - Other
Tertiary (UNESCO code): 120304 - Artificial intelligence

Previous positions and activities



	Employing entity	Professional category	Start date
1	Universitat Jaume I	Profesora Titular de Universidad	21/04/2009
2	Universitat Jaume I	Secretaría de la Junta de PDI	01/05/2017
3	Universitat de València	Becaria FPI Ministerio	01/01/1999
4	IMPIVA (Instituto de la Mediana y Pequeña Industria Valenciana de la Generalitat Valenciana)	Beca de Especialización Profesional Superior del IMPIVA, (fondos europeos)	01/01/1998
5	Universitat Jaume I	Secretaria del Patronato de la Fundación Isonomia	14/12/2022
6	Universitat Jaume I	Profesora Contratada Doctora	01/02/2006
7	Universitat Jaume I	Ajudant/a Facultat Segon Periode	01/11/2003
8	Universitat Jaume I	Ajudant/a Facultat Primer Periode	01/11/2001
9	Universitat Jaume I	Ajudant/a d'Escola Universitària	01/10/2000

- 1** **Employing entity:** Universitat Jaume I **Type of entity:** University
Department: Dep. de Matemàtiques
City employing entity: Castellón, Valencian Community, Spain
Professional category: Profesora Titular de Universidad **Leadership and management (Y/N):** No
Start-End date: 21/04/2009 - 25/03/2021
Dedication regime: Full time
- 2** **Employing entity:** Universitat Jaume I
Professional category: Secretaría de la Junta de PDI
Start-End date: 01/05/2017 - 31/01/2019
- 3** **Employing entity:** Universitat de València **Type of entity:** University
Professional category: Becaria FPI Ministerio
Start-End date: 01/01/1999 - 30/09/2000
- 4** **Employing entity:** IMPIVA (Instituto de la Mediana y Pequeña Industria Valenciana de la Generalitat Valenciana)
Professional category: Beca de Especialización Profesional Superior del IMPIVA, (fondos europeos)
Start-End date: 01/01/1998 - 20/12/1998 **Duration:** 1 year
- 5** **Employing entity:** Universitat Jaume I
Professional category: Secretaria del Patronato de la Fundación Isonomia
Start date: 14/12/2022
- 6** **Employing entity:** Universitat Jaume I **Type of entity:** University
Department: Dep. de Matemàtiques
City employing entity: Castellón, Valencian Community, Spain
Professional category: Profesora Contratada Doctora **Leadership and management (Y/N):** No
Start date: 01/02/2006 **Duration:** 78 months
Dedication regime: Full time
- 7** **Employing entity:** Universitat Jaume I **Type of entity:** University
Department: Dep. de Matemàtiques
City employing entity: Castellón, Valencian Community, Spain



Professional category: Ajudant/a Facultat Segon Periode **Leadership and management (Y/N):** No

Start date: 01/11/2003

Duration: 54 months

Dedication regime: Full time

8 **Employing entity:** Universitat Jaume I

Type of entity: University

Department: Dep. de Matemàtiques

City employing entity: Castellón, Valencian Community, Spain

Professional category: Ajudant/a Facultat Primer Periode **Leadership and management (Y/N):** No

Start date: 01/11/2001

Duration: 48 months

Dedication regime: Full time

9 **Employing entity:** Universitat Jaume I

Type of entity: University

Department: Dep. de Matemàtiques

City employing entity: Castellón, Valencian Community, Spain

Professional category: Ajudant/a d'Escola Universitària

Leadership and management (Y/N): No

Start date: 01/10/2000

Duration: 13 months

Dedication regime: Full time



Education

University education

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

Name of qualification: Licenciatura en Matemáticas

Degree awarding entity: Universitat de València

Type of entity: University

Date of qualification: 28/07/1997

Average mark: Excellent

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Estadística e Investigación Operativa

Degree awarding entity: Universitat de València

Type of entity: University

Date of degree: 29/07/2002

Thesis title: Texture description: applications to image coding and classification

Obtained qualification: Sobresaliente Cum Laude

Special doctorate award: Yes

Date of award: 26/09/2003

Other postgraduate university studies

Postgraduate qualification: 12 créditos del programa de doctorado: Tecnología de la Información, Computación y Comunicación.

Degree awarding entity: Universitat de València

Type of entity: University

Date of qualification: 30/09/2000

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian	B1	B1	B1	B1	B1
English	B2	B2	B2	B2	B2
Catalan	C2	C2	C2	C2	C2

Teaching experience



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Implementación de un Sistema de Control Estadístico de Calidad en Procesos de Producción de Empaques Flexibles en la Industria Plástica
Type of project: Trabajo fin de máster (Matemática Computacional)
Entity: Universitat Jaume I
Student: Joan Lisintuñia Cisneros Luis David
Date of reading: 10/2024
- 2** **Project title:** Morfología matemática en análisis de imágenes. Teoría y aplicaciones con Octave
Type of project: Trabajo fin de máster (Matemática Computacional)
Entity: Universitat Jaume I
Student: Joan Rodríguez Barrachina Rafael
Date of reading: 10/2024
- 3** **Project title:** New developments and applications of archetypal analysis
Type of project: Doctoral thesis
Entity: Universidad Jaume I
Student: Aleix Alcacer
Date of reading: 27/09/2024
Narrative Explanation: Mención internacional y doctorado industrial.
- 4** **Project title:** Programa de formación con perspectiva de género para el profesorado. Instagram, Tik Tok y Youtube como recursos educativos para el aula de tutoría en Educación Secundaria Obligatoria
Entity: Universitat Jaume I
Student: Beatriz Díaz Fernández
Date of reading: 05/2023
- 5** **Project title:** Bosques aleatorios supervisados y no supervisados. Aplicación al análisis de desigualdades económicas en el mundo
Type of project: Trabajo fin de máster (Matemática Computacional)
Entity: Universitat Jaume I
Student: Joan Boters
Obtained qualification: 9.7 Matrícula de honor
Date of reading: 10/2021
- 6** **Project title:** Las mujeres en el sindicato Comisiones Obreras, avances y retos. Propuestas y estrategias para mejorar la igualdad de las mujeres en el mundo sindical
Type of project: Trabajo fin de máster
Entity: Universitat Jaume I
Student: Mariola Gomis
Date of reading: 09/2021
- 7** **Project title:** Análisis estadístico del impacto del COVID en la violencia contra las mujeres
Type of project: Trabajo fin de grado
Entity: Universitat Jaume I
Student: Sofía Peinado
Date of reading: 06/2021



- 8** **Project title:** Neuroscience in algebraic problem solving: Studying the reversal error
Type of project: Doctoral thesis
Entity: Universidad Jaume I
Student: Lara Ferrando
Date of reading: 15/01/2021
- 9** **Project title:** Análisis de biarquetipos: definición y aplicación al análisis deportivo
Type of project: Trabajo fin de máster (Matemática Computacional)
Entity: Universidad Jaume I
Student: Aleix Alcacer
Obtained qualification: 10
Date of reading: 2020
- 10** **Project title:** Some contributions to archetypal analysis with applications
Type of project: Doctoral thesis
Entity: Universidad Jaume I
Student: Ismael Cabero Fayos
Date of reading: 27/11/2019
- 11** **Project title:** Classificació d'estructures cerebrals en 3D amb anàlisi de dades funcionals. Aplicació a problemes verbals amb errors d'inversió
Type of project: Tesis de máster (trabajo fin de máster)
Entity: Universidad Jaume I
Student: Lara Ferrando Esteve
Date of reading: 2019
- 12** **Project title:** Estudio del aprendizaje en música y las habilidades matemáticas en neuroimagen mediante bosques aleatorios
Type of project: Trabajo fin de grado (Matemática Computacional)
Entity: Universidad Jaume I
Student: Lucía Masero Bravo
Date of reading: 2019
- 13** **Project title:** Aplicació en Didàctica de la Matemàtica de l'Anàlisi d'Arquetipoids
Type of project: Trabajo fin de Máster (Matemática Computacional)
Entity: Universitat Jaume I **Type of entity:** University
Student: Ismael Cabero Fayos
Date of reading: 11/07/2018
- 14** **Project title:** Algunas técnicas matemáticas usadas en la compresión de datos. Aplicación en imágenes digitales
Type of project: Tesis Fin de Grado Matemática Computacional
Entity: Universitat Jaume I **Type of entity:** University
Student: Aleix Alcácer Sales
Date of reading: 2018
- 15** **Project title:** Mètodes de classificació aplicats a errors d'inversió amb neuroimatges
Type of project: Trabajo fin de Grado Matemática computacional
Entity: Universitat Jaume I **Type of entity:** University
Student: Lara Ferrando Esteve
Obtained qualification: Premio al mejor TFG del concurso nacional STUDENT de Estadística Aplicada (Universitat Autònoma de Barcelona y el Instituto de Estadística de Catalunya)



Date of reading: 2018

- 16** **Project title:** Analysis of sea water infiltration in a sewage treatment plant using Random Forests and variable importance measures
Type of project: Tesis de máster
Entity: UNIVERSITAT JAUME I **Type of entity:** University
Student: Cristobal Rodero Gómez
Date of reading: 24/11/2017
- 17** **Project title:** Bivariate Functional Archetypoid Analysis: An Application to Financial Time Series
Type of project: Tesis de máster
Entity: UNIVERSITAT JAUME I **Type of entity:** University
Student: Jesús Moliner Moliner
Date of reading: 23/11/2017
- 18** **Project title:** Outliers de datos funcionales para la detección de caudales anómalos en el sector hidráulico
Type of project: Tesis de máster (trabajo fin de máster)
Entity: Universitat Jaume I
Student: Laura Millán Roures
Obtained qualification: Premio al mejor TFM FACSA
Date of reading: 25/09/2017
- 19** **Project title:** Diseño de escenarios para la obtención de preferencias declaradas
Type of project: Tesis de máster (trabajo fin de máster)
Entity: Universitat Jaume I **Type of entity:** University
Student: María Soler Martínez
Date of reading: 22/11/2016
- 20** **Project title:** Contributions to statistical learning for Magnetic Resonance Images
Type of project: Doctoral thesis
Co-director of thesis: César Carlos Ávila Rivera
Entity: Universitat Jaume I **Type of entity:** University
City of entity: Castellón, Valencian Community, Spain
Student: Noelia Ventura Campos
Obtained qualification: Apte Cum Laude (Premio extraordinario de doctorado)
Date of reading: 13/03/2013
European doctorate: No
- 21** **Project title:** Clúster de datos funcionales. Aplicación en la segmentación de imágenes aéreas
Type of project: Tesis de máster (trabajo fin de máster)
Entity: Universitat Jaume I **Type of entity:** University
Student: Ana Manrique Barrué
Date of reading: 04/02/2011
- 22** **Project title:** Development of statistical methodologies applied to anthropometric data oriented towards the ergonomic design of products
Type of project: Doctoral thesis
Co-director of thesis: León Mendoza Maria Teresa
Entity: Universitat de Valencia. Dept. Estadística e Investigación Operativa
City of entity: Universitat de Valencia. Dept. Estadística e Investigación Operativa,
Student: Vinué Visús Guillermo



Obtained qualification: Sobresiente Cum Laude. Premio extraordinario de doctorado

Date of reading: 29/05/2014

European doctorate: No

Quality recognition: Yes

Date of award: 2011

23 Project title: Discriminación de datos funcionales multivariantes usando ICA: análisis de diferencias hipocampales en la enfermedad de Alzheimer.

