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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.

Periods of research activity: 4 (last one: 2021)

PhD thesis supervised: 9

PhD thesis ongoing: 5

Scientific production (from Scopus): data 28th february 2025

Total cites: 4887

Average citation (last 5 years): 362 cites/year

H-index: 23

Publications (last 10 years): 58

Current professional situation

Employing entity: Universidad de Salamanca
Department: Ingeniería Química, Ciencias Químicas
Professional category: Catedrática de Universidad
Start date: 02/2017
Type of contract: Civil servant

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Salamanca	Directora de Departamento	27/05/2014
2	Universidad de Salamanca	Secretaria de departamento	27/05/2010
3	Universidad de Salamanca	Profesor Investigador (Ramón y Cajal)	01/12/2003
4		Profesor Ayudante University of Alabama Huntsville (U.S.A.)	01/08/2001
5	Procter& Gamble (Newcastle)	Ingeniero Químico (T4)	
6	Universidad de Salamanca	Contratado Titulado Superior	01/01/2001
7	Universidad de Salamanca	Becario F.P.I.	01/01/1997
8		Becario Doctorado University of UMIST Manchester (U.K.) Desde	01/2006
9	Universidad Universidad de Salamanca	Profesor Titular de	28/12/2007

1 **Employing entity:** Universidad de Salamanca **Type of entity:** University
Professional category: Directora de Departamento
Start-End date: 27/05/2014 - 16/06/2022

2 **Employing entity:** Universidad de Salamanca
Department: Ingeniería Química y Textil, CC Químicas
Professional category: Secretaria de departamento
Start-End date: 27/05/2010 - 03/03/2014

3 **Employing entity:** Universidad de Salamanca
Professional category: Profesor Investigador (Ramón y Cajal)
Start-End date: 01/12/2003 - 27/12/2007

4 **Professional category:** Profesor Ayudante University of Alabama Huntsville (U.S.A.)
Start-End date: 01/08/2001 - 01/08/2002



- 5** **Employing entity:** Procter& Gamble (Newcastle)
Professional category: Ingeniero Químico (T4)
End date: 01/08/2002
- 6** **Employing entity:** Universidad de Salamanca
Professional category: Contratado Titulado Superior
Start-End date: 01/01/2001 - 01/08/2001
- 7** **Employing entity:** Universidad de Salamanca
Professional category: Becario F.P.I.
Start-End date: 01/01/1997 - 01/01/2001
- 8** **Professional category:** Becario Doctorado University of UMIST Manchester (U.K.) Desde
Start-End date: 01/2006 - 01/09/1999
- 9** **Employing entity:** Universidad Universidad de Salamanca
Professional category: Profesor Titular de
Start date: 28/12/2007



Education

University education

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

- 1** **Name of qualification:** Licenciado con Grado en C. Químicas
Degree awarding entity: Universidad de Salamanca (MEC)
Date of qualification: 11/1998
- 2** **Name of qualification:** Licenciado en Ciencias Químicas
Degree awarding entity: Universidad de Salamanca (MEC)
Date of qualification: 06/1996

Doctorates

Doctorate programme: Doctor en Ingeniería Química
Degree awarding entity: Universidad de Salamanca
Date of degree: 14/12/2000

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		B1	A1	A1	A1
English		B1	B1	B1	B1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Design and validation of nanotechnological strategies for HER2 positive breast cancer treatment
Type of project: Doctoral thesis
Entity: Universidad de Salamanca
Student: Celia Nieto
Obtained qualification: Sobresaliente CumLaude
Date of reading: 15/07/2021
European doctorate: Yes
Type of entity: University
- 2** **Project title:** Síntesis de nanopartículas como sistema para vehiculizar fármacos citotóxicos
Type of project: Doctoral thesis
Entity: Universidad de Salamanca
Student: Fernando Mesías
Type of entity: University



Obtained qualification: Sobresaliente Cum Laude

Date of reading: 30/11/2020

3 Project title: Producción y Caracterización del Biopolímero Levan para diferentes aplicaciones biomédicas

Type of project: Doctoral thesis

Entity: Universidad de Salamanca

Type of entity: University

Student: Álvaro González Garcinuño

Obtained qualification: Sobresaliente CUM LAUDE

Date of reading: 04/11/2019

4 Project title: Preparación y validación de un sistema de liberación controlada para aplicación en carcinoma de pulmón humano

Type of project: Doctoral thesis

Entity: Universidad de Salamanca

Type of entity: University

Student: José Vicente Román Prieto

Obtained qualification: Sobresaliente CUM LAUDE

Date of reading: 20/07/2018

5 Project title: Planta de producción de estireno a partir de etilbenceno

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: M^a Elena Fraile Santolino

Date of reading: 19/07/2017

6 Project title: Producción de polímero levan mediante un reactor con enzimas inmovilizadas

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Álvaro Sánchez Muñoz

Date of reading: 22/06/2017

7 Project title: Producción de un polímero levan mediante un reactor monolítico

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Sonia Ruiz Trujillo

Date of reading: 22/06/2017

8 Project title: Diseño de central térmica de ciclo combinado con simulación de equipos mediante CFD

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Guillermo Mira Osuna

Date of reading: 19/06/2017

9 Project title: Diseño y validación de un microrreactor para la producción de nanopartículas

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Héctor González Paniagua

Date of reading: 15/05/2017

10 Project title: Planta de gasificación de biomasa para producir energía eléctrica: Diseño del gasificador

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University



Student: Alberto Fraile Calvo

Date of reading: 31/03/2017

11 Project title: Planta de obtención de gas de síntesis. Diseño de un horno para la gasificación de biomasa

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Nuria Gómez García

Date of reading: 30/03/2017

12 Project title: Producción de aceite de Oliva virgen

Type of project: End of course project

Entity: Universidad de Salamanca

Type of entity: University

Student: Ana M^a Fraile Sánchez

Date of reading: 21/10/2016

13 Project title: Planta de producción de sorbitol. Diseño del reactor

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: M^a de las Nieves Herrero Benito

Date of reading: 15/09/2016

14 Project title: Planta de hidrodesulfuración de gasoil: Diseño del reactor de lecho fijo

Type of project: TFG

Entity: Universidad de Salamanca

Type of entity: University

Student: Jose Antonio Marquez Martin

Date of reading: 17/03/2016

15 Project title: Planta de valoración de residuos y subproductos de la industria agroalimentaria

Type of project: End of course project

Entity: Universidad de Salamanca

Type of entity: University

Student: Marisol Arjona Gonzalez

Date of reading: 02/2016

16 Project title: Planta de producción de sulfato de getamicina

Type of project: End of course project

Entity: Universidad de Salamanca

Type of entity: University

Student: Beatriz Gutiérrez Sánchez

Date of reading: 10/2015

17 Project title: Planta de producción de champú líquido

Type of project: End of course project

Entity: Universidad de Salamanca

Type of entity: University

Student: Irene Garrido Gonzalez

Date of reading: 10/2015

18 Project title: Planta de producción de chocolate

Type of project: End of course project

Entity: Universidad de Salamanca

Type of entity: University

Student: Nerea España Gomez

Date of reading: 10/2015



- 19** **Project title:** Diseño de una central térmica: Diseño de calderín
Type of project: TFG
Entity: Universidad de Salamanca **Type of entity:** University
Student: Guillermo Mira Osuna
Date of reading: 25/09/2015
- 20** **Project title:** Planta de producción de H₂ a partir de metano: Diseño de reactor de lecho fijo
Type of project: TFG
Entity: Universidad de Salamanca **Type of entity:** University
Student: Manuel Toufouris Silva
Date of reading: 24/09/2015
- 21** **Project title:** Planta de producción de H₂ a partir de metano: Diseño de reactor de lecho fluidizado
Type of project: TFG
Entity: Universidad de Salamanca **Type of entity:** University
Student: Lucia Vicente Hernández
Date of reading: 22/09/2015
- 22** **Project title:** Optimización de cultivo de microalgas para mejora de su contenido lipídico
Type of project: TFM
Entity: Universidad de Salamanca **Type of entity:** University
Student: Alvaro Gonzalez Garcinuño
Date of reading: 06/07/2015
- 23** **Project title:** Preparación, caracterización y validación "in vitro" de nanopartículas de alginato y piperazina vectorizadas para cáncer de mamá HER-2 positivo
Type of project: TFG
Entity: Universidad de Salamanca **Type of entity:** University
Student: Celia Nieto Jiménez
Date of reading: 30/06/2015
- 24** **Project title:** Planta de hidrodesulfuración del queroseno
Type of project: End of course project
Entity: Universidad de Salamanca **Type of entity:** University
Student: Noelia Juan Vicente
Date of reading: 05/06/2015
- 25** **Project title:** Producción de bioqueroseno a partir de aceite refinado de semillas de camelina
Type of project: End of course project
Entity: Universidad de Salamanca **Type of entity:** University
Student: David Mendez Mateos
Date of reading: 03/06/2015
- 26** **Project title:** Descomposición catalítica de gas natural para la obtención de hidrógeno, en un reactor de lecho fluidizado
Type of project: End of course project
Entity: Universidad de Salamanca **Type of entity:** University
Student: Sara Izquierdo Novalbos
Date of reading: 30/04/2015



