

Part A. Personal Information

DATE	04/07/2020
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Surname(s)	Partal López	
Forename	Pedro	
Sex	Male	
Age	52	
Researcher codes	WoS Researcher ID (*)	K-6868-2014
	SCOPUS Author ID(*)	55396691100
	Open Researcher and Contributor ID (ORCID)	0000-0003-0141-0733

(*) At least one of these is mandatory

A.1. Current position

Professional Category	Full Professor	
UNESCO Code	3303	
Key Words	Rheology, Product Engineering, emulsion, bitumen modification, foods, polymers, bioplastics	
Name of the University/Institution	University of Huelva	
	Department/Centre	Chemical Engineering
	Full Address	ETSI, Campus del Carmen, Avda. de las Fuerzas Armadas, s/n 21071, Huelva
	Email Address	partal@uhu.es
	Phone Number	34959219989
Start date	29/10/2009	

A.2. Education (title, institution, date)

Year	University	Degree	Title
1991	Seville	Bachelor	Chemistry (industrial specialization)
1995	Seville	PhD	PhD in Chemistry

A.3. Indicators of Quality in Scientific Production (See the instructions)

Total number of citations: 2947 (WoS)
Average number of citations in the last 5 years (excluding current year): 264 (WoS)
Total number of publications: 119 (WoS)
Total number of publications in the first quartile (Q1): 79 (JCR)
h-index: 33
Thesis supervised: 12
Number of research/transfer of knowledge six-year periods: 5
Date of the last six-year period:15/04/2020

Part B. Free Summary of CV (Max. of 3.500 characters, including spaces)

<p>Full Professor of Chemical Engineering at the Chemical Engineering Department, University of Huelva. He was born in Sevilla in 1968. He received his bachelor's degree in Industrial Chemistry from University of Sevilla, Spain, in 1991 and completed his Ph.D. in 1995. He was assistant professor at University of Huelva from 1994 to 2000 and Associated Professor (2000-2009) He became Secretary of the Chemical Engineering Department of the University of Huelva (1997-2000); Director for Research Affairs at University of Huelva from 2000 to 2003 and Director of the R&D Centre on Food Technology of the University of Huelva, CIDERTA, in 2004. More recently, he has been Director of Chemical Engineering Department of The University of Huelva (2015-2019).</p> <p>His teaching and research activities are related to PhD studies on "Complex Fluid Engineering", CFD and Heat Transfer at the University of Huelva. He has been external examiner of the National Evaluation and Foresight Agency (Ministry of Science and Innovation,</p>

Spain) in Food Technology (2000-2009), The Academy of Sciences for the Developing World-TWAS (Italia) NSF-National Science Foundation (USA), University of Nottingham, etc..

He is a researcher of the Pro2TecS Centre of the University of Huelva. His research interest focuses on Product Design and Development, with specific interest in the microstructure, rheology and processing of complex materials (food emulsions and gels, biopolymers, bioplastics, bitumen, lubricants, surfactants, etc.). Principal Investigator in at least 50 research projects sponsored by the public funds or by the industry, he is coauthor of more than 110 papers in peer reviewed journals, coauthor of a review on Food and Emulsion Rheology, coauthor of several chapters in specialized books ((WP-Woodhead Publishing y EOLSS), coeditor of a book on rheology entitled "Progress in Rheology: Theory and Applications", and author of numerous communications in International Conferences.

Part C. Relevant accomplishments

C.1. Publications

Jimenez-Rosado, M ; Zarate-Ramirez, LS; Romero, A; Bengoechea, C ; Partal, P. ; Guerrero, A. Bioplastics based on wheat gluten processed by extrusion.JOURNAL OF CLEANER PRODUCTION. Volume: 239 Article Number: UNSP 117994 (2019)

Senise, S; Carrera, V; Cuadri, AA; Navarro, F J; Partal, P. Hybrid Rubberised Bitumen from Reactive and Non-Reactive Ethylene Copolymers.POLYMERS, 11, (2019)

Yuliestyan, A; Gabet, T; Marsac, P; Garcia-Morales M.; Partal, P. Sustainable asphalt mixes manufactured with reclaimed asphalt and modified-lignin-stabilized bitumen emulsions. CONSTRUCTION AND BUILDING MATERIALS, 173, 662-671 (2018)

Felix, M.; Martinez, I.; Romero, A.; Partal P.; Guerrero A. Effect of pH and nanoclay content on the morphology and physicochemical properties of soy protein/montmorillonite nanocomposite obtained by extrusion. COMPOSITES PART B-ENGINEERING, 140, 197-203 (2018)