Type of project: Tesis de máster (trabajo fin de máster)

Entity: Universitat Jaume I

Type of entity: University

Student: Noelia Ventura Campos

Date of reading: 25/09/2008

Awards received for innovation in the field teaching

1 Name of the prize: Premio Margarita Salas

Awarding entity: Talent Woman Spain

City awarding entity: Málaga,

Conferral date: 03/11/2022

2 Name of the prize: Premio de Investigación y género en actividad docente por "La perspectiva de género en la docencia universitaria: generando conocimiento transformador"

Awarding entity: Universitat Jaume I

City awarding entity:

Conferral date: 26/10/2022

3 Name of the prize: Award for the best presentation and best paper in "Diversity, equity and gender in digital education" por "Analysis of the contributions to the SDGs of university students by degrees" publicado en IEEE

Awarding entity: XII International Conference on VIRTUAL CAMPUS (2022)

City awarding entity: Arequipa, Peru

Conferral date: 30/09/2022

4 Name of the prize: Premio a la excelencia docente universitaria

Awarding entity: Consejo Social de la Universitat Jaume I

City awarding entity:

Conferral date: 27/02/2015

Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Análisis de imagen, recuperación y modelización
Aims of the group: Análisis de imágenes 2D y 3D. Extracción de características relevantes. Modelización de procesos biológicos. Ayuda al diagnóstico médico
Name of principal investigator: Juan Domingo
Standardised code: GIUV2013-113
Affiliation entity: Universitat de València
Start date: 15/01/2014
Type of entity: University
- 2** **Name of the group:** Análisis de formas 2D y 3D, Aprendizaje Estadístico en Inteligencia Artificial, Estereología
Aims of the group: Shape Analysis. Aplicaciones en medicina y antropometría; Big Data. Aprendizaje estadístico supervisado y no supervisado (análisis de arquetipos, bosques aleatorios, redes neuronales, multidimensional scaling, clustering, etc.); Análisis de datos funcionales; Análisis de imágenes. Conjuntos aleatorios cerrados y procesos puntuales; Desarrollo e implementación de ecuaciones en estereología
Name of principal investigator: Amelia Simó Vidal
Standardised code: 153
City of group: Castellón de la Plana, Valencian Community, Spain
Affiliation entity: Universitat Jaume I
Start date: 29/07/2009

Scientific or technological activities

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

- 1** **Name of the project:** CIPROM/2023/66 Statistical learning methods based on archetypal analysis for complex and big data with applications
Entity where project took place: Universitat Jaume I
Name principal investigator (PI, Co-PI....): I Epifanio
Nº of researchers: 6
Funding entity or bodies: Generalitat Valenciana
Type of entity: Body, others
Start-End date: 01/09/2024 - 30/08/2028
Total amount: 484.590 €
- 2** **Name of the project:** PID2022-141699NB-I00 DESARROLLO DE TÉCNICAS DE APRENDIZAJE ESTADÍSTICO Y REDES NEURONALES A LA VARIEDAD DE RIEMANN DEL ESPACIO DE LA FORMA TRIDIMENSIONAL. APLICACIONES EN BIOMECAÁNICA
Entity where project took place: Universitat Jaume I
Name principal investigator (PI, Co-PI....): M.V. Ibáñez
Nº of researchers: 5
Start-End date: 01/09/2023 - 31/08/2026



- 3** **Name of the project:** Dirección ayuda contrato predoctoral FPU20/01825 Ministerio de Ciencia a Aleix Alcacer
Entity where project took place: Universitat Jaume I
Start-End date: 01/12/2021 - 30/09/2025
- 4** **Name of the project:** PID2020-118763GA-I00 Estudio de la neuroplasticidad en el aprendizaje de resolución de problemas aritmético-algebraicos con error de inversión
Entity where project took place: Universitat Jaume I
Nº of researchers: 5
Funding entity or bodies: Ministerio de Ciencia e Innovación
Type of entity: Ministerio
Start-End date: 01/09/2021 - 31/08/2025
Total amount: 48.400 €
- 5** **Name of the project:** APRENENTATGE ESTADÍSTIC PER BIG DATA. APLICACIONS EN INDÚSTRIA I MEDICINA
Entity where project took place: Universitat Jaume I
Name principal investigator (PI, Co-PI....): Irene Epifanio
Nº of researchers: 4
Funding entity or bodies: Universitat Jaume I
Start-End date: 01/01/2021 - 31/12/2023
Total amount: 15.000 €
- 6** **Name of the project:** Dirección ayuda contrato predoctoral ACIF/2021/015 de la Generalitat Valenciana de Aleix Alcacer
Entity where project took place: Universitat Jaume I
Start-End date: 01/10/2021 - 30/11/2021
- 7** **Name of the project:** DPI2017-87333-R PROCEDIMIENTOS DE BIG DATA PARA LA ASIGNACION DE TALLA DE CALZADO EN VENTA ONLINE CON INFORMACION ANTROPOMETRICA 3D
Entity where project took place: Universitat Jaume I, IBV, U. Valencia
Name principal investigator (PI, Co-PI....): Irene Epifanio; M. Victoria Ibáñez
Nº of researchers: 9
Funding entity or bodies: Ministerio de Economía, Industria y Competitividad
Type of entity: Agencia estatal investigación
Start-End date: 01/01/2018 - 31/08/2021
Total amount: 53.240 €
- 8** **Name of the project:** Statistical learning for big data problems applied to child garment size matching
Entity where project took place: Universitat Jaume I
Type of entity: University
Name principal investigator (PI, Co-PI....): Irene Epifanio
Nº of researchers: 4
Funding entity or bodies: Universitat Jaume I
Type of entity: University
Start-End date: 01/01/2018 - 31/12/2020
Total amount: 8.446 €



9 **Name of the project:** HERRAMIENTAS PARA LA PREDICCIÓN DE LA TALLA Y EL AJUSTE DE ROPA INFANTIL A PARTIR DE LA RECONSTRUCCIÓN 3D DEL CUERPO Y DE TÉCNICAS BIG DATA

Geographical area: Projecte d'Investigació Nacional

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): Amelia Simó Vidal

Nº of researchers: 7

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y COMPETITIVIDAD **Type of entity:** ADMINISTRACIÓN CENTRAL

City funding entity: Madrid, Spain

Code according to the funding entity: DPI2013-47279-C2-1-R

Start-End date: 01/01/2014 - 31/12/2017

Duration: 48 months

Total amount: 65.340 €

Dedication regime: Full time

10 **Name of the project:** MODELOS Y METODOS GEOESTADISTICOS, DE LA GEOMETRIA ESTOCASTICA Y DEL ANALISIS DE DATOS FUNCIONALES. APLICACIONES EN EL AMBITO DE LA MEDICINA Y LA BIOMECHANICA

Geographical area: Projecte d'Investigació Local

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): María Victoria Ibáñez Gual

Nº of researchers: 2

Funding entity or bodies:

Universidad Jaime I

Type of entity: UNIVERSIDAD

City funding entity: Castelló de la Plana, Spain

Code according to the funding entity: P1·1A2011-11

Start-End date: 01/01/2012 - 31/12/2014

Duration: 36 months

Total amount: 13.685 €

11 **Name of the project:** GEOMETRIA INTEGRAL, ESTEREOLOGIA Y ANALISIS DE IMAGEN MEDICA.SOLICITUD: SPID200901X013790SV0

Geographical area: Projecte d'Investigació Nacional

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): José Joaquín Gual Arnau

Nº of researchers: 5

Funding entity or bodies:

MINISTERIO DE CIENCIA E INNOVACION

Type of entity: ADMINISTRACIÓN CENTRAL

City funding entity: Madrid, Spain

Code according to the funding entity: MTM2009-14500-C02-02/MTM

Start-End date: 01/01/2010 - 31/12/2013

Duration: 48 months

Total amount: 27.588 €

Dedication regime: Part time

12 **Name of the project:** MODELOS ESTADISTICOS Y TECNICAS DE ANALISIS DE IMAGEN PARA TRATAMIENTO DE DATOS DE MICROPERIMETRIAS FUNDUSCOPICAS EN PACIENTES TRATADOS CON ANTIPALUDICOS

Geographical area: Projecte d'Investigació Autònomic

Degree of contribution: Researcher



Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): María Victoria Ibáñez Gual

N° of researchers: 3

Funding entity or bodies:

Generalitat Valenciana CONSELLERIA D'EDUCACIO **Type of entity:** ADMINISTRACIÓN AUTONÓMICA

City funding entity: València, Spain

Code according to the funding entity: GV/2011/004

Start-End date: 01/01/2011 - 31/12/2012

Duration: 24 months

Total amount: 10.000 €

13 Name of the project: APLICACION DE TECNICAS MORFOMETRICAS AL DISEÑO Y EVALUACION FUNCIONAL DE INDUMENTARIA

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): Guillermo Ayala Gallego

Name of the programme: Ministerio de Ciencia y Tecnología

Code according to the funding entity: TIN2009-14392-C02-01

Start-End date: 01/01/2010 - 31/12/2012

Total amount: 52.900 €

14 Name of the project: ESTADISTICA ESPACIAL Y ANALISIS DE DATOS FUNCIONALES: APLICACIONES AL TRATAMIENTO DE IMAGENES MEDICAS Y A BIOMECANICA

Geographical area: Projecte d'Investigació Local

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): María Victoria Ibáñez Gual

N° of researchers: 2

Funding entity or bodies:

Universidad Jaime I

Type of entity: UNIVERSIDAD

City funding entity: Castelló de la Plana, Spain

Name of the programme: CONVOCATORIA DE PROYECTOS DE INVESTIGACION CIENTIFICA Y DESARROLLO TECNOLÓGICO (PLAN DE PROMOCION DE LA INVESTIGACION DE LA UJI, 2009) *
Modalidad A: Emergentes

Code according to the funding entity: P1·1A2009-02

Start-End date: 01/01/2010 - 31/12/2011

Duration: 24 months

Total amount: 8.000 €

15 Name of the project: Procedimientos de realimentación basados en métodos estadísticos para la recuperación por contenido en bases de datos de imágenes

Geographical area: Projecte d'Investigació Nacional

Degree of contribution: Researcher

Entity where project took place: Universitat de València

Type of entity: University

Name principal investigator (PI, Co-PI....): Guillermo Ayala Gallego

Funding entity or bodies:

