

CVs tribunal plaza DL006851

Cognoms, Nom: Iborra Urios, Montserrat

Categoria: Catedràtic/a d'universitat

Procedència: Departament d'Enginyeria Química i Química Analítica, Secció d'Enginyeria Química, Universitat de Barcelona

Especialitat de coneixement: Enginyeria Química

Sexennis: 6

Quinquennis: 7(6)

Resum CV: Montserrat Iborra Urios was born in Barcelona, Spain, in 1961. She studied Chemistry (Technical Chemistry Specialty) at the University of Barcelona (1979-1984) and received her Ph.D. in Chemical Sciences at the University of Barcelona in 1989. She is currently Professor of Chemical Engineering at the University of Barcelona where she teaches courses at the undergraduate level (Introduction to Chemical Engineering, Chemical Reactors, Multiphase Reactors and Experimentation in Chemical Engineering ...). Since 2013, she coordinates the Consolidated Teaching Innovation Group (University of Barcelona) of Chemical Reaction Engineering, participating as director or collaborator in 14 teaching improvement and innovation projects. Regarding scientific research, she is a member of the Consolidated Research Group of Catalysis and Applied Kinetics by the Generalitat of Catalunya. Her main research field is catalysis covering aspects of characterization and reactivity in acid- base and redox catalysis. The research is carried out with applied orientation, looking for both the optimal catalyst and reaction conditions in which reactions proceed fast and selectively minimizing this way byproducts production. Following the green chemistry guidelines reactions are performed preferably free of solvents and close to stoichiometric reactants ratio. In the optimal conditions kinetics and thermodynamics of the reactions are determined. Among the reactions studied are the reactions for obtaining asymmetric branched ethers by adding light alcohols to branched olefins (MTBE, ETBE ...), and the dehydration of linear alcohols to symmetric and asymmetric linear ethers (DNPE, EOE ...). Also, the oligomerization of linear and branched C5-C8 olefins to compounds in the range of gasoline or diesel. Currently she works on the production of oxygenated biofuels from biomass, i.e., butyl levulinates, and fine chemicals from biomass-derived saccharides. She has worked extensively with acidic ion exchange resins and has contributed decisively to find relationships between their morphology in the reaction medium and their catalytic activity. Recently, her interest is focused to the reactivity of ion exchange resins supported metals.

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Cognoms, Nom: Fragoso Sierra, Alex

Categoria: Professor Agregat

Procedència: Departament d'Enginyeria Química, Universitat Rovira i Virgili

Especialitat de coneixement: Enginyeria Química

Sexennis: 4

Quinquennis: 3

Resum CV: Dr. Fragoso obtained his BSc (1993) and PhD (1999) degrees in Chemistry from the University of Havana, receiving the Cuban National Award of Chemistry for Young Researchers in 1999. He has been Research Associate (2000-2002) and Assistant Professor (2003-2004) at the University of Havana. After a postdoctoral stay with Prof. Javier de Mendoza and Prof. Pilar Prados at Universidad Autónoma de Madrid (2004-2006), he joined the Department of Chemical Engineering of Universitat Rovira i Virgili in 2006 as a 'Ramón y Cajal' Research Professor and was promoted to a tenured faculty position (Professor Agregat) in 2011. His research interests are in the development of novel methods for surface manipulation at the nanometric scale, the application of supramolecular chemistry and electrochemistry in bioanalysis, and the development of novel nanomaterials for environmental and energy applications. Since 2013, he coordinates the Doctoral Programme in Nanoscience, Materials & Chemical Engineering. He has published over 100 articles and has supervised 10 doctoral theses.

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Cognoms, Nom: Suárez Ojeda, María Eugenia

Categoria: Professora Agregada

Procedència: Departament d'Enginyeria Química, Biològica i Ambiental, Universitat Autònoma de Barcelona