Yuliestyan, A; Cuadri, AA; Garcia-Morales M.; Partal, P. Selection of ethylene-vinyl-acetate properties for modified bitumen with enhanced end-performance. RHEOLOGICA ACTA, 57, 71-82 (2018)

Senise, S; Carrera, V; Navarro, FJ; Partal, P. Thermomechanical and microstructural evaluation of hybrid rubberised bitumen containing a thermoplastic polymer. CONSTRUCTION AND BUILDING MATERIALS, 157, 873-884 (2017)

Yuliestyan, A.; Garcia-Morales, M.; Moreno, E.; Carrera V.; Partal P. Assessment of modified lignin cationic emulsifier for bitumen emulsions used in road paving MATERIALS & DESIGN, 131, 242-251, (2017)

Gomez-Heincke, D; Martinez, I; Stading, M; Gallegos, C.; Partal, P. Improvement of mechanical and water absorption properties of plant protein based bioplastics. FOOD HYDROCOLLOIDS, 73, 21-29 (2017).

Yuliestyan, A; Cuadri, AA; Garcia-Morales M.; Partal, P. Influence of polymer melting point and Melt Flow Index on the performance of ethylene-vinyl-acetate modified bitumen for reduced-temperature application. MATERIALS & DESIGN, 96, 180-188 (2016)

Diañez, I; Martinez, I; Partal, P. Synergistic effect of combined nanoparticles to elaborate exfoliated egg-white protein-based nanobiocomposites. COMPOSITES PART B-ENGINEERING, 88, 36-43 (2016)

C.2. Research Projects and Grants

Project Reference: 802C1800001

Title: Joint Innovation Unit (UIC-GREENASPHALT)

Participants: Universidad de Huelva y Eiffage Infraestructuras

Principal Investigator: Pedro Partal López

Afiliation: UNIVERSIDAD DE HUELVA

Funding Body: Agencia de Innovación y Desarrollo de Andalucía IDEA (Junta de Andalucía)

Duration: from: 01/07/2020 to: 30/06/2023

Budget UHU (euros): 313.744,06 € **Project state:** approved

Project Reference: RETOS-2017- CTQ2017-89792-R

Title: Study of thermorheologically advanced dispersions designed for heat transport applications

Principal Investigator: F. Javier Navarro Domínguez y Francisco J. Martínez Boza

Afiliation: UNIVERSIDAD DE HUELVA

Funding Body: Ministerio de Economía, Industria y Competitividad.

Duration: from: 01/01/2018 to: 31/12/2020

Budget (euros): 137.940,00 € **Project state:** approved

Project Reference: RETOS-2014 CTQ2014-56980-R

Title: Rheological design of sustainable fluids enhanced with nanoparticles for improved oil and gas drilling and recovery

Principal Investigator: Francisco J. Martínez Boza

Funding Body: Ministerio de Economía y Competitividad.

Duration: from: 01/01/2015 to: 31/12/2017

Budget (euros): 199.650€ **Project state:** approved

Project Reference: FP7-PEOPLE-2013-ITN Project number 607524

Title: SUP&R ITN— Sustainable Pavements & Railways Initial Training Network

Principal Investigator: Pedro Partal López

Afiliation: UNIVERSIDAD DE HUELVA

Funding Body: EU Marie Curie Actions-Initial Training Networks (ITN)

Duration: from: 1/10/2013 - to 30/09/2017

Budget UHU (euros): 229.981,62 € **Project state:** approved

C.3. Contracts

Title: Research and development of new sustainable pavements with improved mechanical and acoustic performance

Principal Investigator:: Pedro Partal López

Afiliation: UNIVERSIDAD DE HUELVA

Funding Body: SACYR CHILE

Duration: from: 20/04/2017 to: 30/06/2018

Budget (Pesos Chilenos): 30.400.000 clp (41.000 €)

Title: Development of advanced Heat Transfer Fluids (HTF) applicable in parabolic trough technology

Principal Investigator: Pedro Partal López

Afiliation: UNIVERSIDAD DE HUELVA

Funding Body: Abengoa Solar New Technologies S.A.

Duration: from: 1/06/2012 to: 31/03/2015

Budget (euros): 566.099,79 €

C.4. Patents and other IPR

Inventors: .Martín-Alfonso, M.J; Martínez Boza F. J.; Partal P.; Navarro F. J.