Ministerio de Ciencia y Tecnología

Code according to the funding entity: TIN2006-10134

Start-End date: 01/01/2006 - 31/12/2009

Duration: 3 years

Total amount: 61.400 €

**16 Name of the project:** ESTEREOLOGIA Y ANALISIS DE IMAGEN: TEORIA Y APLICACIONES EN RADIOTERAPIA**Geographical area:** Projecte d'Investigació Nacional**Degree of contribution:** Researcher**Entity where project took place:** Universitat Jaume I**Name principal investigator (PI, Co-PI....):** José Joaquín Gual Arnau**Nº of researchers:** 6**Funding entity or bodies:**

MINISTERIO DE EDUCACION, CULTURA Y DEPORTE

Type of entity: ADMINISTRACIÓN CENTRAL**City funding entity:** Madrid, Spain**Name of the programme:** CONVOCATORIA DE AYUDAS PARA LA REALIZACION DE PROYECTOS DE INVESTIGACION EN EL MARCO DE ALGUNOS PROGRAMAS NACIONALES DEL PLAN NACIONAL DE I+D+I 2004-2007. * Proyectos de Investigación en el marco de los Programas Nacionales de Biotecnología, Biología Fundamental, Energía, Medios de Transporte, Construcción, Ciencias y Tecnol. Químicas, Diseño y Producción Industrial, Astronomía y Astrofísica, Matemáticas, Tecnol. Informáticas y Ciencias Sociales, Económicas y Jurídicas.**Code according to the funding entity:** MTM2005-08689-C02-02**Start-End date:** 31/12/2005 - 30/12/2008**Duration:** 36 months**Total amount:** 35.700 €**Dedication regime:** Part time**17 Name of the project:** MODELOS Y METODOS DE LA ESTADISTICA ESPACIAL: APLICACION A IMAGENES MEDICAS, OFTALMOLOGIA Y BIOMECANICA**Geographical area:** Projecte d'Investigació Local**Degree of contribution:** Researcher**Entity where project took place:** Universitat Jaume I**Name principal investigator (PI, Co-PI....):** Amelia Simó Vidal**Nº of researchers:** 4**Funding entity or bodies:**

Universidad Jaime I

Type of entity: UNIVERSIDAD**City funding entity:** Castelló de la Plana, Spain**Name of the programme:** PLAN DE PROMOCION DE LA INVESTIGACION EN LA UNIVERSITAT JAUME I PARA EL AÑO 2004. * PROYECTOS DE INVESTIGACION GRUPOS CONSOLIDADOS (MODALIDAD B)**Code according to the funding entity:** P1·1B2004-15**Start-End date:** 01/12/2004 - 30/11/2007**Duration:** 36 months**Total amount:** 18.400 €**18 Name of the project:** DESARROLLO DE MODELOS Y METODOS DE LA ESTADISTICA ESPACIAL PARA SU APLICACION A LAS CIENCIAS BIOMEDICAS**Geographical area:** Projecte d'Investigació Autònomic**Degree of contribution:** Researcher**Entity where project took place:** Universitat Jaume I**Name principal investigator (PI, Co-PI....):** Amelia Simó Vidal**Nº of researchers:** 4**Funding entity or bodies:**

Generalitat Valenciana CONSELLERIA DE CULTURA, EDUCACIO I ESPORT

Type of entity: ADMINISTRACIÓN AUTONÓMICA**City funding entity:** València, Spain



Name of the programme: CONVOCATORIA DE DIVERSAS AYUDAS Y BECAS PARA EL FOMENTO DE LA INVESTIGACION CIENTIFICA Y EL DESARROLLO TECNOLÓGICO EN LA COMUNIDAD VALENCIANA. * Projectes d'investigació científica i desenvolupament tecnològic (Modalitat B)

Code according to the funding entity: GV04B/032

Start-End date: 01/01/2004 - 01/01/2006

Duration: 24 months

Total amount: 20.497,78 €

19 Name of the project: DESARROLLO DE UN SISTEMA DE DETECCIÓN Y DIAGNOSIS DE FALLOS EN INSTALACIONES DE PRODUCCIÓN DE FRÍO

Geographical area: Projecte d'Investigació Autònomic

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): Joaquín Navarro Esbrí

Nº of researchers: 2

Funding entity or bodies:

Generalitat Valenciana CONSELLERÍA DE INDUSTRIA, COMERCIO Y TURISMO

Type of entity: ADMINISTRACIÓN AUTONÓMICA

City funding entity: València, Spain

Name of the programme: CONVOCATORIA DE AYUDAS PARA ACCIONES DE ARTICULACIÓN DEL SISTEMA VALENCIANO DE CIENCIA-TECNOLOGÍA-EMPRESA (SVCTE) PARA EL EJERCICIO 2004. * Renovació Projectes d'Investigació en Cooperació

Code according to the funding entity: IARCO/2004/011

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

Duration: 12 months

Total amount: 8.335,65 €

20 Name of the project: DESARROLLO DE UNA METODOLOGÍA CAPAZ DE EVALUAR EL COMPORTAMIENTO DE LOS NUEVOS MATERIALES ADAPTATIVOS PARA LA SATISFACCIÓN DEL CONFORT TÉRMICO EN PRODUCTOS DE USO HUMANO

Geographical area: Projecte d'Investigació Autònomic

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): Amelia Simó Vidal

Nº of researchers: 2

Funding entity or bodies:

Generalitat Valenciana CONSELLERÍA DE INDUSTRIA, COMERCIO Y TURISMO

Type of entity: ADMINISTRACIÓN AUTONÓMICA

City funding entity: València, Spain

Name of the programme: CONVOCATORIA DE AYUDAS PARA ACCIONES DE ARTICULACIÓN DEL SISTEMA VALENCIANO DE CIENCIA-TECNOLOGÍA-EMPRESA (SVCTE) PARA EL EJERCICIO 2004. * Projectes d'I+D+I en Cooperació

Code according to the funding entity: IARCO/2004/113

Start-End date: 01/01/2004 - 31/12/2005

Duration: 24 months

Total amount: 3.553,43 €

21 Name of the project: SALUD, CALIDAD DE VIDA E IMPLICACIÓN DE LOS USUARIOS MAYORES: UN ENFOQUE INTEGRADOR PARA EL DESARROLLO DE MUEBLES PARA MAYORES

Geographical area: Projecte d'Investigació Autònomic

Degree of contribution: Researcher

Entity where project took place: Universitat Jaume I

Name principal investigator (PI, Co-PI....): Amelia Simó Vidal

Nº of researchers: 4

Funding entity or bodies:Generalitat Valenciana CONSELLERÍA DE
INDUSTRIA, COMERCIO Y TURISMO**Type of entity:** ADMINISTRACIÓN AUTONÓMICA**City funding entity:** València, Spain**Name of the programme:** CONVOCATORIA DE AYUDAS PARA ACCIONES DE ARTICULACION DEL
SISTEMA VALENCIANO DE CIENCIA-TECNOLOGIA-EMPRESA (SVCTE) PARA EL EJERCICIO 2004. *
Projectes d'I+D+I en Cooperació**Code according to the funding entity:** IARCO/2004/134**Start-End date:** 01/01/2004 - 31/12/2005**Duration:** 24 months**Total amount:** 8.426,22 €**22 Name of the project:** Visión. Aplicaciones en medicina y modelos de vision**Geographical area:** Projecte d'Investigació Nacional**Degree of contribution:** Researcher**Entity where project took place:** Generalitat Valenciana**Funding entity or bodies:**

GENERALITAT VALENCIANA

Code according to the funding entity: GRUPOS04/08**Start-End date:** 01/01/2004 - 31/12/2005**Duration:** 24 months**23 Name of the project:** ESTEREOLOGIA Y ANALISIS DE IMAGEN: APLICACIONES EN RADIOLOGIA**Geographical area:** Projecte d'Investigació Nacional**Degree of contribution:** Researcher**Entity where project took place:** Universitat Jaume I**Name principal investigator (PI, Co-PI....):** José Joaquín Gual Arnau**Nº of researchers:** 5**Funding entity or bodies:**

MINISTERIO DE CIENCIA Y TECNOLOGIA

Type of entity: ADMINISTRACIÓN CENTRAL**City funding entity:** Madrid, Spain**Name of the programme:** AYUDAS PARA LA REALIZACION DE PROYECTOS I+D EN EL MARCO
DE ALGUNOS PROGRAMAS NACIONALES DEL PLAN NACIONAL DE INVESTIGACION CIENTIFICA,
DESARROLLO E INNOVACION TECNOLOGICA 2000-2003. * PROYECTOS I+D EN EL MARCO DE
PROGRAMAS NACIONALES DEL PLAN NACIONAL DE INVESTIGACION CIENTIFICA,DESARROLLO E
INNOVACION TECNOLOGICA 2000-2003.**Code according to the funding entity:** BSA2001-0803-C02-02**Start-End date:** 28/12/2001 - 01/06/2005**Duration:** 41 months - 3 days**Total amount:** 78.378 €**Dedication regime:** Full time**24 Name of the project:** MODELOS ESTADISTICOS ESPACIO-TEMPORALES: APLICACION AL ANALISIS
DE CAMPOS VISUALES PARA EL ESTUDIO DE GLAUCOMA**Geographical area:** Projecte d'Investigació Local**Degree of contribution:** Researcher**Entity where project took place:** Universitat Jaume I**Name principal investigator (PI, Co-PI....):** Amelia Simó Vidal**Nº of researchers:** 4**Funding entity or bodies:**

FUNDACION BANCAJA

Type of entity: OTROS**City funding entity:** València, Spain



Name of the programme: PLAN 2001 DE PROMOCION DE LA INVESTIGACION. * PROYECTOS DE INVESTIGACION-MODALIDAD B-GRUPOS CONSOLIDADOS (ACCION 1.1.)