Especialitat de coneixement: Enginyeria Química

Sexennis: 3

Quinquennis: 3

Resum CV: Dr. María Eugenia Suárez-Ojeda is chemical engineer (Universidad Simón Bolívar, 1999). She also holds a MSc. in Chemical Engineering (Universidad Simón Bolívar, 2001) and a PhD in Chemical and Process Engineering (Universitat Rovira i Virgili, 2006). During her PhD studies, she has also worked with Prof. Ian S. Metcalfe at the University of Manchester (Department of Chemical Engineering and Analytical Sciences) performing Wet Air Oxidation Studies. Later, she did a post-doctoral stay with Prof. Liu Yu at Nanyang Technological University (School of Civil and Environmental Engineering) focusing on granular biomass technologies applied for industrial wastewater treatment. She joined the UAB in 2006, focusing her research on the biological treatment of industrial wastewater with recalcitrant compounds, a line that she started in the last stage of her doctorate. In recent years, she has also specialized in the use of molecular biology tools for assessing the microbial ecology and microbial interactions in biological wastewater treatment systems, including heterotrophic and autotrophic granular biomass systems. More recently, she has become interested in the wastewater treatment facilities of the future, where the recovery of materials with high

added value are key pieces of the circular bioeconomy. Among those value-added products, she is particularly interested in the recovery of building blocks such as carboxylic acids for their ultimate use as polyhydroxyalkanoates (biopolyesters) or biofuels precursors. She published more than 50 articles in indexed journals (<https://orcid.org/0000-0003-2520-2701>), having an H-index of 30 with 2272 citations (metrics from Scopus profile: 15763588400). In addition, throughout her scientific career she has participated in 23 research projects, 5 of them European. The most recent ones are the BioFuturo CYTED Thematic network (principal investigator, <https://www.cytel.org/BIOFUTURO>), ORIGEN project (PID2021-126102OB-I00 funded by MCIN/AEI/ 10.13039/501100011033), Erasmus+ SIAS-ChinaEU project (principal investigator, <http://siaschinaeu.ipg.pt/>), the Life SAVING-E project (www.saving-e.eu) and the Triton CYTED thematic network. Regarding the supervision of PhD thesis, she has advised the PhD theses of Mariàngel Martín (Co-advised with Dr. Julián Carrera) and Zulkifly Jemaat (Co-advised with Dr. Julio Pérez), Gabriela Montiel-Jarillo, Pía Oyarzúa Alarcón (Co-advised with Dr. Claudia Etchebehere) and Ana Vázquez Fernández (Co-advised with Dr. Julián Carrera). Currently, she is advising four PhD students: Montserrat Jiménez (Industrial PhD co-advised with Dr. Guillermo Baquerizo), Laura Isern and Carolina ospina (both co-advised with Dr. Julián Carrera) and Serena Falcioni (co-advised with Dr. Giulio Munz and Dr. David Gabriel). Finally, it is worth to mention that she is coordinator of the official master's degree in Biological and Environmental Engineering (UAB) since 2017 and she is also regular member of the quality committees of the "Programa de Sellos Internacionales de Calidad de la ANECA" since 2018.

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Cognoms, Nom: Sales Pardo, Marta

Categoria: Catedràtica Contractada

Procedència: Departament d'Enginyeria Química, Universitat Rovira i Virgili

Especialitat de coneixement: Enginyeria Química

Sexennis: 4

Quinquennis: 2

Resum CV: Marta Sales-Pardo obtained a PhD in Physics from Universitat de Barcelona. She did her postdoctoral work at Northwestern University, where she was the recipient of a Fulbright Scholarship and later she became a Research Assistant Professor at the Northwestern University Clinical and Translational Science Institute with joint appointments in the Department of Chemical and Biological Engineering and the Northwestern Institute on Complex Systems. In 2009 she moved to Universitat Rovira i Virgili where she is now a Professor in the Department of Chemical Engineering and coleads the SEES lab with Roger Guimerà. In 2013 and 2021 she received an ICREA Acadèmia Award for her excellence in research. From 2019 until 2021 she was member of the Advisory Board of the McDonnell Foundation. Since 2021 she is a Fellow of the Network Science Society. Since July 2022 she is the president of the Catalan Complex Systems Society.