- 27** **Project title:** Planta de producción de gentamicina
Type of project: TFG
Entity: Universidad de Salamanca
Student: Nazaret Simón Portela
Date of reading: 19/09/2014
- 28** **Project title:** Diseño de una planta de craqueo de metano a baja temperatura
Type of project: TFG
Entity: Universidad de Salamanca
Student: Alba Martin Tabasco
Date of reading: 17/09/2014
- 29** **Project title:** Study of Instability and Breakup of high viscous capillary jets to produce monodisperse size-controlled microparticles
Type of project: Doctoral thesis
Co-director of thesis: Miguel Ángel Galán Serrano
Entity: Universidad de Salamanca **Type of entity:** University
Student: Cristina Rodriguez Rivero
Date of reading: 04/09/2014
European doctorate: Yes
- 30** **Project title:** Optimización de medio de cultivo para la mejora de contenido lipídico de dos especies de microalgas
Type of project: TFG
Entity: Universidad de Salamanca
Student: Álvaro González Garcinuño
Date of reading: 30/06/2014
- 31** **Project title:** Preparación y validación in vitro de nanopartículas para tratamiento de carcinoma pulmonar
Type of project: TFG
Entity: Universidad de Salamanca
Student: M^a Loreto Parga Vidal
Date of reading: 30/06/2014
- 32** **Project title:** Estudio termodinámico de un proceso SEDS para la precipitación de fármacos
Type of project: Doctoral thesis
Co-director of thesis: Miguel Ángel Galán Serrano
Entity: Universidad de Salamanca **Type of entity:** University
Student: Antonio Tabernero de Paz
Date of reading: 06/06/2014
- 33** **Project title:** "Diseño de una planta de gasificación de biomasa para producción de energía eléctrica"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Víctor San Francisco Rueda
Date of reading: 05/06/2014
- 34** **Project title:** "Planta de producción de neumáticos de grandes dimensiones"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Ángela Hernández Sánchez
Date of reading: 02/06/2014



- 35** **Project title:** Diseño de una columna de destilación en la producción de metilaminas
Type of project: TFM
Entity: Universidad de Salamanca
Student: M^a Celeste Sánchez Martín
Date of reading: 13/05/2014
- 36** **Project title:** Planta de Fabricación de Cava
Type of project: TFM
Entity: Universidad de Salamanca
Student: José Vicente Román Prieto
Date of reading: 13/05/2014
- 37** **Project title:** Desarrollo de nuevos sistemas para el cambio de escala en cromatografía de afinidad
Type of project: Doctoral thesis
Co-director of thesis: Miguel Ángel Galán Serrano
Entity: Universidad de Salamanca **Type of entity:** University
Student: Milena Vega
Date of reading: 22/11/2013
- 38** **Project title:** Planta de micronización de tretinoína
Type of project: TFM
Entity: Universidad de Salamanca
Student: Montaña Elviro Pérez
Date of reading: 02/05/2013
- 39** **Project title:** "Planta de producción de carbonato de litio"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Ana Belén San Mamerto Cruz
Date of reading: 10/10/2012
- 40** **Project title:** "Absorción de CO₂ procedente de una central térmica"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Pedro José García Vara
Date of reading: 15/02/2012
- 41** **Project title:** "Producción de biodiesel a partir de aceites de fritura"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Beatriz Martín Naváis
Date of reading: 18/10/2011
- 42** **Project title:** "Planta de producción de silicio de grado industrial"
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Abel Caballero Sánchez
Date of reading: 06/06/2011



- 43** **Project title:** “Planta de cogeneración de electricidad mediante celdas de combustible”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Miryam Criado González
Date of reading: 03/06/2011
- 44** **Project title:** “Planta de producción de batch de aminoácidos”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Patricia Pérez Esteban
Date of reading: 18/02/2011
- 45** **Project title:** “Planta de producción de detergentes”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Vanesa Yuste Sánchez
Date of reading: 10/02/2011
- 46** **Project title:** “Planta de producción de hipoclorito sódico”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Carlos Esteban Martín
Date of reading: 13/10/2010
- 47** **Project title:** “Planta de producción de óxido de etileno”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Carlos Muga Gómez
Date of reading: 07/10/2010
- 48** **Project title:** Generación de microcápsulas a partir de fluidos no-newtonianos
Type of project: Minor thesis
Co-director of thesis: Miguel Ángel Galán Serrano
Entity: Universidad de Salamanca
Student: M^a Cristina Rodríguez Rivero
Date of reading: 29/06/2010
- 49** **Project title:** DESARROLLO Y CARACTERIZACION DE UNA NUEVA TECNICA DE GENERACION DE MICROCAPSULAS
Type of project: Doctoral thesis
Co-director of thesis: Miguel Ángel Galán Serrano
Entity: Universidad de Salamanca
Student: Edgar Perez Herrero
Date of reading: 14/06/2010
- 50** **Project title:** “Planta de producción de detergente para lavadoras”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: José Nogareda Guijo
Date of reading: 04/06/2010



- 51** **Project title:** “Planta de producción de aceite a partir de microalgas”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Estela Escribano Rodríguez
Date of reading: 18/02/2010
- 52** **Project title:** “Planta de producción de biodiesel a partir de aceite de microalgas”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Patricia Lozano Martínez
Date of reading: 14/10/2009
- 53** **Project title:** “Planta de producción de biodiesel a partir de aceites de fritura usados”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Diego Sánchez Alonso
Date of reading: 14/10/2009
- 54** **Project title:** “Producción de biodiesel a partir de microalgas”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Celia P. Rodrigo Ruiz
Date of reading: 07/10/2009
- 55** **Project title:** “Producción de biodiesel con microalgas”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Borja Román Corrochano
Date of reading: 11/06/2009
- 56** **Project title:** “Hidrodesulfuración de gasoil”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Sergio Álvarez Matías
Date of reading: 27/05/2009
- 57** **Project title:** Estudio termodinámico de sistemas ternarios en condiciones supercríticas
Type of project: Minor thesis
Entity: Universidad de Salamanca
Student: Antonio Tabernero de Paz
Date of reading: 15/03/2009
- 58** **Project title:** “Planta de obtención de biodiesel a partir de aceites crudos y usados”
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Borja González Prieto
Date of reading: 10/02/2009
- 59** **Project title:** “Planta de producción de biodiesel”
Type of project: End of course project
Entity: Universidad de Salamanca

Student: Esther Sevillano Domínguez

Date of reading: 14/07/2008

60 Project title: "Planta de producción de biodiesel"

Type of project: End of course project

Entity: Universidad de Salamanca

Student: Raquel Moreno Sánchez

Date of reading: 03/07/2008

61 Project title: "Planta de producción de detergentes"

Type of project: End of course project

Entity: Universidad de Salamanca

Student: Beatriz Martín García

Date of reading: 26/02/2008

62 Project title: "Refinado de aceite de oliva"

Type of project: End of course project

Entity: Universidad de Salamanca

Student: Alberto Bártulos Hernández

Date of reading: 25/02/2008

63 Project title: "Planta de producción de biodiesel"

Type of project: End of course project

Entity: Universidad de Salamanca

Student: Antonio Tabernero de Paz

Date of reading: 19/10/2007

64 Project title: "Planta de obtención de biodiesel"

Type of project: End of course project

Entity: Universidad de Salamanca

Student: M^a Eugenia López Andrés

Date of reading: 11/10/2007

65 Project title: Desarrollo de films poliméricos para sus aplicaciones en microencapsulación

Type of project: TFM

Entity: Universidad de Salamanca

Student: Lia Isabela Esteves Alves

Date of reading: 31/07/2007

66 Project title: Cromatografía de afinidad: desarrollo de un adsorbente en IMAC y estudio cinético

Type of project: TFM

Entity: Universidad de Salamanca

Student: Joana Figueiró Silva

Date of reading: 31/07/2006

67 Project title: Encapsulación de células madre y monocitos en films de alginato-bario

Type of project: TFM

Entity: Universidad de Salamanca

Student: Sonia Marisa Domingo Pereira

Date of reading: 31/07/2006



- 68** **Project title:** Planta de obtención de hipoclorito sódico
Type of project: End of course project
Entity: Universidad de Salamanca
Student: Rafael Martín Sánchez
Date of reading: 18/06/2006
- 69** **Project title:** Desarrollo de un modelo para la predicción del tamaño de microcápsulas producidas por atomización
Type of project: Minor thesis
Entity: Universidad de Salamanca
Student: Edgar Pérez Herrero
Date of reading: 04/04/2006
- 70** **Project title:** Estudio y caracterización del mecanismo de difusión en microcápsulas alginato-calcio y alginato-bario
Type of project: Minor thesis
Entity: Universidad de Salamanca
Student: Ángel del Pozo Pérez
Date of reading: 31/03/2006
- 71** **Project title:** Estudio cinético de adsorción y elución de catalasa en Batch mediante cromatografía IMAC
Type of project: TFM
Entity: Universidad de Salamanca
Student: Joao Pedro Tovaes Pereira da Silva
Date of reading: 30/06/2005
- 72** **Project title:** Microencapsulación de activos terapéuticos: estudio y caracterización de velocidad de Difusión
Type of project: TFM
Entity: Universidad de Salamanca
Student: Daniel José Marinho Alves
Date of reading: 30/06/2005
- 73** **Project title:** Transferencia de materia y cinética de liberación en Microcápsulas
Type of project: TFM
Entity: Universidad de Salamanca
Student: Nabet Ophelie
Date of reading: 19/02/2005
- 74** **Project title:** Estudios de equilibrio de adsorción-desorción de la enzima SOD en IMAC
Type of project: Minor thesis
Entity: Universidad de Salamanca
Student: Ruth Gutierrez Mozas
Date of reading: 02/12/2004
- 75** **Project title:** Estudios de equilibrio de adsorción-desorción de la enzima SOD en IMAC
Type of project: Minor thesis
Entity: Universidad de Salamanca
Student: Ruth Gutierrez Mozas
Date of reading: 02/12/2004