Code according to the funding entity: P1·1B2001-10

Start-End date: 01/11/2001 - 01/11/2003

Duration: 24 months

Total amount: 16.227,33 €

25 Name of the project: HB 1999-0073 Un sistema robusto de seguimiento de personas mediante visión artificial

Entity where project took place: Universitat de Valencia, Kingston University

City of entity: United Kingdom

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Educación y Cultura: acciones integradas de investigación científica y técnica entre España y Reino Unido

Type of entity: State agency

Start-End date: 01/04/2000 - 31/03/2002

26 Name of the project: Sistemas de visión estéreo activos y pasivos para la monitorización y seguimiento de objetivos móviles

Geographical area: Projecte d'Investigació Nacional

Degree of contribution: Researcher

Entity where project took place: Universitat de València

Funding entity or bodies:

Ministerio de Educación y Cultura

Code according to the funding entity: TIC98-0677-C02-02

Start-End date: 01/01/1999 - 30/09/2000

Duration: 21 months

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

Name of the project: Assessorament en tècniques estadístiques de big data

Nº of researchers: 1

Funding entity or bodies:

Instituto de Biomecánica de Valencia (IBV)

Type of entity: University Research Institute

Start date: 2020

Total amount: 6.050 €

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** adamethods: Archetypoid Algorithms and Anomaly Detection. R package. <https://cran.r-project.org/package=adamethods>
Inventors/authors/obtainers: Guillermo Vinue; Irene Epifanio
Date of register: 06/06/2019
- 2** **Title registered industrial property:** IPMRF: Intervention in Prediction Measure (IPM) for Random Forests. R package. <https://CRAN.R-project.org/package=IPMRF>
Inventors/authors/obtainers: Irene Epifanio
Date of register: 05/05/2017
- 3** **Title registered industrial property:** Anthropometry: Statistical Methods for Anthropometric Data. R package. <https://CRAN.R-project.org/package=Anthropometry>
Inventors/authors/obtainers: Guillermo Vinue; Irene Epifanio; Amelia Simo; M Victoria Ibañez; Juan Domingo; Guillermo Ayala
Date of register: 03/07/2014

Technological results derived from specialized and transfer activities, not included in previous sections

- 1** **Description:** Tesis doctorado industrial a A. Alcacer. Empresa: Francesc Alted (Proyecto Caterva).
Name of the principal Investigator (PI): I Epifanio
Start date: 2020 **Duration:** 1 year - 1 month
Relevant results: Dirección tesis doctorado industrial durante 1 año, hasta que el doctorando dejó la empresa por ganar ayuda FPU-Ministerio, la cual también le dirigió.
- 2** **Description:** Identificación de la esteatosis hepática y determinación del grado de afectación mediante ecografía
Name of the principal Investigator (PI): Ximo Gual Arnau
Collaborating entity or bodies:
Empresa CARABOS, a través del programa del IMPIVA (Generalitat Valenciana) GESTA 2006, para ayudas a las pyme en la generación de soluciones de tecnología avanzada
Start date: 05/10/2006 **Duration:** 7 months



Scientific and technological activities

Scientific production

- 1** H index: 16
Date of application: 06/01/2022
Source of H-Index: WOS
- 2** H index: 24
Date of application: 14/09/2024
Source of H-Index: GOOGLE SCHOLAR
- 3** H index: 17
Date of application: 06/05/2023
Source of H-Index: SCOPUS

Publications, scientific and technical documents

- 1** E Calvo-Iglesias; I Epifanio. Revisiting Male Allies in Mathematics and Physics Throughout History: Role Models for Men in STEM Education. Education Sciences. 14, pp. 535. 05/2024.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: SCOPUS
- 2** L Ferrando; I Cabero; A Alcacer; M Martinez-Garcia; I Epifanio. Investigating university students' self-perception of their influence on the SDGs. Campus Virtuales. 13 - 1, 01/2024.
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
Impact source: SCOPUS
Category: Computer Science Applications
Impact index in year of publication: Q2
- 3** I Epifanio; E Calvo-Iglesias. Actions for gender equality in scientific-technical areas in Spanish universities. Educacion XX1. 27 - 2, 2024.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Category: Social Sciences Edition - EDUCATION & EDUCATIONAL RESEARCH
Impact index in year of publication:
Journal in the top 25%: Yes
- 4** A Alcacer; I Epifanio; X Gual-Arnau. Biarchetype analysis: simultaneous learning of observations and features based on extremes. IEEE Transactions on Pattern Analysis and Machine Intelligence. pp. 10.1109/TPAMI.2024.3400730. 2024.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

**Impact index in year of publication:****Journal in the top 25%:** Yes

- 5** A Alcacer; M Martínez-Garcia; I Epifanio. Ordinal classification for interval-valued data and interval-valued functional data. Expert Systems with Applications. 238 - Part F, pp. 122277. 2024.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE**Impact index in year of publication:****Journal in the top 25%:** Yes

- 6** A Alcacer; I Epifanio. Outlier detection of clustered functional data with image and signal processing applications by archetype analysis. PLOS ONE. pp. <https://doi.org/10.1371/journal.pone.0311418>. 2024.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES**Impact index in year of publication:****Journal in the top 25%:** Yes

- 7** X Gual-Arnau; I Epifanio; I Cabero. Analysis of Archetypes to Determine Time Use and Workload Profiles of Spanish University Professors. Education Sciences. 13 - 3, pp. 295. 2023.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** SCOPUS**Category:** Computer Science Applications**Impact index in year of publication:** Q2

- 8** I Epifanio; V Gimeno; X Gual-Arnau; M.V. Ibáñez-Gual. Archetypal curves in the shape and size space: discovering the salient features of curved big data by representative extremes. La Matematica. Official Journal of the Association for Women in Mathematics. 2 - 3, pp. 635 - 658. 2023.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** SCOPUS

- 9** N Ventura-Campos; L Ferrando-Esteve; I Epifanio. The underlying neural bases of the reversal error while solving algebraic word problems. Scientific Reports. 12 - 1, pp. 21654. 2022.

Type of production: Scientific paper**Impact source:** ISI**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

- 10** G Vinué; I Epifanio. Robust archetypoids for anomaly detection in big functional data. Advances in Data Analysis and Classification. 15, pp. 437 - 462. 2021.

Type of production: Scientific paper**Impact source:** ISI**Category:** Science Edition - STATISTICS & PROBABILITY

- 11** I Cabero; I Epifanio. A Data Science Analysis of Academic Staff Workload Profiles in Spanish Universities: Gender Gap Laid Bare. Education Sciences. 11 - 317, 2021.

Type of production: Scientific paper**Corresponding author:** Yes

**Impact source:** SCOPUS**Impact index in year of publication:** Q2**Category:** Computer Science Applications

- 12** D Fernández; I Epifanio; L McMillan. Archetypal Analysis for Ordinal Data. Information Sciences. 579, pp. 281 - 292. 2021.

Type of production: Scientific paper**Impact source:** ISI**Impact index in year of publication:****Category:** Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS**Journal in the top 25%:** Yes

- 13** I Cabero; I Epifanio; A Pierola; A Ballester. Archetype Analysis: A new subspace outlier detection approach. Knowledge-Based Systems. 217, pp. 106830. 2021.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:****Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE**Journal in the top 25%:** Yes

- 14** A Alcacer; I Epifanio; J Valero; A Ballester. Combining classification and user-based collaborative filtering for matching footwear size. Mathematics. 2021.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Impact index in year of publication:****Category:** Science Edition - MATHEMATICS**Journal in the top 25%:** Yes

- 15** L Ferrando; I Epifanio; N Ventura. Ordinal classification of 3D brain structures by functional data analysis. Statistics and Probability Letters. 179 - 109227, 2021.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Category:** Science Edition - STATISTICS & PROBABILITY

- 16** I Epifanio; V Gimeno; X Gual-Arnau; M.V. Ibáñez. A New Geometric Metric in the Shape and Size Space of Curves in R^n . Mathematics. 8, pp. 1691. 2020.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:****Corresponding author:** No**Category:** Science Edition - MATHEMATICS**Journal in the top 25%:** Yes

- 17** Alcacer A.; Epifanio I.; Ibáñez M.; Simó A.; Ballester A.. A data-driven classification of 3D foot types by archetypal shapes based on landmarks. PLoS ONE. 15, 2020.

Type of production: Scientific paper**Corresponding author:** Yes**Impact source:** ISI**Format:** Journal**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES



- 18** Lara Ferrnado; Noelia Ventura; Irene Epifanio. A neuroimaging data set on problem solving in the case of the reversal error: Putamen data. Data in brief. 106322, 2020.
Type of production: Scientific paper
Impact source: SCOPUS
Impact index in year of publication:
Category: Multidisciplinary
Journal in the top 25%: Yes
- 19** I Epifanio; M.V. Ibáñez; A Simó. Archetypal analysis with missing data: see all samples by looking at a few based on extreme profiles. The American Statistician. 74 - 2, pp. 169 - 183. 2020.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 3
Impact source: ISI
Impact index in year of publication:
Corresponding author: Yes
Category: Statistics and Probability
Journal in the top 25%: Yes
- 20** Lara Ferrnado; Noelia Ventura; Irene Epifanio. Detecting and visualizing differences in brain structures with SPHARM and functional data analysis. Neuroimage. 222, pp. 117209. 2020.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication:
Category: Science Edition - NEUROIMAGING
Journal in the top 25%: Yes
- 21** I Cabero; I Epifanio. Finding archetypal patterns for binary questionnaires. SORT. 44 - 1, 2020.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Category: Science Edition - STATISTICS & PROBABILITY
- 22** A Simo; M.V. Ibáñez; I Epifanio; V Gimeno. Generalized partially linear models on Riemannian manifolds. The Journal of the Royal Statistical Society, Series C (Applied Statistics). 69 - 3, pp. 641 - 661. 2020.
Type of production: Scientific paper
Impact source: ISI
Category: Science Edition - STATISTICS & PROBABILITY
- 23** I Epifanio; X Gual-Arnau; S Herold. Morphological analysis of cells by means of an elastic metric in the shape space. Image Analysis & Stereology. 39, pp. 13 - 23. 2020.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Category: Science Edition - MATHEMATICS, APPLIED
- 24** A Arnal; I Epifanio; P Gregori; V Martínez. Ten Simple Rules for Organizing a Non-Real Time Web Conference. PLOS Computational Biology. <https://doi.org/10.1371/journal.pcbi.1007667>, 2020.
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication:
Format: Journal
Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY
Journal in the top 25%: Yes



- 25** G Vinué; I Epifanio. Forecasting basketball players' performance using sparse functional data. Statistical Analysis & Data Mining: The ASA Data Science Journal. 12, pp. 534 - 547. 2019.

Type of production: Scientific paper

Impact source: ISI

Category: Science Edition - STATISTICS & PROBABILITY

- 26** I Epifanio; I Cabero. Archetypal analysis: an alternative to clustering for unsupervised texture segmentation. Image Analysis & Stereology. 38, pp. 151 - 160. 2019.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - MATHEMATICS, APPLIED

- 27** I Epifanio; J Moliner. Robust multivariate and functional archetypal analysis with application to financial time series analysis. Physica A: Statistical Mechanics and its Applications. 519, pp. 195 - 208. 2019.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - PHYSICS, MULTIDISCIPLINARY

- 28** Irene Epifanio; M.V. Ibáñez; A. Simó. Archetypal shapes based on landmarks and extension to handle missing data. Advances in Data Analysis and Classification. 12 - 3, pp. 705 - 735. 2018.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Format: Journal

Category: Science Edition - STATISTICS & PROBABILITY

Impact index in year of publication:

Journal in the top 25%: Yes

- 29** L. Millán-Roures; I. Epifanio; V. Martínez. Detection of anomalies in water networks by functional data analysis. Mathematical Problems in Engineering. 2018 - Article ID 5129735, 2018.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication:

Category: Mathematics interdisciplinary applications

Journal in the top 25%: No

- 30** G Vinué; I Epifanio. Archetypoid analysis for sports analytics. Data Mining and Knowledge Discovery. 31 - 6, pp. 1643 - 1677. 2017.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication: 3.160

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

- 31** A Pierola; I Epifanio; S Alemany. Child t-shirt size data set from 3D body scanner anthropometric measurements and a questionnaire. DATA IN BRIEF. 11, pp. 311 - 315. 2017.