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Cognoms, Nom: Peña Llorente, José Ángel

Categoria: Catedràtic/a d'universitat

Procedència: Departamento de Ingeniería Química y Tecnologías del Medio Ambiente, Universidad de Zaragoza

Especialitat de coneixement: Enginyeria Química

Sexennis: 5

Quinquennis: 6

Resum CV: Catedrático de Universidad del área de Ingeniería Química de la Escuela de Ingeniería y Arquitectura (EINA) de la Universidad de Zaragoza (UNIZAR) desde junio de 2017. Es licenciado (1989) con grado (1990) en Ciencias (Químicas) en la especialidad de Química Técnica/Industrial y doctor por la misma universidad (1994) en el programa de doctorado de Ingeniería Química. Su investigación se centró originalmente en la desactivación de catalizadores por formación de coque (predoctoral) y la seguridad de reactores fuera de control -runaway reactions- (postdoctoral). Desde 2002 trabaja en campos vinculados a la producción, purificación y uso de hidrógeno por métodos no convencionales a partir de productos de la pirólisis de gas natural, biogás y bio-oil como materias primas, y a la producción de biocombustibles (biometano, biogasolina, biodiesel) a partir de residuos agrícolas, ganaderos y urbanos. Es coautor de más de cincuenta artículos indexados (JCR), en su mayor parte Q1, y más de ciento cuarenta contribuciones a congresos (mayoritariamente extranjeros). Ha participado en 49 proyectos institucionales y contratos con empresa, de los cuales ha dirigido 24. Asimismo es coautor de una patente USPTO en explotación industrial (2000). Ha realizado estancias predoctoral en la Universidad de Salford (Reino Unido) y postdoc en Fauske & Asoc. (EE.UU.). Ha dirigido 9 tesis doctorales. Acredita 5 sexenios de investigación consecutivos (último 2020). Desde el punto de vista docente, ha impartido asignaturas de las licenciaturas en Ciencias Químicas (Fac. de Ciencias), en Ciencia y Tecnología de los Alimentos (Fac. de Veterinaria) e Ingeniería Química (Escuela de Ingeniería y Arquitectura). Asimismo ha impartido docencia en másteres universitarios del ámbito nacional y europeo, y cursos monográficos en el programa de doctorado de Ingeniería Química y del Medio Ambiente de la UNIZAR (Doctorado de Calidad desde 2005). Actualmente co-director del Máster Interuniversitario en Tecnologías del Hidrógeno (MITH). Su especialización abarca la Simulación y Optimización de Procesos Químicos y la Seguridad y Análisis de Riesgos en la Industria Química. Ha obtenido hasta el momento 6 quinquenios de docencia consecutivos (último 2021).

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Cognoms, Nom: Gabarrel Durany, Xavier

Categoria: Catedràtic/a d'universitat

Procedència: Departament d'Enginyeria Química, Biològica i Ambiental, Universitat Autònoma de Barcelona

Especialitat de coneixement: Enginyeria Química

Sexennis: 4

Quinquennis: 6

Resum CV: El Dr Gabarrell i Durany, catedràtic del Departament d'Enginyeria Química, Biològica i Ambiental de la UAB (www.uab.cat), és Director d'ICTA-UAB (www.icta.cat), i Coordinador Científic de l'SMART-ER de l'ECIU University (<https://www.eciu.org/>) . Dirigeix el grup de recerca en Ecologia industrial anomenat Sostenipra (www.sostenipra.cat) i el projecte Fertilecity (www.fertilecity.com). És expert en economia circular, agricultura urbana, anàlisi del cicle de vida (LCA), anàlisi de fluxos materials (MFA), i gestió de residus. 21 investigadors (14 des del 2011) han finalitzat i defensat amb èxit llur tesi doctoral sota la seva supervisió. Además de varios capítulos de libros, tiene más de 150 publicaciones en revistas internacionales desde el 2008. El Dr. Gabarrell i Durany también fue Secretario Académico de la Escuela de Doctorado de la UAB (2013-2016). Anteriormente, fue coordinador en la UAB del programa conjunto europeo de master Erasmus Mundus en estudios ambientales (JEMES) (2007-2010); coordinador del Grado de Ingeniería Química (2010-2013) y miembro de la Junta Permanente de la CODDIQ (Conferencia de Directores y Decanos de Ingeniería Química), 2012-2014. El Dr. Xavier Gabarrell es uno de los seis garantes de la Unidad de Excelencia 2015 de ICTA "María de Maeztu" (MDM-2015-0552) y 2020 (CEX2019-000940-M) acreditada por el Ministerio de Economía y Competitividad de España.

Links producció científica: <https://orcid.org/0000-0003-1730-4337>
<https://www.scopus.com/authid/detail.uri?authorId=57225052205>