Other activities/achievements not included above

- 1** **Description of the activity:** Evaluadora Programas de Estudios de Ingeniería Química en Portugal
Organising entity: A3ES Portugal **Type of entity:** -
End date: 01/2016
- 2** **Description of the activity:** Miembro Comisión Doctorado
Organising entity: Universidad de Salamanca
- 3** **Description of the activity:** Miembro Comisión Grado Ingeniería Química
Organising entity: Universidad de Salamanca Facultad CC Químicas
- 4** **Description of the activity:** Miembro Comisión Master Universitario Ingeniería Química
Organising entity: Universidad de Salamanca Facultad CC Químicas

Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** DESARROLLO Y VALIDACIÓN DE UN SISTEMA DE ALMACENAMIENTO DE H2 PARA SU USO EN VEHÍCULOS DE AUTOMOCIÓN
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva Martin del Valle
Nº of researchers: 6
Funding entity or bodies: Junta de Castilla y León **Type of entity:** Regional Government
Start-End date: 05/09/2024 - 02/03/2028
Total amount: 180.000 €
- 2** **Name of the project:** DISEÑO DE UN GEL INYECTABLE PARA UN TRATAMIENTO MENOS TÓXICO DEL CÁNCER DE MAMA
Type of project: Research and development, including transfer
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva Martín del Valle
Nº of researchers: 7
Name of the programme: Retos Investigación
Start-End date: 01/09/2023 - 31/08/2026
Total amount: 120.000 €



- 3** **Name of the project:** Nueva nanopartícula inteligente para liberación de 5FU en cáncer de colon
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva Martín del Valle
Nº of researchers: 5
Name of the programme: Pruebas de Concepto
Start-End date: 01/11/2021 - 31/10/2023
Total amount: 90.000 €
- 4** **Name of the project:** La Célula Tumoral como reactor bioquímico: nanopartículas no citotóxicas con doble inhibición metabólica para reducir el crecimiento tumoral
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva Martin del Valle
Nº of researchers: 6
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** Ministerio
Start-End date: 01/06/2020 - 31/05/2023
Total amount: 90.000 €
- 5** **Name of the project:** Intensificación en la producción de nanopartículas terapéuticas y su aplicación en cáncer de mama
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva María Martín del Valle; Antonio Tabernero
Nº of researchers: 7
Funding entity or bodies: Universidad de Salamanca **Type of entity:** University
City funding entity: Salamanca, Castile and León, Spain
Start-End date: 01/05/2020 - 31/10/2020
Total amount: 10.000 €
- 6** **Name of the project:** DESARROLLO Y VALIDACIÓN DE UN AEROSOL CONTENIENDO NANOPARTÍCULAS VECTORIZADAS, PARA TRATAMIENTO DE CARCINOMA HUMANO DE PULMÓN
Entity where project took place: Universidad de Salamanca **Type of entity:** University
City of entity: Castile and León, Spain
Nº of researchers: 8
Funding entity or bodies: Fundación Ramón Areces **Type of entity:** Foundation
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2017 - 31/12/2019
Total amount: 119.175 €
- 7** **Name of the project:** PREPARACION DE NANOPARTICULAS A PARTIR DE MATERIALES INTELIGENTES: APLICACION A CANCER DE COLON Y HEPATICO
Entity where project took place: Universidad de Salamanca **Type of entity:** University
City of entity: Castile and León, Spain



Name principal investigator (PI, Co-PI....): Eva Martin del Valle

Nº of researchers: 8

Funding entity or bodies:

Ministerio de Economía y Hacienda

Type of entity: -

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 31/12/2016 - 30/12/2019

Total amount: 154.000 €

8 Name of the project: Preparación de nanocatalizadores no tóxicos para el tratamiento de cáncer

Entity where project took place: Universidad de Salamanca **Type of entity:** University

City of entity: Salamanca, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Nº of researchers: 3

Start-End date: 10/2017 - 10/2018

Total amount: 10.000 €

9 Name of the project: Desarrollo de un sistema nanoparticulado de dos fármacos de acción combinada para el tratamiento de cáncer de pulmón

Entity where project took place: Universidad de Salamanca **Type of entity:** University

City of entity: Castile and León, Spain

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Nº of researchers: 5

Funding entity or bodies:

Junta de Castilla y León

Type of entity: -

City funding entity: Valladolid, Castile and León, Spain

Start-End date: 01/07/2016 - 30/06/2018

Total amount: 120.000 €

10 Name of the project: Biolberoamérica 2016: Biotecnología integrando continentes

Entity where project took place: Universidad de Salamanca **Type of entity:** University

City of entity: Spain

Name principal investigator (PI, Co-PI....): Eva Martin del Valle

Nº of researchers: 10

Funding entity or bodies:

Ministerio de Economía y Competitividad

Type of entity: Ministerio

City funding entity: Spain

Type of participation: Principal investigator

Name of the programme: Apoyo a Congresos Internacionales

Start-End date: 09/2015 - 09/2016

Total amount: 18.000 €

11 Name of the project: SMART NANOPARTICLE SYSTEM FOR LUNG CANCER APPLICATION Project
acronym: NANOSMART

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Funding entity or bodies:

(ERC) PROOF OF CONCEPT 2012



144.300 EUR

FP 7 European Research Council

Start date: 01/04/2013

Duration: 1 year

- 12 Name of the project:** " DESARROLLO DE UN SISTEMA INTELIGENTE DE LIBERACION DUAL (TERMOTERAPIA Y QUIMIOTERAPIA) PARA APLICACION EN TUMORES CANCEROSOS VIA IN SITU.

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Funding entity or bodies:

Ministerio de Ciencia e Innovación (CTQ2012-32929 /PPQ) 138.500 EUR

Start date: 01/02/2013

Duration: 2 years - 2 days

- 13 Name of the project:** : DEVELOPMENT OF A TECHNOLOGY TO PRODUCE MICROCAPSULES, based on the formation of drops from viscous non-Newtonian liquids sprayed through fan-jet nozzles, TO USE IN CANCER THERAPY", Project acronym: MYCAP, Grant agreement no.: 258984

Geographical area: European Union

Name principal investigator (PI, Co-PI....): Eva Martin del Valle

Funding entity or bodies:

1

1.465.000 EUR

European Reserach Council

STARTING GRANTS 2010

Start date: 21/01/2011

Duration: 5 years

- 14 Name of the project:** "Desarrollo de una tecnología de producción de microcapsulas de afinidad para su aplicación en tratamiento de cáncer"

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Funding entity or bodies:

Ministerio de Ciencia e Innovación (CTQ2009-08222/PPQ) 152000 EUR

Start date: 01/01/2010

Duration: 2 years - 11 months - 30 days

- 15 Name of the project:** Ayudas proyecto investigación

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Funding entity or bodies:

Universidad de Salamanca (18.KAAF) 3.000 EUROS

Start date: 05/2009

- 16 Name of the project:** "Estudio y caracterización de las interacciones en cromatografía de afinidad"

Name principal investigator (PI, Co-PI....): Miguel A. Galán Serrano

Funding entity or bodies:

Junta de Castilla y León (EDU/894/2009) GR.30 –Grupos Investigación de Excelencia-

Start date: 27/04/2009

Duration: 2 years - 6 months - 4 days

- 17 Name of the project:** Desarrollo y validación experimental de un injerto tisular de fibroblastos factor de crecimiento endotelial vascular y factor de crecimiento fibroblástico como profilaxis de la fístula broncopleural tardía postneumonectomía"

Name principal investigator (PI, Co-PI....): José L. Aranda Alcaide

Nº of researchers: 5

**Funding entity or bodies:**

Consejería de Sanidad de la Junta de Castilla y León (GRS213/A/08)

Start date: 06/2008

Duration: 2 years - 4 months

- 18 Name of the project:** Estudio y caracterización de procesos de transporte en sistemas sometidos a flujo torsional"

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Funding entity or bodies:

Junta Castilla y León (SA094A08)

Start date: 06/2008

Duration: 2 years - 4 months

- 19 Name of the project:** Terapia celular y fármacos de última generación para tratamiento de enfermedades desmielinizantes"

Name principal investigator (PI, Co-PI....): Rafael Novenas

Nº of researchers: 4

Funding entity or bodies:

Junta Castilla y León (SA099A08)

Start date: 01/2008

Duration: 2 years - 11 months

- 20 Name of the project:** Desarrollo y Modelización de una nueva técnica de microencapsulación basada en procesos de atomización"

Name principal investigator (PI, Co-PI....): Eva Martín Del Valle

Funding entity or bodies:

Ministerio de Educación y Ciencia. (CTQ2006-01383/PPQ)

Start date: 10/2006

Duration: 3 years

- 21 Name of the project:** Desarrollo y modelización de una nueva técnica de microencapsulación con fines terapéuticos"

Name principal investigator (PI, Co-PI....): Eva Martín del Valle

Nº of researchers: 4

Funding entity or bodies:

Junta Castilla y León (SA017B06)

Start date: 09/2006

Duration: 2 years

- 22 Name of the project:** Fabricación sistemática y reproducible de recubrimientos nanotecnológicos de tipo Langmuir Blodget. Aplicación de conceptos hidrodinámicos y fisicoquímicos"

Name principal investigator (PI, Co-PI....): Fco. Javier Montes Sánchez

Nº of researchers: 4

Funding entity or bodies:

Junta Castilla y León (SA022B06)

Start date: 09/2006

Duration: 2 years

- 23 Name of the project:** Microencapsulación celular como terapia para la retinosis pigmentaria en retinas de ratones RD"