Type of production: Scientific paper

Position of signature: 2

Corresponding author: Yes

Format: Journal

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



Impact source: SCOPUS
Impact index in year of publication: Q1

Category: Multidisciplinary
Journal in the top 25%: Yes

- 32** I. Epifanio. Intervention in prediction measure: A new approach to assessing variable importance for random forests. BMC Bioinformatics. 18 - 1, 2017.

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

Impact source: ISI
Impact index in year of publication:

Category: Mathematical and computational biology
Journal in the top 25%: Yes

- 33** Pierola A.; Epifanio I.; Alemany S.. An ensemble of ordered logistic regression and random forest for child garment size matching. Computers and Industrial Engineering. 101, pp. 455 - 465. 2016.

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

Impact source: ISI
Impact index in year of publication:

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Journal in the top 25%: Yes

- 34** Irene Epifanio López. Functional archetype and archetypoid analysis. COMPUTATIONAL STATISTICS & DATA ANALYSIS. (104), pp. 24 - 34. 2016.

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

Impact source: ISI
Impact index in year of publication:

Category: Science Edition - STATISTICS & PROBABILITY
Journal in the top 25%: Yes

- 35** G. Vinué; Irene Epifanio López; S. Alemany. Archetypoids: A new approach to define representative archetypal data. COMPUTATIONAL STATISTICS & DATA ANALYSIS. (87), pp. 102 - 115. 2015. ISSN 0167-9473

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

Impact source: ISI

Category: Science Edition - STATISTICS & PROBABILITY

- 36** Irene Epifanio López; Noelia Ventura Campos. Hippocampal shape analysis in Alzheimer's disease using functional data analysis. STATISTICS IN MEDICINE. 5 (33), pp. 867 - 880. 2014.

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

Impact source: ISI
Impact index in year of publication:

Category: Science Edition - STATISTICS & PROBABILITY
Journal in the top 25%: Yes

- 37** Irene Epifanio López. Mapping the asymmetrical citation relationships between journals by h-plots. JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY (>2013). 6 (65), pp. 1293 - 1298. 2014.

Type of production: Scientific paper
Position of signature: 1

Format: Journal

Impact source: ISI
Impact index in year of publication:

Category: Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
Journal in the top 25%: Yes



- 38** L. Martínez; F. Santander; María Victoria Ibáñez Gual; C. Murcia; Irene Epifanio López; C. Verdejo; E. Beltrán; P. Marco. RE: Microperimetry and the diagnosis of antimalarial maculopathy Reply (Letter). CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTALMOLOGIE. 3 (49), pp. 308 - 308. 2014. Available on-line at: <<http://dx.doi.org/10.1016/j.jcjo.2014.04.005>>. ISSN 0008-4182

Type of production: Scientific paper

Position of signature: 5

Impact source: ISI

Impact index in year of publication: 1.333

Format: Journal

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

Category: Science Edition - OPHTHALMOLOGY

Journal in the top 25%: No

- 39** Irene Epifanio López; G. Vinué; S. Alemany. Archetypal analysis: Contributions for estimating boundary cases in multivariate accommodation problem. COMPUTERS & INDUSTRIAL ENGINEERING. 64, pp. 757 - 765. 2013.

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Impact index in year of publication:

Format: Journal

Category: Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS

Journal in the top 25%: Yes

- 40** Irene Epifanio López. H-plots for displaying nonmetric dissimilarity matrices. STATISTICAL ANALYSIS AND DATA MINING. 6, pp. 136 - 143. 2013. ISSN 1932-1864

Type of production: Scientific paper

Impact source: ISI

Format: Journal

Category: Science Edition - STATISTICS & PROBABILITY

- 41** L. Martínez Costa; María Victoria Ibáñez Gual; C. Murcia Bello; Irene Epifanio López; C. Verdejo Gimeno; E. Beltrán Catalán; P. Marco Ventura. Use of microperimetry to evaluate hydroxychloroquine and chloroquine retinal toxicity. CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTALMOLOGIE. 5 (48), pp. 400 - 405. 2013.

Type of production: Scientific paper

Impact source: ISI

Format: Journal

Category: Science Edition - OPHTHALMOLOGY

- 42** María Victoria Ibáñez Gual; G. Vinué; S. Alemany; Amelia Simó Vidal; Irene Epifanio López; J. Domingo; G. Ayala. Apparel sizing using trimmed PAM and OWA operators. EXPERT SYSTEMS WITH APPLICATIONS. 12 (39), pp. 10512 - 10520. 2012.

Type of production: Scientific paper

Impact source: ISI

Impact index in year of publication:

Format: Journal

Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Journal in the top 25%: Yes

- 43** Irene Epifanio López; Noelia Ventura Campos. Functional data analysis in shape analysis. COMPUTATIONAL STATISTICS & DATA ANALYSIS. 9 (55), pp. 2758 - 2773. 2011. ISSN 0167-9473

Type of production: Scientific paper

Corresponding author: Yes

Impact source: ISI

Format: Journal

Category: Science Edition - STATISTICS & PROBABILITY



- 44** Irene Epifanio López. Analysis of a Social Webquest for Statistics in Engineering. INTERNATIONAL JOURNAL OF LEARNING. 5(17), pp. 269 - 280. 2010.
Type of production: Scientific paper
Position of signature: 1
Impact source: SCOPUS
Impact index in year of publication: Q3
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Education
- 45** Irene Epifanio López; C. Ávila; A. Page. Analysis of multiple waveforms by means of functional principal component analysis: normal versus pathological patterns in sit-to-stand movement. MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING. 6 (46), pp. 551 - 561. 2008. ISSN 0140-0118
Type of production: Scientific paper
Corresponding author: Yes
Impact source: ISI
Format: Journal
Category: Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY
- 46** Irene Epifanio López. Shape Descriptors for classification of functional data. TECHNOMETRICS. 3 (50), pp. 284 - 294. 2008. ISSN 0040-1706
Type of production: Scientific paper
Impact source: ISI
Format: Journal
Category: Science Edition - STATISTICS & PROBABILITY
- 47** A. Page; Irene Epifanio López. A simple model to analyze the effectiveness of linear time normalization to reduce variability in human movement analysis. GAIT & POSTURE. 1 (25), pp. 153 - 156. 2007. Available on-line at: <<http://dx.doi.org/10.1016/j.gaitpost.2006.01.006>>. ISSN 0966-6362
Type of production: Scientific paper
Position of signature: 2
Impact source: ISI
Impact index in year of publication:
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ORTHOPEDICS
Journal in the top 25%: Yes
- 48** Irene Epifanio López; P. Soille. Morphological Texture Features for Unsupervised and Supervised Segmentations of Natural Landscapes. IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING. 4 (45), pp. 1074 - 1082. 2007. ISSN 0196-2892
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication:
Format: Journal
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
- 49** G. Ayala; Irene Epifanio López; Amelia Simó Vidal; V. Zapater. Clustering of spatial point patterns. COMPUTATIONAL STATISTICS & DATA ANALYSIS. 50, pp. 1016 - 1032. 2006. ISSN 0167-9473
Type of production: Scientific paper
Impact source: ISI
Format: Journal
Category: Science Edition - STATISTICS & PROBABILITY
- 50** J. Malo; Irene Epifanio López; R. Navarro; E. P. Simoncelli. Nonlinear Image Representation for Efficient Perceptual Coding. IEEE TRANSACTIONS ON IMAGE PROCESSING. -15, pp. 68 - 75. 2006. ISSN 1057-7149
Type of production: Scientific paper
Impact source: ISI
Format: Journal



Impact index in year of publication:

Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Journal in the top 25%: Yes

- 51** Irene Epifanio López; J. Gutierrez; J. Malo. Linear transform for simultaneous diagonalization of covariance and perceptual metric matrix in image coding. PATTERN RECOGNITION. 36, pp. 1799 - 1811. 2003. ISSN 0031-3203

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

Impact index in year of publication:

- 52** Irene Epifanio López; Guillermo Ayala. A Random Set View of Texture Classification. IEEE TRANSACTIONS ON IMAGE PROCESSING. 8 (11), pp. 859 - 867. 2002. ISSN 1057-7149

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, SOFTWARE ENGINEERING

Journal in the top 25%: Yes

Impact index in year of publication:

- 53** J. Malo; J. Gutierrez; Irene Epifanio López; F. Ferri; J. M. Artigas. Perceptual feed-back in multigrid motion estimation using an improved DCT quantization. IEEE TRANSACTIONS ON IMAGE PROCESSING. 10, pp. 1411 - 1427. 2001. ISSN 1057-7149

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS

Journal in the top 25%: Yes

Impact index in year of publication:

- 54** J Malo; J Gutiérrez; I Epifanio. What motion information is perceptually relevant. JOURNAL OF VISION. 1, pp. 309. 2001.

Type of production: Scientific paper

Impact source: ISI

Category: Science Edition - OPHTHALMOLOGY

Journal in the top 25%: Yes

Impact index in year of publication:

- 55** J. Malo; F. J. Ferri; J. Gutiérrez; Irene Epifanio López. Importance of quantiser design compared to optimal multigrid motion estimation in video coding. ELECTRONICS LETTERS. 36 (9), pp. 807 - 809. 2000. ISSN 0013-5194

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

Impact source: ISI

Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC

Journal in the top 25%: Yes

Impact index in year of publication:

- 56** V. Malo; R. Navarro; Irene Epifanio López; F. J. Ferri; J. M. Artigas. Non-linear invertible representation for joint Statistical and Perceptual Feature Decorrelation. LECTURE NOTES IN COMPUTER SCIENCE. (1876), pp. 658 - 667. 2000. ISSN 0302-9743

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

Impact source: ISI

Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS

- 57** J. Malo; J. Gutierrez; Irene Epifanio López; F. J. Ferri. Perceptually weighted optical flow for motion-based segmentation in MPEG-4 paradigm. ELECTRONICS LETTERS. 36 (20), pp. 1693 - 1694. 2000. ISSN 0013-5194
Type of production: Scientific paper
Position of signature: 3
Impact source: ISI
Impact index in year of publication:
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - ENGINEERING, ELECTRICAL & ELECTRONIC
Journal in the top 25%: Yes
- 58** I. Epifanio; E. Calvo-Iglesias. Radiografía de la igualdad: ¿Qué se está haciendo por la igualdad en las áreas científico-técnicas en las universidades españolas?. REVISTA IGUALDAD. 25, pp. 16 - 19. 2024.
Type of production: Popular science article
Corresponding author: Yes
- 59** I Cabero; I Epifanio; X Gual-Arnau. ¿A qué dedica el tiempo el profesorado universitario?. The Conversation. 2023.
Type of production: Popular science article
- 60** E Calvo; I Epifanio; S Estradé; E Mas de les Valls. Gender Perspective in STEM Disciplines in Spain Universities. Women in STEM in Higher Education. Good Practices of Attraction, Access and Retainment in Higher Education. pp. 165 - 179. Springer, 2022.
Type of production: Book chapter
- 61** J. Moliner; I. Epifanio. Bivariate Functional Archetypoid Analysis: An Application to Financial Time Series. Mathematical and Statistical Methods for Actuarial Sciences and Finance. pp. 473 - 476. Springer, 2018.
Type of production: Book chapter
Corresponding author: Yes
- 62** I. Epifanio; N. Ventura-Campos. Multivariate functional data discrimination using ICA: analysis of hippocampal differences in Alzheimer's disease. Contributions to Statistics. pp. 167 - 173. Springer, 2008.
Type of production: Book chapter
Corresponding author: Yes

Works submitted to national or international conferences

- 1** **Title of the work:** Análisis de biarquetipos en R
Name of the conference: LatinR 2024 Conferencia Latinoamericana sobre Uso de R en Investigación + Desarrollo
Date of event: 2024
A Alcacer; I Epifanio.
- 2** **Title of the work:** Archetypal Analysis for Ordinal Data
Name of the conference: V International Workshop on Proximity Data, Multivariate Analysis and Classification
Date of event: 2023
D Fernández; I Epifanio; L McMillan. "ISBN: 978-84-16829-90-3".