Title: Equipment for measuring rheological properties in fluids

Application Number: P201830949 **Reference:** PII-2018-0006

Date: 02 October 2018

Applicant: Univerisidad de Huelva **Priority Country:** Spain

C.5. Other: assessment or advisory tasks

Agencia Nacional de Evaluación y Prospectiva (ANEP)

The Academy of Sciences for the Developing World-TWAS (Italy)

NSF-National Science Foundation (USA)

Univerisity of Nottigham

Consejería de Desarrollo Económico, Turismo y Empleo (Comunidad Autónoma de la Región de Murcia)

Instructions

Important Announcement

Following the Call for Proposals, **ONLY CVS SUBMITTED IN THIS FORMAT WILL BE TAKEN INTO CONSIDERATION. CVS presented in other formats WILL BE DISMISSED with no possibilities for modifications.**

GENERAL CONSIDERATIONS

Following the call it is mandatory to use the following format when filling the document: Font Times New Roman / Arial (minimum size 11), single interlineal space, lateral margins of 2.5 cm and top and bottom margins of 1.5 cm.

Max. length of the whole document (Part A, B and C) cannot exceed four pages.

PART A. PERSONAL INFORMATION

Researcher ID is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is hosted by Web of Science.

Access: Web of Science > My Tools > Researcher ID.

Author ID is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is assigned automatically by SCOPUS. You can find an author identifier by running a search for that author. It will appear underneath the author details.

Access: SCOPUS > Author Feedback Wizard> Researcher name.

Open Researcher and Contributor ID (ORCID) provides a persistent digital identifier that distinguishes the researcher from every other person and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

Access: www.orcid.org

A.3. Indicators of Quality in Scientific Production

Please add information on a) total number of citations, average number of citations during the last five years, b) total number of publications in the first quartile (Q1) and first decile (D1), c) h-index, d) thesis supervised, and e) any other indicators that you may consider relevant.

To calculate these values, use default data collected in the Web of Science or Scopus. When this is not possible, other indicators may be used, specifying the reference database.

PART B. FREE SUMMARY OF CV *(Max. of 3.500 characters, including spaces)*

Describe briefly your scientific career, the main scientific-technical achievements, and the mid-to-long term scientific-technical interests and objectives of your research agenda. Indicate any other aspects that you may consider important to understand your career path.

PART C. ACCOMPLISHMENTS **(Order by typology)**

Given the limitations in number of characters, please mention the most relevant achievements sorted by the typology that best suits your scientific profile. Please be clear and avoid ambiguities.

Use reverse chronological order within each section. Limit your merits over the past 5 years, except for those which have an extraordinary importance for your CV.

C.1. Publications

Include a full review of relevant 5 to 10 publications.

In case of an article, please include authors in order of signature, year of publication, title of the article, name of the journal, volume, start page to end page.

If it's a book or chapter of a book, include its publisher and ISBN also.

If there are many authors, please indicate the total number of signatories and the position of the researcher (total number/ position of researcher) as for example 95/18.

C.2. Participation in Research, Development and Innovation Projects

Indicate the most important projects in which you have participated (maximum 5 to 7 projects), including a) its reference, b) title, c) funding body and call for proposals, d) name of the principal investigator and his/her institution affiliation, e) date of start and end of the project, f) amount of subsidy, and g) your type of participation, e.g.: researcher, principal investigator, European project coordinator, etc..

C.3. Participation in Research, Development and Innovation Contracts

Indicate the most important contracts in which you have participated (maximum 5 to 7 contracts), including a) title, b) company or entity, c) name of principal investigator and his/her institution affiliation, d) date of start and end of the contract, and e) amount of funding.

C.4. Patents

Indicate the most important patents and other intellectual property in which you have collaborated. Give a) the order of signing authors, b) reference, c) title, d) priority countries, e) date, f) holder entity and companies that are exploiting the patents.

C.5, C.6, C.7... Other

By sequential numbering (C.5, C.6, C.7 ...) please include any other achievements that you deem necessary, such as for example: direction of works, participation in assessment or advisory tasks, membership of international committees, management of scientific activity, editorial boards, scientific awards, etc.

FINAL CONSIDERATIONS

Please remember that all the submitted achievements must be presented concisely, including dates or periods for each performance.

The short CV aims to facilitate, organize and streamline the evaluation process. The use of the individual researcher identifier facilitates access to the published scientific papers and information on the impact of each of them.

Remember that only CVs submitted either in this format or in CVN abridged version will be taken into consideration.