Name principal investigator (PI, Co-PI....): Almudena Velasco Arranz

Nº of researchers: 6

Funding entity or bodies:

Consejería de Sanidad de la Junta de Castilla y León (SAN/1598/2006)



Start date: 02/2006

Duration: 8 months

24 Name of the project: "Microencapsulación y terapia celular para la reparación neural"

Name principal investigator (PI, Co-PI....): Miguel Ángel Merchán Cifuentes

Nº of researchers: 14

Funding entity or bodies:

Confederación de Cajas de Ahorro de Castilla y León

Start date: 12/2005

Duration: 2 years

Participating entity/entities: 6

25 Name of the project: "Microencapsulación de factores neurotróficos para la reparación celular en enfermedades desmielinizante "

Name principal investigator (PI, Co-PI....): Miguel Ángel Merchán Cifuentes

Nº of researchers: 5

Funding entity or bodies:

Consejería de Sanidad de la Junta de Castilla y León.(SA028/04)

Start date: 12/2004

Duration: 1 year

26 Name of the project: "Simposio sobre nuevas tendencias en Ingeniería Química (New Trends in Chemical Engineering)"

Name principal investigator (PI, Co-PI....): M.A. Galán Serrano

Nº of researchers: 2

Funding entity or bodies:

D.G.I.C.Y T. (PPQ2002-12836-E)

Start date: 2004

27 Name of the project: "Tratamiento de efluentes procedentes de industrias químicas por métodos fotocatalíticos"

Name principal investigator (PI, Co-PI....): M.A. Galán Serrano

Nº of researchers: 7

Funding entity or bodies:

Junta de Castilla y León (SA011/02)

Start date: 10/2001

Duration: 2 years

28 Name of the project: "Determinación de parámetros característicos en cromatografía de afinidad"

Name principal investigator (PI, Co-PI....): M.A. Galán Serrano

Nº of researchers: 6

Funding entity or bodies:

D.G.I.C.Y.T. (PB95-0941)

Start date: 01/11/1996

Duration: 3 years

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

- 1** **Name of the project:** PROYECTO DE INGENIERÍA PARA LA PUESTA EN MARCHA DE UNA PLANTA DE UN API PARA EL TRATAMIENTO DE DIFERENTES PATOLOGÍAS PANCREÁTICAS
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Eva Martin del Valle
Nº of researchers: 7
Participating entity/entities: Universidad de Salamanca
Funding entity or bodies:
Pharmaceutical Biotechnology **Type of entity:** Business
Start date: 01/03/2025 **Duration:** 6 months
Total amount: 242.000 €
- 2** **Name of the project:** Produccion de sistemas de liberacion controlada de enzimas pancreaticas
Type of project: Industrial research **Entity where project took place:** Universidad de Salamanca
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad de Salamanca **Type of entity:** University
Name principal investigator (PI, Co-PI....): Eva Martín del Valle
Nº of researchers: 3
Funding entity or bodies:
Pharmaceutical Biotechnology SL **Type of entity:** Business
Start date: 01/05/2024 **Duration:** 10 months
Total amount: 200.000 €
- 3** **Name of the project:** Produccion de sistemas de liberacion controlada de enzimas pancreaticas
Type of project: Industrial research **Entity where project took place:** Viamoalta SL
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Viamoalta SL **Type of entity:** Business
Name principal investigator (PI, Co-PI....): Eva Martín del Valle
Nº of researchers: 3
Participating entity/entities: Viamoalta SL
Funding entity or bodies:
Viamoalta SL **Type of entity:** Business
City funding entity: Madrid, Spain
Start date: 01/11/2022 **Duration:** 3 months
Total amount: 64.000 €
- 4** **Name of the project:** Producción de sistemas de liberación dirigida y controlada de enzimas pancreáticas
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Eva Martín del Valle
Nº of researchers: 5
Funding entity or bodies:
PharmaGip
Start date: 01/12/2021 **Duration:** 10 months
Total amount: 80.000 €



- 5** **Name of the project:** Gestión de la formación académica complementaria del C.M. Tomás Luis de Victoria
Degree of contribution: Managing coordinator
Name principal investigator (PI, Co-PI....): Álvaro González Garcinuño; Eva Martín del Valle
Nº of researchers: 2
Funding entity or bodies:
Fundación para la Educación Obispo Santos Moro **Type of entity:** Foundation
Briz
Start date: 15/11/2021 **Duration:** 1 year
Total amount: 18.200 €
- 6** **Name of the project:** Asesoramiento científico en síntesis de quimiotipos y derivados en el marco de los proyectos estratégicos 10/18/SA/0009 y 10/18/SA/0010
Name principal investigator (PI, Co-PI....): Joaquín Rodríguez Morán; Eva Martín del Valle
Nº of researchers: 3
Participating entity/entities: KRASKO; Universidad de Salamanca
Funding entity or bodies:
KRASKO **Type of entity:** Business
Start date: 01/09/2021 **Duration:** 2 years
- 7** **Name of the project:** Gestión de la formación académica complementaria del C.M. Tomás Luis de Victoria
Degree of contribution: Managing coordinator
Name principal investigator (PI, Co-PI....): Álvaro González Garcinuño; Eva Martín del Valle
Nº of researchers: 2
Funding entity or bodies:
Obispado de Ávila **Type of entity:** Religiosa
City funding entity: Spain
Start date: 15/05/2021 **Duration:** 6 months
Total amount: 9.100 €
- 8** **Name of the project:** Gestión de la formación académica complementaria del C.M. Tomás Luis de Victoria
Degree of contribution: Managing coordinator
Name principal investigator (PI, Co-PI....): Álvaro González Garcinuño; Eva Martín del Valle
Nº of researchers: 2
Funding entity or bodies:
Obispado de Ávila **Type of entity:** Religiosa
City funding entity: Spain
Start date: 15/11/2020 **Duration:** 6 months
Total amount: 9.100 €
- 9** **Name of the project:** Optimización de la central térmica ACECA de Iberdrola
Type of project: Industrial research
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Eva Martín del Valle; Jose Manuel Roco
Nº of researchers: 6
Funding entity or bodies:
Iberdrola Ingeniería y Construcción **Type of entity:** Business
City funding entity: Madrid, Community of Madrid, Spain
Start date: 01/04/2016 **Duration:** 21 months



Total amount: 75.000 €

10 Name of the project: Influencia del uso de Biodiesel en el comportamiento de motores de automoción

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 2

Funding entity or bodies:

Alternativas Ecologicas Ingenieria Energetica

SL

Start date: 09/2010

Duration: 6 months

Total amount: 15.000 €

11 Name of the project: Caracterización tecnológica de pinturas líquidas. Implantación de un sistema de calidad en su aplicación y uso. Efecto sobre la superficie pintada

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 2

Funding entity or bodies:

Creative Resins Europe

Start date: 07/2008

Duration: 5 months

Total amount: 13.920 €

12 Name of the project: Asesoramiento y Consultoría en Temas Ingenieriles

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 2

Funding entity or bodies:

Soluciones Informáticas Ambientales S.L.

Start date: 04/2008

Duration: 1 year

Total amount: 20.880 €

13 Name of the project: Realización de los trabajos necesarios para el desarrollo del proyecto Un herbicida sostenible contra el Jacinto del Agua

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 2

Funding entity or bodies:

Universidad de Extremadura

Start date: 03/2008

Duration: 1 year

Total amount: 27.540,52 €

14 Name of the project: Estudio y caracterización de combustibles. Determinación de riesgos

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 2

Funding entity or bodies:

BLOQUE LOGISTICO DE HIDROCARBUROS (Programa CENIT)

Start date: 04/2007

Duration: 4 years



Total amount: 150.000 €

- 15 Name of the project:** Desarrollo de nuevas tecnologías de microencapsulación para la eliminación de compuestos Orgánicos volátiles en fibras textiles.

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 3

Funding entity or bodies:

PABLO FARRAS FAUS

S.A.

Start date: 01/2007

Duration: 11 months

Total amount: 23.450 €

- 16 Name of the project:** Diseño de una microcápsula cargada de un agente hidratante para la liberación lenta de este agente a la piel e inmovilización de esta microcápsula a un tejido de algodón

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Eva M^a Martín del Valle

Nº of researchers: 3

Funding entity or bodies:

GOLDEN QUÍMICA DO BRASIL

LTDA.

Start date: 12/2006

Duration: 1 year

Total amount: 34.090,41 €

- 17 Name of the project:** Identificación y eliminación de olores en fibras textiles: Estudio preliminar

Degree of contribution: Art.