- 3** **Title of the work:** Una anàlisi de dades de la càrrega de treball del professorat en les universitats espanyoles: la bretxa de gènere al descobert
Name of the conference: V Congrés Investigació i gènere a la Universitat Jaume I
Date of event: 26/10/2022
I Epifanio; I Cabero. "Investigació i gènere a la Universitat Jaume I 2022. ISBN".
- 4** **Title of the work:** Discovering archetypal football teams and stats with biarchetype analysis
Name of the conference: useR! 2022 The R User Conference 2022
Date of event: 20/06/2022
A Alcacer; I Epifanio.
- 5** **Title of the work:** Una mirada matemàtica al ODS 5: igualdad de género
Name of the conference: Congreso Bienal de la Real Sociedad Matemática Española
Date of event: 17/01/2022
Comisión Mujeres y Matemáticas RSME.
- 6** **Title of the work:** Combining user-based collaborative filtering and classification for matching footwear size
Name of the conference: 14th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2021)
Type of event: Conference
Reasons for participation: Upon invitation
Corresponding author: Yes
City of event: Londres,
Date of event: 2021
A Alcacer; I Epifanio; J Valero; A Ballester. "ISBN 978-9925-7812-5-6".
- 7** **Title of the work:** Analysis of gene expression data using biarchetype analysis
Name of the conference: V Jornadas de Estudiantes de la SEB
Date of event: 2021
Aleix Alcacer; I Epifanio.
- 8** **Title of the work:** Ordinal classification of 3D brain structures by functional data analysis
Name of the conference: V Jornadas de Estudiantes de la SEB
Date of event: 2021
L Ferrnado; I Epifanio; N Ventura-Campos.
- 9** **Title of the work:** A data-driven classification of 3D foot types by archetypal shapesbased on landmarks
Name of the conference: V Congreso de Jóvenes Investigadores de la RSME
Date of event: 2020
A Alcacer; I Epifanio; M.V. Ibañez; A Simó; A Ballester.
- 10** **Title of the work:** Biarchetype analysis: definition and application to sports analysis
Name of the conference: 3rd BYMAT Conference – Bringing Young Mathematicians Together
Date of event: 2020
A Alcacer; I Epifanio.
- 11** **Title of the work:** Detecting and visualizing differences in brain structures with functional data analysis. Application to neuroeducation
Name of the conference: 30th International Biometric Conference (IBC 2020)
Date of event: 2020



L Ferrando; N Ventura; I Epifanio.

12 Title of the work: Estudio del aprendizaje en música y las habilidades matemáticas en neuroimagen mediante bosques aleatorios

Name of the conference: V Congreso de Jóvenes Investigadores de la RSME

Date of event: 2020

L Masero; N Ventura; I Epifanio.

13 Title of the work: Group classification from neuronal bases obtained by neuroimaging

Name of the conference: V Congreso de Jóvenes Investigadores de la RSME

Date of event: 2020

L Ferrando; N Ventura; I Epifanio.

14 Title of the work: What are the types of Spanish foot shapes? Archetypoid analysis of 3D images

Name of the conference: 30th International Biometric Conference (IBC 2020)

Date of event: 2020

A Alcacer; I Epifanio; M.V. Ibañez; A Simó; A Ballester.

15 Title of the work: Detection of anomalies by gender in foot shapes

Name of the conference: XVII CONFERENCIA ESPAÑOLA DE BIOMETRÍA and VII ENCUENTRO IBEROAMERICANO DE BIOMETRÍA

Date of event: 2019

End date: 2019

I Cabero; I Epifanio; A Piérola.

16 Title of the work: Analysis of 2D foot morphology by functional archetypal analysis

Name of the conference: XVII CONFERENCIA ESPAÑOLA DE BIOMETRÍA and VII ENCUENTRO IBEROAMERICANO DE BIOMETRÍA

Reasons for participation: Upon invitation

Date of event: 2019

End date: 2019

A Alcacer; I Epifanio; MV Ibáñez; A Simó.

17 Title of the work: Archetypal contour functions

Name of the conference: 12th Scientific Meeting Classification and Data Analysis Group

Reasons for participation: Upon invitation

Corresponding author: Yes

Date of event: 2019

End date: 2019

A Alcácer; I Epifanio; M.V. Ibáñez; A Simó.

18 Title of the work: Archetypoid analysis applied to the teaching of mathematics

Name of the conference: XVII CONFERENCIA ESPAÑOLA DE BIOMETRÍA and VII ENCUENTRO IBEROAMERICANO DE BIOMETRÍA

Date of event: 2019

End date: 2019

I Cabero; I Epifanio.

19 Title of the work: Classification methods to determine competent resolvers through neuroimaging

Name of the conference: XVII CONFERENCIA ESPAÑOLA DE BIOMETRÍA and VII ENCUENTRO IBEROAMERICANO DE BIOMETRÍA



Date of event: 2019

End date: 2019

L Ferrando; N Ventura; I Epifanio.

- 20 Title of the work:** Generalized partially linear models on Riemannian manifolds
Name of the conference: XVII CONFERENCIA ESPAÑOLA DE BIOMETRÍA and VII ENCUENTRO IBEROAMERICANO DE BIOMETRÍA
Date of event: 2019
End date: 2019
A Simó; M.V. Ibáñez; I Epifanio; V Gimeno.

- 21 Title of the work:** Bivariate Functional Archetypoid Analysis: An Application to Financial Time Series
Name of the conference: MAF2018: EIGHTH INTERNATIONAL CONFERENCE ON MATHEMATICAL AND STATISTICAL METHODS FOR ACTUARIAL SCIENCES AND FINANCE
Corresponding author: Yes
City of event: Madrid, Spain
Date of event: 04/04/2018
End date: 06/04/2018
With external admission assessment committee: Yes
Jesús Moliner; Irene Epifanio.

- 22 Title of the work:** Generealized partially linear models to predict the goodness of a child garment fit
Name of the conference: 5th Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA 2018)
Type of participation: Participatory - oral communication
City of event: Creta, Greece
Date of event: 2018
A. Simó; M.V. Ibáñez; I. Epifanio; V. Gimeno. "ISBN: 9786185180270".

- 23 Title of the work:** Functional archetype and archetypoid analysis
Name of the conference: 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2016)
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Sevilla (724), Spain
Date of event: 09/12/2016
Type of contribution: Book chapter
Irene Epifanio López. En: 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2016). (Spain): CFE and CMStatistics networks, 2016. ISBN 978-9963-2227-1-1

- 24 Title of the work:** La estadística tras el diseño ergonómico. Aplicación al diseño de las cabinas de aviones
Name of the conference: I Jornada de Divulgación y Aplicación de la Estadística
Type of participation: Participatory - Plenary session
City of event: Valencia,
Date of event: 25/09/2013
Type of contribution: Popular science article
I Epifanio.



- 25** **Title of the work:** Archetypes and Archetypoids: Contributions for estimating boundary cases in Anthropometry and Ergonomics
Name of the conference: XIV Conferencia Española de Biometría
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Ciudad Real, Spain
Date of event: 22/05/2013
Vinué G.; Irene Epifanio López; Alemany S. "2nd Prize in the Early-Stage Researcher Prize". En: XIV Conferencia Española de Biometría. 2013.
- 26** **Title of the work:** Clustering human body shapes using k-means algorithm
Name of the conference: 20th International Conference on Computational Statistics (COMPSTAT 2012)
City of event: Cyprus
Date of event: 27/08/2012
G Vinué; A Simó; MV Ibáñez; S Alemany; G Ayala; I Epifanio; E Durá.
- 27** **Title of the work:** Stochastic Geometry and Functional Data Analysis in Image Analysis
Name of the conference: International Workshop on Multivariate Image Analysis
Type of event: Conference
Type of participation: Participatory - Plenary session
City of event: Valencia,
Date of event: 28/09/2009
Irene Epifanio López. En: International Workshop on Multivariate Image Analysis. 2009.
- 28** **Title of the work:** Texture Classification by functional analysis of size distributions
Name of the conference: International Conference Signal and Image Processing (SIP2009)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Honolulu, Hawaii (840), United States of America
Date of event: 17/08/2009
Type of contribution: Book chapter
Irene Epifanio López; J. Domingo; G. Ayala. En: International Conference Signal and Image Processing (SIP2009). F. Cruz-Roldán/N.B. Smith, 2009. ISBN 978-0-88986-803-8
- 29** **Title of the work:** Proximity data visualization with h-plots
Name of the conference: The 5th use R Conferece
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Rennes (Francia),
Date of event: 08/07/2009
Irene Epifanio López. En: The 5th user Conferece. 2009.
- 30** **Title of the work:** Possibilistic classification of Brain Tumors by MRS based on Functional Data Analysis and Subpattern discovery
Name of the conference: International Society for Magnetic Resonance in Medicine. ISMRM. 17th Scientific Meeting & Exhibition
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Honolulu (Hawaii),
Date of event: 18/04/2009



Juan M. García-Gomez; Irene Epifanio López; Margarida Julià- Sape; Daniel Monleón; Javier Vicente; Salvador Tortajada; Elies Fuster; Angel Moreno-Torres; Andrew Peet; Franklyn Howe; Bernardo Celda; Carles Arús; Montserrat Robles. En: International Society for Magnetic Resonance in Medicine. ISMRM. 17th Scientific Meeting & Exhibition. 2009.