Name principal investigator (PI, Co-PI....): Bernardo Moreno Cordero

Nº of researchers: 5

Funding entity or bodies:

GRUPO ANTOLIN

Start date: 09/2006

Duration: 3 months

Total amount: 7.888 €

Results

Industrial and intellectual property

- 1 Inventors/authors/obtainers:** EP1502645-A1; US2005026800-A1; WO2005011856-A1 2005-124944 Microcapsules useful in liquid detergents for use in e.g. manual a; BROECKX W A M (BROE-Individual); VALLE E M D (VALL-Individual) BROECKX W A M, MARTIN DEL VALLE E, VALLE E M D

- 2 Inventors/authors/obtainers:** Eva M. Martín del Valle; Edgar Pérez Herrero; Miguel Ángel Galán; (USAL) Gonzalo Varela; José Luís Aranda (SACYL) BIOCOMPATIBLE VASCULARISING AND CICATRIZING DRUG-DELIVERY MATRIX Patente

Entity holder of rights: Universidad de Salamanca

Nº of application: ber: 2359877 .Date: 24/08/2011



- 3** **Inventors/authors/obtainers:** Eva M. Martín del Valle; Edgar Pérez Herrero; Miguel Ángel Galán; (USAL) SYSTEM FOR PRODUCING MICROCAPSULES AND USE THEREOF Patente Europea: EP 10153319.8. Publicat
Entity holder of rights: Universidad de Salamanca
Nº of application: ber: 2359929 .Date: 24/08/2011

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Javier Álvarez Valcarce; Alejandro Jiménez; Inmaculada de Dios Pérez; Stefania Mottola; Antonio Tabernero; Eva Martín del Valle. Controlling the properties of lignin-polysaccharide macroporous materials with precursors viscoelasticity. Biomass and Bioenergy. 195, pp. 107700. Elsevier, 01/04/2025.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 6 **Corresponding author:** No
- 2** Álvaro González Garcinuño; Antonio Tabernero; Celia Nieto; Eva Martín del Valle; Sasa Kenjeres. Multiphysics simulation of liposome release from hydrogels for cavity filling following patient-specific breast tumor surgery. European Journal of Pharmaceutical Sciences. 204, pp. 106966. Elsevier, 01/01/2025.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 5 **Corresponding author:** No
- 3** Rania Djermane; Celia Nieto; Milena Vega; Eva Martín del Valle. EGFR-targeting polydopamine nanoparticles co-loaded with 5-fluorouracil, irinotecan, and leucovorin to potentially enhance metastatic colorectal cancer therapy. Scientific Reports. 14 - 1, pp. 292265. 01/12/2024.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 4
- 4** Álvaro González Garcinuño; Antonio Tabernero; Marcos Blanco-López; Eva Martín del Valle; Sasa Kenjeres. Multi-physics numerical simulation study on thermo-sensitive gel delivery for a local post-tumor surgery treatment. European Journal of Pharmaceutical Sciences. 203, pp. 106917. Elsevier, 01/12/2024.
Type of production: Scientific paper **Format:** Journal
Total no. authors: 5 **Corresponding author:** No
- 5** Carlos Alonso; Celia Nieto; Julio C Vargas; Milena Vega; Eva Martín del Valle. Understanding the growth kinetics of polydopamine nanoparticles as a function of the temperature and the type of alcohol used as solvent media in their polymerization. Chemical Engineering Journal Advances. 20 - 100638, Elsevier, 15/11/2024.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 6** Stefania Mottola; Gianluca Viscusi; Álvaro González Garcinuño; Antonio Tabernero; Stefano Cardea; Eva Martín del Valle; Giuliana Gorrasi; Iolanda de Marco. Controlling particle size of levan in powder form with different technologies. International Journal of Biological Macromolecules. 280 - 135768, Elsevier, 01/11/2024.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No



- 7** Antonio Tabernero; Álvaro González Garcinuño; Eva Martín del Valle. Ultrasound-assisted steps for producing biodiesel from microalgae. Current Research on Biotechnology. in press, 04/09/2024.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 8** Marcos Blanco López; Alejandro Marcos García; Álvaro González Garcinuño; Antonio Tabernero; Eva Martín del Valle. Exploring the effect of experimental conditions on the synthesis and stability of alginate-gelatin coacervates. Polymers for Advanced Technologies. 35 - e6554, 14/08/2024.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 9** Inmaculada de Dios Pérez; Alvaro Gonzalez Garcinuño; Isabel Muñoz Barroso; Eva Martin del Valle. A Synergistic Approach Therapy for Colorectal Cancer Based on Exosomes and Exploitation of Metabolic Pathways. Journal of Pharmaceutical Sciences. in press, 01/02/2024.
Type of production: Scientific paper
Corresponding author: Yes
- 10** Inmaculada de Dios Pérez; Álvaro González Garcinuño; Antonio Tabernero; Marcos Blanco López; Juan Alberto García Esteban; Vidal Moreno Rodilla; Belén Curto; Patricia Pérez Esteban; Eva Martin del Valle. Development of a thermosensitive hydrogel based on Polaxamer 407 and gellan gum with inclusion complexes (Sulfobutylated- β -cyclodextrin-Farnesol) as a local drug delivery system. European Journal of Pharmaceutical Sciences. 191 - 106618, 01/12/2023.
Type of production: Scientific paper
Corresponding author: Yes
- 11** Stefania Mottola; Giovanna Iannone; Maria Giordano; Álvaro González-Garcinuño; Alejandro Jiménez; Antonio Tabernero; Eva Martin del Valle; Iolanda de Marco. Supercritical impregnation of starch aerogels with quercetin: Fungistatic effect and release modelling with a compartmental model. International Journal of Biological Macromolecules. 253, 01/12/2023.
Type of production: Scientific paper
Corresponding author: No
- 12** Rania Djermane; Celia Nieto; Milena A Vega; Eva Martin del Valle. Antibody-Loaded Nanoplatfoms for Colorectal Cancer Diagnosis and Treatment: An Update. Pharmaceutics. 15 - 5, pp. 1514. MDPI, 15/05/2023.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 13** Inmaculada de Dios Perez; Celia Nieto; Milena A Vega; Eva Martin del Valle. Polyphenol extraction from olive leaves to show Chemical Engineering students the importance of revaluating residues while improving their hands-on experience. Education for Chemical Engineers. 43, pp. 10 - 22. Elsevier, 15/04/2023.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** Beatriz Arauzo; Alvaro Gonzalez Garcinuno; Antonio Tabernero; Javier Calzada Funes; Maria Pilar Lobera; Eva M. Martin del Valle; Jesus Santamaria. Engineering Alginate-Based Dry Powder Microparticles to a Size Suitable for the Direct pulmonary delivery of Antibiotics. Pharmaceutics. 14 - 12, pp. 2763. MDPI, 15/12/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 15** Álvaro González Garcinuño; Lucía Baldino; Antonio Tabernero; Mariangela Guastaferro; Ernesto Reverchon; Eva Martín del Valle. Validation of a Compartmental Model to Predict Drug Release from Porous Structures produced by scCO₂ techniques. European Journal of Pharmaceutical Sciences. in press, Elsevier, 04/11/2022.
Type of production: Scientific paper **Format:** Journal

- 16** Celia Nieto; Milena A Vega; Victor Rodriguez; Patricia Pérez Esteban; Eva Martín del Valle. Biodegradable gellan gum hydrogels loaded with paclitaxel for HER2+ breast cancer local therapy. Carbohydrate polymers. 294, pp. 119732. Elsevier, 15/10/2022.
Type of production: Scientific paper **Format:** Journal
- 17** Estela Sánchez Santos; Ligzajaya F Rodríguez Sahagún; Asmaa Habib; Ángel L Fuentes de Arriba; Francisca Sanz; Eva Martín del Valle; Joaquín Rodríguez Morán; Victoria Alcázar. Tryptophan association in water driven by charge-transfer interactions with electron-deficient aromatic haptens. Organic and Biomolecular Chemistry. 20, pp. 7972 - 7980. RSC, 28/09/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 18** Antonio Tabernero; Álvaro González Garcinuño; Stefano Cardea; Eva Martín del Valle. Supercritical carbon dioxide and biomedicine: Opening the doors towards biocompatibility. Chemical Engineering Journal. 444, pp. 136615. Elsevier, 15/09/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 19** Inmaculada de Dios Pérez; Álvaro González Garcinuño; Eva Martín del Valle. An Approach to Minimize Tumour Proliferation by Reducing the Formation of Components for Cell Membrane. Molecules. 27, pp. 2735. MPDI, 01/06/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 20** Rania Djermane; Celia Nieto; José Carlos Vargas; Milena Vega; Eva Martín del Valle. Insight into the influence of the polymerization time of polydopamine nanoparticles on their size, surface properties and nanomedical applications. Polymer Chemistry. 13 - 2, pp. 235 - 244. RSC, 14/01/2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 21** Beatriz Arauzo; Alvaro González Garcinuño; Antonio Tabernero; Maria Pilar Lobera; Jesús Santamaría; Eva Martín del Valle. Tuning Alginate microparticle size via Atomization of Non-newtonian fluids. Materials. 14, pp. 7601. 10/12/2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 22** Celia Nieto; Milena Vega; Eva Martín del Valle. Nature-inspired nanoparticles as paclitaxel targeted carrier for the treatment of her2-positive breast cancer. Cancers. MDPI, 01/06/2021.
Type of production: Scientific paper
Corresponding author: Yes
- 23** Marcos Blanco López; Álvaro González Garcinuño; Antonio Tabernero; Eva Martín del Valle. Steady and oscillatory shear flow behavior of different polysaccharides with laponite (R). Polymers. 13 - 6, pp. 966. MDPI, 15/04/2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 24** Celia Nieto; Milena A Vega; Eva Martín del Valle. Tailored-made polydopamine nanoparticles to induce ferroptosis in breast cancer cells in combination with chemotherapy. International Journal of Molecular Sciences. 22 - 6, pp. 1 - 16. MDPI, 01/04/2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes

- 25** Lucía Baldino; Álvaro González Garcinuño; Antonio Tabernero; Stefano Cardea; Eva Martín del Valle; Ernesto Reverchon. Production of fungistatic porous structures of cellulose acetate loading quercetin using supercritical CO₂. *Journal of Supercritical Fluids*. 169 - 105129, Elsevier, 01/01/2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 26** Celia Nieto; Milena Amparo Vega; Gema Marcelo; Eva Martín del Valle. Antineoplastic behavior of polydopamine nanoparticles prepared in different water/alcohol media. *Colloids and Surfaces B: Biointerfaces*. 199, pp. 111506. Elsevier, 01/12/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 27** Celia Nieto; Milena Amparo Vega; Eva Martín del Valle. Trastuzumab: More than a guide in HER2 positive cancer nanomedicine. *Nanomaterials*. 10 - 1674, pp. 1 - 20. MDPI, 01/10/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 28** Iván Garrido; Susana Lagüela; José V. Román; Eva María Martín del Valle; Diego González Aguilera. Computation of thermophysical properties for magnetite-based hyperthermia treatment simulations using infrared thermography. *International Journal of Heat and Mass Transfer*. 154 - 119770, Elsevier, 01/06/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 29** Antonio Tabernero; Lucía Baldino; Alexander Misol; Stefano Cardea; Eva Martín del Valle. Role of rheological properties on physical chitosan aerogels obtained by supercritical drying. *Carbohydrate polymers*. 233, pp. 115850. Elsevier, 10/01/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
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- 1** **Title of the work:** Carbon Source Optimization for Specific Fatty Acid Production in Microalgae
Name of the conference: Reunión Bienal de la Real Sociedad Española de Química
Type of participation: Participatory - oral communication
City of event: A Coruña, Galicia, Spain
Date of event: 22/07/2015
Organising entity: Real Sociedad Española de Química
Type of entity: Sociedad Científica
City organizing entity: Spain
Alvaro Gonzalez Garcinuño; Jose Maria Sánchez Álvarez; Eva Martin del Valle; Miguel A. Galán.
- 2** **Title of the work:** Enzymatic Activity Losses of Catalase Recovered by IMAC Chromatography
Name of the conference: Reunión Bienal de la Real Sociedad Española de Química
Type of participation: Participatory - oral communication
City of event: A Coruña, Galicia, Spain
Date of event: 22/07/2015
Organising entity: Real Sociedad Española de Química
Type of entity: Sociedad Científica
City organizing entity: Spain
Montaña Elviro; Eva Martin del Valle; Miguel A. Galán.



- 3 Title of the work:** IN VITRO AND IN VIVO VALIDATION OF A NEW DRUG DELIVERY SYSTEM FOR HUMAN LUNG CANCER
Name of the conference: AICHE annual meeting 2014
Date of event: 11/2014
Eva M. Martín del Valle; José V. Román; Miguel A. Galán.
- 4 Title of the work:** MODELLING OF A MONODISPERSE MICROPARTICLE PRODUCTION PROCESS FROM THE CONTROLLED HYDRODYNAMIC INSTABILITY OF HIGH VISCOSITY POLYMER JETS
Name of the conference: AICHE annual meeting 2014
Date of event: 11/2014
Eva M. Martín del Valle; MC Rodríguez-Rivero and M.A. Galán.
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Date of event: 11/2014
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 6 Title of the work:** PREPARATION AND PRELIMINARY ANTITUMOR ACTIVITY EVALUATION OF A NEW TARGETED NANOPARTICLE SYSTEM
Name of the conference: AICHE annual meeting 2014
Date of event: 11/2014
Eva M. Martín del Valle; José V. Román; Jesús A. Rodríguez-Rodríguez; Miguel A. Galán.
- 7 Title of the work:** “On the validation of superporous monolith, as stationary phase for Immobilized Metal Affinity Chromatography (IMAC)”
Name of the conference: 13th Mediterranean Congress of Chemical Engineering (13MCCE)
City of event: Barcelona,
Date of event: 10/2014
M. Elviro; E.M. Martín del Valle; M.A. Galán.
- 8 Title of the work:** “Optimization of microalgae culture for biodiesel production”
Name of the conference: 13th Mediterranean Congress of Chemical Engineering (13MCCE)
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Date of event: 10/2014
González-Garcinuño A.; Sánchez-Álvarez J.M.; Martín del Valle E.M.; Galán M.A.
- 9 Title of the work:** Role of the phase equilibria and the mass transfer coefficients in the precipitation of different drugs by using a SEDS technique
Name of the conference: II International Congress of Chemical Engineering of ANQUE
Geographical area: Non EU International
Type of participation: Participatory - oral communication
City of event: MADRID, España,
Date of event: 01/07/2014
End date: 04/07/2014
- 10 Title of the work:** A theoretical-experimental analysis of the precipitation of acetaminophen and tretinoin by using supercritical enhanced dispersion by supercritical fluids (SEDS)
Name of the conference: AICHE meeting 2013
Geographical area: Non EU International
Type of participation: Participatory - oral communication



City of event: San Francisco, Estados Unidos de América,

Date of event: 03/11/2013

End date: 08/11/2013

- 11 Title of the work:** Assessing the solubility of pharmaceuticals in supercritical carbon dioxide by using sublimation enthalpies
Name of the conference: AIChE anual meeting 2013
Geographical area: Non EU International
Type of participation: Participatory - oral communication
City of event: San Francisco, Estados Unidos de América,
Date of event: 03/11/2013
End date: 08/11/2013
- 12 Title of the work:** “On the use of ceramic monoliths for IMAC Chromatography: Adsorption kinetics and mass transfer effects on the separation of BSA and Catalase”
Name of the conference: 13 Annual Meeting AIChE
Type of participation: 'Participatory - poster
City of event: San Francisco,
Date of event: 11/2013
M. Vega; E. Martín del Valle; M. Galán and R. Cerro.
- 13 Title of the work:** Modeling solubility of solids in supercritical carbon dioxide using q-Chrastil equation
Name of the conference: III Iberoamerican Congress of Supercritical Fluids
Geographical area: Non EU International
Type of participation: 'Participatory - poster
City of event: Cartagena de Indias, Colombia
Date of event: 01/04/2013
End date: 05/04/2013
- 14 Title of the work:** “CFD Approach for the Analysis of NON-Newtonian Polymeric Microparticles Production”
Name of the conference: 12 Annual Meeting AIChE
Type of participation: 'Participatory - poster
City of event: Pittsburgh,
Date of event: 11/2012
Cristina Rodriguez Rivero; Eva M. Martín del Valle and Miguel A. Galán.
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Name of the conference: 12 Annual Meeting AIChE
City of event: Pittsburgh,
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Milena Vega; Eva M. Martín del Valle; Miguel A. Galán.
- 18 Title of the work:** "Development of a group contribution method to predict sublimation enthalpies of solids constituted by aromatic and/or polycyclic aliphatic rings. Application for solid-vapor equilibria"
Name of the conference: 12 Annual Meeting AIChE
City of event: Pittsburgh,
Date of event: 2012
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 19 Title of the work:** Precipitation of 13-cis-retinoic acid and acetaminophen with solution enhanced dispersion by supercritical fluids (SEDS). Role of phase behaviour to optimize size and morphology.
Name of the conference: 12º Mediterranean Congress of Chemical Engineering
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 15/11/2011
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 20 Title of the work:** Characterization and Theoretical Analysis of a new technique to produce microcapsules from the Breakup of Non-Newtonian Jets
Name of the conference: 12 Mediterranean Congress in Chemical Engineering
Type of participation: 'Participatory - poster
City of event: Barcelona, España,
Date of event: 11/2011
C. Rodríguez-Rivero; E.M. Martín del Valle; M.A. Galán.
- 21 Title of the work:** Estimating sublimation properties by modelling solubility data of solids in supercritical carbon dioxide.
Name of the conference: 8º European Congress of Chemical Engineering
City of event: Berlín, Germany
Date of event: 25/09/2011
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 22 Title of the work:** Solubility prediction of pharmaceutical compounds in supercritical carbon dioxide by using semiempirical equations.
Name of the conference: 8º European Congress of Chemical Engineering:
Type of participation: 'Participatory - poster
City of event: Berlín, Germany
Date of event: 25/09/2011
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 23 Title of the work:** Development of a technique to produce microcapsules from the breakup of non-Newtonian highly viscous fluid jets
Name of the conference: 8th European Congress of Chemical Engineering and 1st European Congress of Applied Biotechnology (ECCE / ECAB)
City of event: Berlín, Alemania,
Date of event: 09/2011
C. Rodríguez-Rivero; E.M. Martín del Valle1; M.A. Galán.



- 24** **Title of the work:** Cambio de escala de una planta de producción de biodiésel a partir de cultivos heterotróficos de microalgas: posibilidad económica y futuro industrial
Name of the conference: 12º Congreso Nacional de Microbiología
City of event: Salamanca, Spain
Date of event: 11/07/2011
Antonio Tabernero; Eva M. Martín del Valle; Miguel A. Galán.
- 25** **Title of the work:** Control of the mechanism of droplet generation from a viscous circular cylindrical jet by a superimposed frequency
Name of the conference: 19th International Congress of Chemical and Process Engineering CHISA 2010 and the 7th European Congress of Chemical Engineering ECCE-7
City of event: Prague,
Date of event: 09/2010
Rodriguez-Rivero C.; Martín del Valle E.; Galan M. A.
- 26** **Title of the work:** On the effect of electrostatic interactions in drug delivery of proteins from microcapsules
Presentation: Poster
Name of the conference: 19th International Congress of Chemical and Process Engineering CHISA 2010 and the 7th European Congress of Chemical Engineering ECCE-7
City of event: Prague,
Date of event: 09/2010
Perez-Herrero E.; Martín del Valle E.; Galan M. A.
- 27** **Title of the work:** Thermodynamic equilibria modeling of ternary systems of interest in supercritical fluids as antisolvents processes
Name of the conference: 19th International Congress of Chemical and Process Engineering CHISA 2010 and the 7th European Congress of Chemical Engineering ECCE-7
City of event: Prague,
Date of event: 09/2010
Tabernero A.; Martín del Valle E.; Galan M. A.
- 28** **Title of the work:** An Attempt To Scale-Up A Biodiesel Production Plant From A Microalgae Heterotrophic Culture. Economic Feasability And Future Industrial Potential.
Name of the conference: X AICHE Spring Meeting
City of event: San Antonio,
Date of event: 03/2010
Antonio Tabernero; Eva Martín del Valle; Miguel A. Galán.
- 29** **Title of the work:** DEVELOPMENT OF NEW TECHNOLOGIES FOR BIOMEDICAL APPLICATIONS.
Name of the conference: X AICHE Spring Meeting
City of event: San Antonio,
Date of event: 03/2010
Eva Martín del Valle; C Rodriguez.-Rivero; E.P.Herrero; M.A. Galán.
- 30** **Title of the work:** "Development of a new technology of microencapsulation to cell therapy based on air-blast atomizers"
Name of the conference: XVII International Conference on Bioencapsulation
City of event: Groningen, Netherlands,
Date of event: 09/2009
Edgar P. Herrero; E.M. del Valle and M.A. Galán.