- 31 Title of the work:** Multivariate Functional Data Discrimination Using ICA: Analysis of Hippocampal Differences in Alzheimer's Disease
Name of the conference: Functional and Operatorial Statistics. First International Workshop on Functional and Operational Statistics (IWFOS)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Toulouse (250), France
Date of event: 18/06/2008
Type of contribution: Book chapter
 Irene Epifanio López; Noelia Ventura Campos. En: Functional and Operatorial Statistics. First International Workshop on Functional and Operational Statistics (IWFOS). (Germany): Springer, 2008. ISBN 978-3-7908-2061-4
- 32 Title of the work:** Descripción de ángulos de movimiento en tareas de coordinación motora
Name of the conference: III Jornadas Científicas de las Sociedades Españolas de Epidemiología y de Biometría
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valencia,
Date of event: 22/06/2006
 Irene Epifanio López; M.V. Ibáñez; A. Simó. En: III Jornadas Científicas de las Sociedades Españolas de Epidemiología y de Biometría. 2006.
- 33 Title of the work:** Description of vision maps using bivariate functional data analysis
Name of the conference: The 5th IASC Asian Conference on Statistical Computing
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Hong Kong,
Date of event: 15/12/2005
 Irene Epifanio López; María Victoria Ibáñez Gual. En: The 5th IASC Asian Conference on Statistical Computing. 2005.
- 34 Title of the work:** Three approaches for analysis of mixed nested designs for functional data
Name of the conference: 3rd IASC world conference on Computational Statistics & Data Analysis
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Limassol, Cyprus,
Date of event: 28/10/2005
 Irene Epifanio López; G. Ayala; M^a Teresa León. En: 3rd IASC world conference on Computational Statistics & Data Analysis. 2005.
- 35 Title of the work:** Moments of size distributions applied to texture classification
Name of the conference: Proceedings of the 3rd International Symposium on Image and Signal Processing and Analysis
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Rome, Italy,



Date of event: 18/09/2003

Type of contribution: Book chapter

Guillermo Ayala; Elena Díaz; Juan Domingo; Irene Epifanio López. En: Proceedings of the 3rd International Symposium on Image and Signal Processing and Analysis. IEEE, 2003. ISBN 953-184-061-X

- 36** **Title of the work:** Segmentation of natural landscapes using morphological texture features
Name of the conference: IEEE International Geoscience and Remote Sensing Symposium
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
City of event: Piscataway, NJ,
Date of event: 20/07/2003
Type of contribution: Book chapter
Irene Epifanio López; Pierre Soille. En: IEEE International Geoscience and Remote Sensing Symposium. IEEE, 2003. ISBN 0-7803-7929-2
- 37** **Title of the work:** Stereology and image segmentation: Support tools in radiology
Name of the conference: IX Conferencia Española de Biometría
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: La Coruña,
Date of event: 28/05/2003
Irene Epifanio López; José Joaquín Gual Arnau; María Victoria Ibáñez Gual; Amelia Simó Vidal. En: IX Conferencia Española de Biometría. 2003.
- 38** **Title of the work:** Clusters of point patterns: classifying corneal endothelia and arrangement of microaneurysms in retinal images
Name of the conference: RSS 2002 CONFERENCE
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Plymouth, United Kingdom,
Date of event: 03/09/2002
Ayala G.; Irene Epifanio López; Amelia Simó Vidal; Zapater V. En: RSS 2002 CONFERENCE. 2002.
- 39** **Title of the work:** A content-based MPEG-2 implementation using perceptually weighted quantization
Name of the conference: 9th. Spanish Symposium on Pattern Recognition and Image Analysis
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Benicasim (724), Spain
Date of event: 16/05/2001
Type of contribution: Book chapter
J. Amores; J. Gutierrez; Irene Epifanio López; J. Malo; F. J. Ferri. En: 9th. Spanish Symposium on Pattern Recognition and Image Analysis. Universitat Jaume I, 2001. ISBN 84-8021-351-5
- 40** **Title of the work:** Multi-event tracking with the Condensation algorithm
Name of the conference: 9th. Spanish Symposium on Pattern Recognition and Image Analysis
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Benicasim (724), Spain
Date of event: 16/05/2001
Type of contribution: Book chapter



J. Gutierrez; Irene Epifanio López; P. remagnino; G. A. Jones; F. J. Ferri. En: 9th. Spanish Symposium on Pattern Recognition and Image Analysis. Universitat Jaume I, 2001. ISBN 84-8021-351-5

41 Title of the work: Contrast normalization as Statistical and Perceptual Decorrelation Transform in HVS Image Representation

Name of the conference: OSA Annual Meeting/ILS-XVI 2000

City of event: Saratosa (EEUU),

Date of event: 22/10/2000

J Malo; I Epifanio; R Navarro; R Valerio.

42 Title of the work: An active contour model for the automatic detection of the fovea in fluorescein angiographies

Name of the conference: 15th International Conference on Pattern Recognition 2000

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Barcelona (724), Spain

Date of event: 03/09/2000

Type of contribution: Book chapter

Gutiérrez J.; Irene Epifanio López; de Ves E.; Ferri F.J.En: 15th International Conference on Pattern Recognition 2000. (Spain): IEEE, 2000. ISBN 0-7695-0750-6

43 Title of the work: Random sets and texture analysis

Name of the conference: Proceedings (8 th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems-IPMU 2000)

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Madrid (724), Spain

Date of event: 31/07/2000

Type of contribution: Book chapter

Irene Epifanio López; G. Ayala. En: Proceedings (8 th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems-IPMU 2000). (Spain): Consejo Superior de Investigaciones Científicas (CSIC), 2000. ISBN 84-95479-02-8

44 Title of the work: Non-linear Invertible Representation for Joint Statistical and Perceptual Feature Decorrelation

Name of the conference: Joint IAPR International Workshops on Statistical Pattern Recognition and Syntactical and Structural Pattern Recognition (S+SSPR 2000)

City of event: Alicante, Spain

Date of event: 2000

J. Malo; R. Navarro; I. Epifanio; F.J. Ferri; J.M. Artigas.

Works submitted to national or international seminars, workshops and/or courses

1 Title of the work: De Blancaneus a Judy Hopps: anàlisi arquetípica

Name of the event: Col·loqui Provem

Corresponding author: Yes

Date of event: 19/09/2024

Organising entity: IMAC (U. Jaume I)

I Epifanio.



- 2** **Title of the work:** Archetypal analysis: learning through extreme profiles
Name of the event: IV Encuentro UMI ValgrAI
Date of event: 19/07/2024
Organising entity: ValgrAI
- 3** **Title of the work:** Archetypal Analysis: Summarizing Datasets Based on Extreme Profiles
Name of the event: Seminario SEIO: Data Visualization, Dimensionality Reduction and Clustering
Date of event: 13/06/2024
Organising entity: SEIO
Daniel Fernández; I. Epifanio.
- 4** **Title of the work:** Docencia universitaria con perspectiva de género. ¡Hasta en matemáticas es posible!
Name of the event: Práticas Pedagógicas para a Integração da Perspetiva de Género no Ensino Superior
Reasons for participation: Upon invitation
City of event: Coimbra, Portugal
Date of event: 23/04/2024
Organising entity: Universidade de Coimbra
I Epifanio.
- 5** **Title of the work:** MATEMÁTICAS CON PERSPECTIVA DE GÉNERO EN LA UNIVERSIDAD. Yes, we can!
Name of the event: 2º Seminario EduMat.
Reasons for participation: Upon invitation
City of event: Santiago de Chile, Chile
Date of event: 18/03/2024
Organising entity: Universidad Tecnológica Metropolitana (UTEM)
I Epifanio.
- 6** **Title of the work:** ¿CÓMO APLICAR LA PERSPECTIVA DE GÉNERO EN MATEMÁTICAS?
Name of the event: Ciclo de Charlas: "Docencia Universitaria con Perspectiva de Género en las Ciencias".
Reasons for participation: Upon invitation
City of event: Valparaíso, Chile
Date of event: 08/03/2024
Organising entity: Science Up, consorcio integrado por la Pontificia Universidad Católica de Valparaíso, Universidad de Santiago de Chile y Universidad Católica del Norte
I Epifanio.
- 7** **Title of the work:** Matemáticas con perspectiva de género en la universidad
Name of the event: Segundo simposium internacional en educación matemática 2023
Reasons for participation: Upon invitation
Date of event: 11/08/2023
Organising entity: Universidad de Guadalajara (México)
- 8** **Title of the work:** Educación universitaria con perspectiva de género
Name of the event: Curso online de formación en igualdad de género en ciencia 2023
Reasons for participation: Upon invitation
Date of event: 21/02/2023
Organising entity: Comisión Mujer y Astronomía de la SEA



- 9** **Title of the work:** A journey into archetypal analysis
Name of the event: ICMAT: Applied Maths Seminar
Reasons for participation: Upon invitation
Date of event: 23/11/2022
Organising entity: ICMAT-CSIC
I Epifanio.
- 10** **Title of the work:** La dimension de género en matemáticas
Name of the event: La dimensión de género en el conocimiento, la innovación y el desarrollo tecnológico
Reasons for participation: Upon invitation
Date of event: 28/09/2022
Organising entity: Agencia Nacional de Evaluación **Type of entity:** Agencia evaluadora de la Calidad y Acreditación
I Epifanio.
- 11** **Title of the work:** A tour of functional archetypal analysis
Name of the event: Seminario U. Carlos III Madrid
Reasons for participation: Upon invitation
Date of event: 09/04/2021
- 12** **Title of the work:** A tour of archetypal analysis
Name of the event: Seminario U. Santiago de Compostela
Reasons for participation: Upon invitation
Date of event: 15/12/2020
- 13** **Title of the work:** Geometría Estocástica en el análisis de imágenes a través de tres problemas
Name of the event: Jornada sobre las Aplicaciones de la Estereología y el Análisis de Imagen en Radioterapia
City of event: Vistabella,
Date of event: 09/2007
- 14** **Title of the work:** Geometría Estocástica en el análisis de imágenes a través de dos problemas
Name of the event: Seminario Universidad Carlos III
Reasons for participation: Upon invitation
City of event: Getafe,
Date of event: 03/2006
- 15** **Title of the work:** Análisis de texturas en imagen médica
Name of the event: Jornadas sobre las aplicaciones de la Estereología y el Análisis de Imagen en Radiología
Reasons for participation: Upon invitation
City of event: Vistabella,
Date of event: 09/2002

Science Outreach activities

- 1** **Title of the work:** Medir para avanzar en igualdad: la estadística destapando discriminaciones
Name of the event: II Jornada "Emociónate con los datos"
Date of event: 2024
Organising entity: Universitat de València
I Epifanio.
- 2** **Title of the work:** Integración de la perspectiva de género en la Ciencia y la Tecnología
Name of the event: Curso "Reptes actuals entorn de la igualtat i del gènere"
Date of event: 2022
Organising entity: Universitat Jaume I
- 3** **Title of the work:** Igualdad en Investigación: dónde estamos y qué queda por hacer
Name of the event: Seminario U. Carlos III Madrid
Type of event: Conferences given
Date of event: 09/04/2021
Organising entity: Universidad Carlos III de Madrid **Type of entity:** University
- 4** **Title of the work:** Integración de la perspectiva de género en la Ciencia y la Tecnología
Name of the event: Curso "Reptes actuals entorn de la igualtat i del gènere"
Date of event: 2021
Organising entity: Universitat Jaume I
- 5** **Title of the work:** Coeducació matemàtica
Name of the event: II Escola d'Igualtat Municipal
Date of event: 2021
Organising entity: Ajuntament de Borriana
- 6** **Title of the work:** Del photocall a la acció: cómo lograr que haya más mujeres en ciencia
Name of the event: 8M Día de la Mujer
Type of event: Media interviews
Date of event: 2021
Organising entity: RSME
R Crujeiras; I Epifanio; T Sánchez. "Diario "El Mundo"".
- 7** **Title of the work:** Stop discriminación: evaluación de la aplicación de la Ley 14/2011 de la Ciencia en lo referente a la perspectiva de género con propuestas de mejora
Name of the event: VII XUGeX - Xornada Universitaria Galega en Xénero
Corresponding author: Yes
Date of event: 2021
Organising entity: Universidade de Santiago de Compostela, Universidade da Coruña, Universidade de Vigo
"ISBN: 978-84-18445-87-3".
- 8** **Title of the work:** El rescate de la maga Omega (escape room digital traducida a varios idiomas)
Name of the event: Día Internacional de la Mujer Matemática
Date of event: 12/05/2020
Organising entity: REAL SOCIEDAD MATEMATICA ESPAÑOLA



L Ferrando; I Epifanio.