- 31 Title of the work:** “Immobilization of cells in biocompatible films to cell therapy”
Name of the conference: XVII International Conference on Bioencapsulation
City of event: Groningen, Netherlands,
Date of event: 09/2009
Edgar P. Herrero; E.M. del Valle and M.A. Galán.
- 32 Title of the work:** “Modelling and simulation of unsteady mass transfer in living tissues”
Name of the conference: 11th Mediterranean Congress of Chemical Engineering.
City of event: Barcelona, España,
Date of event: 10/2008
Edgar P. Herrero; E.M. del Valle and M.A. Galán.
- 33 Title of the work:** “Solution of instability temporal dimensionless dispersion equation of a viscous sheet polymer produced by atomization”
Name of the conference: 11th Mediterranean Congress of Chemical Engineering.
City of event: Barcelona, España,
Date of event: 10/2008
Edgar P. Herrero; E.M. del Valle and M.A. Galán.
- 34 Title of the work:** “Temporal stability analysis of a viscous sheet polymer produced by atomization”
Name of the conference: 18th International Congress of Chemical and Process Engineering.
City of event: Praga, República Checa,
Date of event: 08/2008
Edgar P. Herrero; E.M. del Valle and M.A. Galán.
- 35 Title of the work:** “Diffusion prediction model of enzymes on IMAC chromatography”
Name of the conference: ACS Annual Meeting. Industrial & Engineering Division
City of event: New Orleans,
Date of event: 04/2008
R. Gutiérrez; Eva M. Martín del Valle and Miguel A. Galán.
- 36 Title of the work:** “Instability Study Of An Annular Liquid Sheet Of Polymer Produced By Atomization”
Name of the conference: European Congress of Chemical Engineering
City of event: Copenhagen, Denmark
Date of event: 09/2007
Edgar P. Herrero; Eva M. Martín del Valle and Miguel A. Galán.
- 37 Title of the work:** “The effect of non-newtonian fluid and flow conditions on the instability of an annular liquid sheet”
Name of the conference: 2006 Annual Meeting A.I.Ch.E.
City of event: San Francisco,
Date of event: 11/2006
Eva M. Martín del Valle; Edgar P. Herrero and Miguel A. Galán.
- 38 Title of the work:** “The use of hard-core two-yukawa potential in imac for prediction of diffusion coefficients”
Name of the conference: 2006 Annual Meeting A.I.Ch.E.
City of event: San Francisco,
Date of event: 11/2006
E.M. Martín del Valle; Ruth Gutierrez and Miguel A. Galán.



- 39 Title of the work:** “Development and modelling of a new microencapsulation technology based in air-blast atomization”
Name of the conference: CHISA 2006
City of event: PRAGA,
Date of event: 08/2006
Herrero E.P.; Martín del Valle E.M.; Galan M.A.
- 40 Title of the work:** “pH effect on difussion in IMAC Chromatography: theoretical model”
Name of the conference: CHISA 2006
City of event: PRAGA,
Date of event: 08/2006
Gutierrez R.; Martín del Valle E.M.; Galan M.A.
- 41 Title of the work:** “Adsorption and mass transfer Studies of catalase in Imac Chromatography”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
R. Gutiérrez; J.P. Silva, E.M.M. del Valle and M.A. Galán.
- 42 Title of the work:** “Desarrollo de nuevas tecnologías energéticas limpias: Celdas de combustible”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
F. Mayoral; E.M.M. del Valle; M.A. Galán.
- 43 Title of the work:** “Determination of mass transfer parameters in alginate beads”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
Type of participation: 'Participatory - poster
City of event: Barcelona,
Date of event: 11/2005
A. del Pozo; E.M.M. del Valle and M.A. Galán.
- 44 Title of the work:** “Development of a microencapsulation Technology of Stem Cell”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
E. Pérez; E.M.M. del Valle and M.A. Galán.
- 45 Title of the work:** “Encapsulation of potentially active substances: study and characterization of diffusion velocity”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
D. Alves; E.M.M. del Valle and M.A. Galán.
- 46 Title of the work:** “Study and characterization of polyelectrolite complex beads”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
M. Luengo; E.M.M. del Valle and M.A. Galán.



- 47** **Title of the work:** “pH effect on the external mass transfer and on the intraparticle diffusion coefficients for catalase and SOD in IMAC Chromatography”
Name of the conference: 10th Mediterranean Congress of Chemical Engineering
City of event: Barcelona,
Date of event: 11/2005
R. Gutiérrez; E.M.M. del Valle and M.A. Galán.
- 48** **Title of the work:** Pressure-induced formation of warfarin crystals in poly(butyl methacrylate) film
Name of the conference: NSF Site Review, Chaper Hill
Date of event: 10/2005
E.M.M. del Valle; Dawei Xu, Jim MacClain and Ruben G. Carbonell.
- 49** **Title of the work:** “La Evolución del Ingeniero Químico: La Biotecnología el Nuevo Horizonte”
Name of the conference: VII Congreso Nacional de Ingeniería Química
City of event: SALAMANCA,
Date of event: 10/2004
E.M. del Valle.
- 50** **Title of the work:** “Development of advanced techniques and equipment for the separation of mixtures of proteins using IMAC”
Name of the conference: CHISA 2004
City of event: PRAGA,
Date of event: 08/2004
E.M. del Valle; R. Gutierrez; C. Ruiz and M.A. Galan.
- 51** **Title of the work:** “Cambios de escala en procesos biotecnológicos: SMB como una técnica prometedora en las separaciones industriales utilizando cromatografía IMAC”
Name of the conference: BIOTEC 2004
Type of participation: Participatory - poster
City of event: Oviedo,
Date of event: 07/2004
R. Gutierrez, E.M. del Valle and M.A. Galan.
- 52** **Title of the work:** “Bioprocess scale-up: SMB as a promising technique for industrial separations using IMAC”
Name of the conference: New Trends in Chemical Engineering
City of event: Salamanca,
Date of event: 02/2004
E.M. del Valle and M.A. Galan.
- 53** **Title of the work:** “The Encapsulation Art: applications and scale-up”
Name of the conference: New Trends in Chemical Engineering
City of event: Salamanca,
Date of event: 02/2004
M.A. Galán; E.M. del Valle.
- 54** **Title of the work:** “Use of ceramic monoliths as stationary phase in affinity chromatography”
Name of the conference: 4th European Congress Chemical Engineering
City of event: Granada,
Date of event: 09/2003
M.A. Galán; E.M. del Valle and R.L. Cerro.



- 55** **Title of the work:** Encapsulation & Controlled Release Capability Development for More Flexible Formula Design Approach
Name of the conference: Encapsulation and Controlled Release Symposium
City of event: Newcastle upon Tyne,
Date of event: 04/2003
Eva Martin Del valle.
- 56** **Title of the work:** “Adsorption Kinetic and Mass Transfer in Affinity Chromatography”
Name of the conference: International Symposium of Multiphase Flow and Mass Transport Phenomena
City of event: Antalya, Turkey
Date of event: 11/2000
E.M.M. del Valle; M.A. Galán.
- 57** **Title of the work:** “Affinity Chromatograph: Determination of Adsorption Equilibrium Constants by Pulse-Response Method”
Name of the conference: 2000 Annual Meeting A.I.Ch.E. (Paper nº 292c)
City of event: Los Angeles,
Date of event: 11/2000
E.M.M. del Valle; M.A. Galán.
- 58** **Title of the work:** “Determination of Adsorption Characteristics from Affinity Chromatography”
Name of the conference: 2000 Annual Meeting A.I.Ch.E. (Paper nº 162f)
City of event: Los Angeles,
Date of event: 11/2000
E.M.M. del Valle; M.A. Galán.
- 59** **Title of the work:** “Specific and non-specific adsorption for affinity chromatography” (P.3-51)
Name of the conference: 8º Congreso Mediterráneo de Ingeniería Química
Type of participation: 'Participatory - poster
City of event: Barcelona,
Date of event: 11/1999
E.M.M. del Valle; Galán M.A.
- 60** **Title of the work:** “Specific and non-specific adsorption for Affinity Chromatography”
Name of the conference: IV Iberian Congress on Biotechnology (BIOTEC'98) y I Ibero-Americano Meeting on Biotechnology
Type of participation: 'Participatory - poster
City of event: Oporto, Portugal
Date of event: 07/1998
E.M.M. del Valle and M.A. Galán.

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

- 1** **Title of the work:** Chemical Engineering Approach for Cancer: Treatment and Diagnosis
Name of the event: XXXV Reunión Bienal de la Real Sociedad Española de Química
Reasons for participation: Upon invitation
City of event: A Coruña, Galicia, Spain
Date of event: 07/2015
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad Científica
City organizing entity: Spain
Eva Martin del Valle.
- 2** **Title of the work:** Experiencias de colaboración entre Nanotecnólogos y Clínicos
Name of the event: Cátedra SEOM
Reasons for participation: Upon invitation
City of event: Zaragoza, Aragon, Spain
Date of event: 05/2015
Organising entity: Sociedad Española de Oncología Molecular **Type of entity:** Associations and Groups
City organizing entity: Spain
Eva Martin del Valle.
- 3** **Title of the work:** Nuevas Tendencias en Investigación en Ingeniería Química
Name of the event: XXX II Jornadas de Ingeniería Química
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Cádiz, Spain
Date of event: 09/2014
Organising entity: Universidad de Cádiz **Type of entity:** University
- 4** **Title of the work:** CANCER: del Laboratorio al Paciente
Name of the event: Curso de Verano el Escorial
Type of event: Course
Reasons for participation: Upon invitation
City of event: El Escorial, Community of Madrid, Spain
Date of event: 07/2014
Organising entity: UNIVERSIDAD COMPLUTENSE DE MADRID
- 5** **Title of the work:** Nanociencia, Biomedicina e Ingeniería Química
Name of the event: Conferencia Magistral XXXIV Reunión Bienal RSEQ
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Santander, Spain
Date of event: 09/2013
Organising entity: Real Sociedad Española de Química **Type of entity:** Sociedad Científica



6 Title of the work: El papel del Ingeniero Químico en investigación biomédica: Camino decisivo en la sociedad del siglo XXI

Type of event: Seminar

Reasons for participation: Upon invitation

Date of event: 04/2013

Organising entity: INSTITUTO DE MAGNETISMO APLICADO

7 Title of the work: Bioprocesos en Biomedicina

Name of the event: Congreso Nacional Biotech 2012

Type of event: Seminar

Reasons for participation: Upon invitation

City of event: Bilbao, Spain

Date of event: 09/2012

Organising entity: SOCIEDAD ESPAÑOLA DE BIOTECNOLOGIA

8 Title of the work: Que hace un Ingeniero como tu en un sitio como este?

Name of the event: Conferencia Inaugural Congreso Anual SEPAR

Type of event: Conferencia Inaugural

Reasons for participation: Upon invitation

Date of event: 06/2012

Organising entity: Sociedad Española de Neumología y Cirugía Torácica

Type of entity: Associations and Groups

9 Title of the work: Nuevas tendencias en Ingeniería Química

Name of the event: XII Congreso Mediterráneo de Ingeniería Química

Type of event: Seminar

Reasons for participation: Upon invitation

City of event: Barcelona,

Date of event: 10/2011

Organising entity: SOCIEDAD ESPAÑOLA DE QUIMICA INDUSTRIAL

10 Title of the work: El papel del Ingeniero Químico en investigación biomédica: Camino decisivo en la sociedad del siglo XXI

Name of the event: XXIX Jornadas de Ingeniería Química.

Type of event: Seminar

Reasons for participation: Upon invitation

City of event: Barcelona, Spain

Date of event: 09/2011

Organising entity: Universitat Autònoma de Barcelona

Type of entity: University

11 Title of the work: Contribuciones de la Ingeniería Química al desarrollo de la Biomedicina

Name of the event: Universidad de Verano. Aplicaciones de la Ingeniería Química en sectores estratégicos.

Type of event: Seminar

Reasons for participation: Upon invitation

City of event: Valencia, Spain

Date of event: 07/2011

Organising entity: Universidad Politécnica de Valencia

Type of entity: University



- 12** **Title of the work:** Microorganismos y Energía
Name of the event: Congreso Nacional de Microbiología
Type of event: Seminar
Reasons for participation: Upon invitation
City of event: Salamanca, Spain
Date of event: 07/2011
Organising entity: SOCIEDAD ESPAÑOLA DE MICROBIOLOGIA

Science Outreach activities

- 1** **Title of the work:** Diseño seguro de nanomateriales: Nanomedicina
Name of the event: Formación: Seguridad y Salud en el Trabajo con Nanomateriales
Type of event: Formación Ministerio Empleo
City of event: Madrid, Spain
Date of event: 25/11/2015
Organising entity: Instituto Nacional de Seguridad e **Type of entity:** Ministerio Empleo
Higiene en el Trabajo
Eva Martin del Valle.
- 2** **Title of the work:** Aplicaciones de Ingeniería Química en Medicina
Name of the event: Lección Inaugural Universidad de la Experiencia USAL
Type of event: Conferences given
City of event: Salamanca, Spain
Date of event: 10/2015
Organising entity: Universidad de Salamanca **Type of entity:** University
City organizing entity: Salamanca,
Eva Martin del Valle.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité Asesor VIII Centenario USAL
Primary (UNESCO code): 580200 - Organization and planning of education
Affiliation entity: Universidad de Salamanca **Type of entity:** University
City affiliation entity: Salamanca,
Start-End date: 01/2016 - 12/2018
- 2** **Committee title:** Adjunto Coordinación Industria , AREA: Ingeniería Química
Affiliation entity: Agencia Nacional de Evaluación y **Type of entity:** Organismo
Prospectiva
Start-End date: 2011 - 2014
- 3** **Committee title:** COMISION DE EVALUACION DE BECAS POSTDOCTORALES 2009
Affiliation entity: Agencia Nacional de Evaluación y **Type of entity:** organismo
Prospectiva
Start-End date: 09/05/2010 - 10/05/2010



- 4** **Committee title:** COMISION DE EVALUACIÓN PROGRAMA NACIONAL DE CIENCIAS Y TECNOLOGÍAS QUÍMICAS, CONVOCATORIA 2010 Programa Programa / Subprograma:CTQ/PPQ
Affiliation entity: Ministerio de Ciencia e Innovación
Start-End date: 2010 - 2010
- 5** **Committee title:** COMISION DE EVALUACION DE LOS PROGRAMAS RAMON Y CAJAL Y JAUN DE LA CIERVA 2008
Affiliation entity: Agencia Nacional de Evaluación y **Type of entity:** organismo Prospectiva
Start-End date: 2008 - 2008
- 6** **Committee title:** COMISION DE EVALUACION DE LOS PROGRAMAS RAMON Y CAJAL Y JAUN DE LA CIERVA 2007
Affiliation entity: Agencia Nacional de Evaluación y Prospectiva
Start-End date: 2007 - 2007

Organization of R&D activities

- 1** **Title of the activity:** EUROPACAT 2009
Type of activity: Congreso **Geographical area:** Internacional
Start-End date: 22/02/2004 - 26/02/2004
- 2** **Title of the activity:** New TRENDS in chemical Engineering
Type of activity: Congreso **Geographical area:** Internacional
Start-End date: 22/02/2004 - 26/02/2004

R&D management

Name of the activity: ANEP, Área:Industria
Performed tasks: Adjunto Coordinación
Start date: 11/2010

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Kenan Institute for CO2 Processing.(North Carolina State University)
City of entity: Raleigh,
Start date: 01/06/2005 **Duration:** 84 days
Name of programme: Processing of Polymers Using Supercritical CO2
Goals of the stay: Guest
- 2** **Entity:** Process Breakthrough Department, Pocter&Gamble
City of entity: Newcastle,
Start date: 01/08/2002 **Duration:** 378 days
Name of programme: Microencapsulación
Goals of the stay: Contracted



- 3** **Entity:** Department of Chemical Engineering U.A.H
City of entity: Huntsville,
Start date: 01/08/2001 **Duration:** 378 days
Name of programme: Uso de monolitos cerámicos como fase estacionaria en cromatografía de afinidad
Goals of the stay: Post-doctoral
- 4** **Entity:** Department of Chemical Engineering UMIST
City of entity: Manchester,
Start date: 09/1999 **Duration:** 84 days
Name of programme: Obtención de productos probióticos procedentes de cereales fermentados
Goals of the stay: Doctorate

Editorial councils

- 1** **Name of the editorial council:** Associate Editor in Chemical Engineering Journal
Affiliation entity: Elsevier
Start date: 15/01/2020
- 2** **Name of the editorial council:** Editorial Board Chemical Engineering Journal
Start date: 2015
- 3** **Name of the editorial council:** Editorial Board Process Biochemistry
Start date: 2004

Prizes, mentions and distinctions

- 1** **Description:** Premio "Sociedad Civil"
Awarding entity: Universidad de Salamanca **Type of entity:** University
City awarding entity: Salamanca, Spain
Conferral date: 01/2012
- 2** **Description:** Reconocimiento Especial Jurado Premio Biotecnología EXPOQUIMIA 2011
Awarding entity: Expoquimia
City awarding entity: Barcelona, Spain
Conferral date: 2011
- 3** **Description:** Award Premio Mejor Investigador en Microencapsulación
Awarding entity: Procter and Gamble **Type of entity:** Business
City awarding entity: United Kingdom
Conferral date: 2003
- 4** **Description:** Miembro de AICHE (American Institution of Chemical Engineers).
Awarding entity: Nominated by AICHE
- 5** **Description:** Miembro de Academia NET (Leading Women Scientists)
Awarding entity: Nominated by European Research Council (ERC)



Periods of research activity and knowledge transfer

Certifying entity: CNAI

Date of recognition: 2020