- 9** **Title of the work:** Integrando la perspectiva de género en la docencia universitaria en matemáticas. Yes, we can!
Name of the event: JORNADA VIRTUAL EN COEDUCACIÓN MATEMÁTICA. ROMPIENDO ESTEREOTIPOS
Date of event: 2020
Organising entity: Universitat Jaume I
- 10** **Title of the work:** ¿Para qué sirven las matemáticas? ¿Qué hace una chica como yo en un sitio como éste?
Name of the event: JORNADA VIRTUAL EN COEDUCACIÓN MATEMÁTICA. ROMPIENDO ESTEREOTIPOS
Date of event: 2020
Organising entity: Universitat Jaume I
- 11** **Title of the work:** Día Internacional de la Mujer Matemática: Mirzakhani, referentes y estereotipos
Name of the event: 12M Día Internacional de la Mujer Matemática
Type of event: Media interviews
Date of event: 2020
Organising entity: RSME
B Barrios; P Contreras; R Crujeiras; I Epifanio. "Diario ABC".
- 12** **Title of the work:** Las matemáticas que revelan el techo de cristal de las mujeres en ciencia
Name of the event: 11F Día Internacional de la Niña y la Mujer en la Ciencia
Type of event: Media interviews
Date of event: 2020
Organising entity: RSME
R Crujeiras; I Epifanio; T Sánchez. "Diario "ABC"".
- 13** **Title of the work:** La incorporación de la perspectiva de género en la ciencia y la tecnología
Name of the event: Jornadas Ciencia y Tecnología: retos para la igualdad (ESTCE). Universitat Jaume I
Date of event: 2019
Organising entity: Universitat Jaume I
- 14** **Title of the work:** ¿En qué investiga una matemática en la UJI? ¿Qué hace una chica como yo en un sitio como éste?
Name of the event: Jornadas <<¿En qué investigan los matemáticos de la UJI?>>
Date of event: 02/2015
Organising entity: Universitat Jaume I

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Grupo de trabajo del Ministerio de Ciencia e Innovación "Dossier con actividades por el 11F" Día de las niñas y mujeres en la Ciencia
Start-End date: 2023 - 2023
- 2** **Committee title:** Comisión de Mujeres y Matemáticas de la RSME
Start-End date: 01/01/2020 - 21/01/2022
- 3** **Committee title:** Group P3E (Promoting positive professional environments for women) from Caucus for Women in Statistics
Start-End date: 01/2020 - 12/2021
- 4** **Committee title:** CWM Ambassador (Committee for Women in Mathematics), International Mathematical Union
Start-End date: 12/04/2021 - 13/10/2021
- 5** **Committee title:** Presidenta de la Comisión de Mujeres en Matemáticas del CEMat (Comité Español de Matemáticas)
Start-End date: 12/04/2021 - 13/10/2021
- 6** **Committee title:** Grupo de trabajo del Ministerio de Ciencia e Innovación para integrar la perspectiva de género en la reforma de la Ley de Ciencia
Start-End date: 2021 - 2021
- 7** **Committee title:** Grupo de trabajo para el seguimiento de las actuaciones en igualdad de género en I+D+I del Observatorio de Mujeres, Ciencia e Innovación del Ministerio
Start date: 2021
- 8** **Committee title:** Referee de más de 100 publicaciones en JCR (Expert Systems with Applications, Technometrics, CSDA, etc.)

Organization of R&D activities

- 1** **Title of the activity:** V Congreso de Jóvenes Investigadores de la RSME
Start-End date: 2020 - 2020
- 2** **Title of the activity:** II Jornades d'aplicacions de les matemàtiques a la medicina
Type of activity: coorganización junto con José Joaquín Gual Arnau, María Victoria Ibáñez Gual, Vicente Martínez García, Amelia Simó Vidal.
Geographical area: National
Start date: 01/2012

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CURRÍCULUM VITAE NORMALIZADO

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- 3** **Title of the activity:** I Jornades d'aplicacions de les matemàtiques a la medicina
Type of activity: coorganización junto con José Joaquín Gual Arnau, María Victoria Ibáñez Gual, Vicente Martínez García, Amelia Simó Vidal.
Geographical area: National
Start date: 01/2011
- 4** **Title of the activity:** Jornadas sobre las aplicaciones de la Estereología y el Análisis de Imagen en Radiología
Type of activity: coorganización junto con X. Gual
Geographical area: National
Start date: 09/2002
- 5** **Title of the activity:** XXIII Congreso Nacional de Estadística e Investigación Operativa
Type of activity: colaboración con el comité organizador
Geographical area: National
Start date: 03/1997

R&D management

- 1** **Name of the activity:** Evaluadora de proyectos NWO (Dutch Research Council) de Países Bajos
Start date: 2024
- 2** **Name of the activity:** Evaluadora de proyectos University of Luxembourg (Luxemburgo)
Start date: 2024
- 3** **Name of the activity:** Evaluadora de proyectos FWO (Research Foundation Flanders) de Bélgica
Start date: 2022
- 4** **Name of the activity:** Evaluadora de proyectos UEFISCDI (Ministry of National Education and Scientific Research and its Executive Agency for Higher Education, Research, Development and Innovation Funding) de Rumanía
Start date: 2019
- 5** **Name of the activity:** Evaluadora de proyectos Agencia Estatal de Investigación (ANEP)
Start date: 2018
- 6** **Name of the activity:** Evaluadora de proyectos MIUR (Ministero dell'Istruzione, dell'Università e della Ricerca) de Italia
Start date: 2018

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Universitat de València
City of entity: Burjassot, Spain
Start date: 2012
Duration: 70 days
Name of programme: APLICACION DE TECNICAS MORFOMETRICAS AL DISEÑO Y EVALUACION FUNCIONAL DE INDUMENTARIA
Goals of the stay: Post-doctoral
Narrative explanation: Dos artículos: CAIE (2013) & CSDA (2015) y dirección de la tesis doctoral de Guillermo Vinué
- 2** **Entity:** Joint Research Centre, Comisión Europea
City of entity: Ispra, Italy
Start date: 2002
Duration: 91 days
Name of programme: Morfología matemática en el análisis de texturas
Goals of the stay: Post-doctoral
Narrative explanation: Artículo IEEE Geoscience (2007) y congreso indexado: IEEE International Geoscience and Remote Sensing Symposium, 2003
- 3** **Entity:** Kingston University
City of entity: United Kingdom
Start date: 10/2000
Duration: 14 days
Funding entity: Ministerio de Educación y Cultura: acciones integradas de investigación científica y técnica entre España y Reino Unido
Name of programme: HB 1999-0073 Un sistema robusto de seguimiento de personas mediante visión artificial
Goals of the stay: Guest
Narrative explanation: Gutiérrez, J., Epifanio, I., Remagnino, P., Jones, G.A. and Ferri, F.J. (2001) Multi-event tracking with the CONDENSATION algorithm. In: IX Spanish Symposium on Pattern Recognition and Image Analysis

Obtained grants and scholarships

- 1** **Name of the grant:** Beca estancia Morfología matemática
Aims: Post-doctoral
Awarding entity: Universitat Jaume I
Conferral date: 18/09/2002
Duration: 3 months
End date: 18/12/2002
Entity where activity was carried out: Joint Research Center (Italia)
- 2** **Name of the grant:** Beca FPI
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 01/01/1999
Duration: 21 months
Entity where activity was carried out: Universitat de València



- 3** **Name of the grant:** Beca especialización profesional
Awarding entity: IMPIVA (Generalitat Valenciana)
Conferral date: 07/01/1998 **Duration:** 12 months
- 4** **Name of the grant:** Beca colaboración
Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA
Conferral date: 01/11/1996 **Duration:** 8 months
Entity where activity was carried out: Universitat de València

Editorial councils

Name of the editorial council: The Scientific World Journal
Start date: 18/09/2013 **Duration:** 3 years

Prizes, mentions and distinctions

- 1** **Description:** Third prize in XV Edición dos Premios á Introducción da Perspectiva de Xénero na Investigación from Universidade de Santiago de Compostela
Awarding entity: Universidade de Santiago de Compostela
Conferral date: 2024
- 2** **Description:** Premio Margarita Salas
Awarding entity: Talent Woman Spain
City awarding entity: Málaga
Conferral date: 03/11/2022
- 3** **Description:** Premio de Investigación y género en actividad docente por "La perspectiva de género en la docencia universitaria: generando conocimiento transformador"
Awarding entity: Universitat Jaume I
Conferral date: 26/10/2022
- 4** **Description:** Award for the best presentation and best paper in "Diversity, equity and gender in digital education" por "Analysis of the contributions to the SDGs of university students by degrees" publicado en IEEE
Awarding entity: XII International Conference on VIRTUAL CAMPUS (2022)
City awarding entity: Arequipa, Peru
Conferral date: 30/09/2022
- 5** **Description:** Premio UJI Compromiso Social - Banco Santander
Awarding entity: Banco Santander -Universitat Jaume I
Conferral date: 2021
- 6** **Description:** Premio de divulgación científica
Awarding entity: Banco Santander -Universitat Jaume I
Conferral date: 2018
- 7** **Description:** Premio a la Excelencia Docente Universitaria (Curso 2013/2014)
Awarding entity: Universitat Jaume I
Conferral date: 2015



- 8** **Description:** Premio por la visibilización de mujeres científicas: La historia de pi
Awarding entity: FUNDACIO ISONOMIA
Conferral date: 2013
- 9** **Description:** Premio extraordinario de doctorado, campo Matemáticas y Física
Awarding entity: Universitat de València **Type of entity:** University
Conferral date: 09/2003
- 10** **Description:** Mención de Honor en III International Competition for University Students in Mathematics
Awarding entity: University College London **Type of entity:** University
City awarding entity: Bulgaria
Conferral date: 08/1996

Periods of research activity and knowledge transfer

Certifying entity: CNEAI
Date of recognition: 31/12/2021