

**14th Mediterranean Congress on Chemical Engineering (MeCCE-14)
DISCUSSION GROUPS - 16-20 November 2020**

| Presentation Code | Abstract reference number | Title | Presentation | DG session name | Date & Time | PRESENTING AUTHOR indicated during the submission (it may differ from the final presenter) |
|--------------------------|----------------------------------|---|---------------------|--|------------------------|---|
| DG.01.01 | 166 | Synthesis of La-hexaaluminates from aluminum-containing saline slag wastes | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Jonathan J. Torrez-Herrera, Public University of Navarra, Pamplona, Spain. |
| DG.01.02 | 179 | Exploring the application of chemical oxidation treatments for the remediation of HCHs-contaminated soil | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Carmen María Dominguez, Universidad Complutense de Madrid, Madrid, Spain. |
| DG.01.03 | 39 | Simulation of Ga Recovery from Gallium-containing Leaching Solution with Extractant-modified Resin | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Cheng-Tung Chou, National Central University, Taoyuan City, Taiwan. |
| DG.01.04 | 61 | Valorization of non-olefinic plastics and vacuum gas oil blends through hydrocracking | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | David Trueba, University of the Basque Country UPV/EHU, Leioa, Spain. |
| DG.01.05 | 95 | Copper recovery from bottom ash by electrowinning: operational conditions study | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Xanel Vecino, Universitat Politècnica de Catalunya (UPC), Barcelona, Spain. |
| DG.01.06 | 133 | The Monetised Footprint Index: the production of HCl by EDBM | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Raquel Ibañez, University of Cantabria, Santander, Spain. |
| DG.01.07 | 140 | Pyrolysis Kinetics Analysis of Different Types of Poultry Litter | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Thapelo Shomana, Botswana International University of Science and Technology, Palapye, Botswana. |
| DG.01.08 | 144 | Containerised Poultry Litter Pyrolysis Plants – It is a Feasibility Solution in the context of Botswana? | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Daniel Botha, Botswana International University of Science and Technology, Gaborone, Botswana. |
| DG.01.09 | 159 | Analysis of the lifetime of products to support a circular economy | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Hanna Fux, Universidad Autonoma de Barcelona, Barcelona, Spain. |
| DG.01.10 | 160 | Examining the reuse of washing machines in cities | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Beatriz García Fernández, UAB, Bellaterra, Spain. |
| DG.01.11 | 174 | Preliminary optimization of the environmental performance of PHA downstream processing | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Mateo Saavedra Del Oso, CRETUS Insitute, Department of Chemical Engineering, Universidade de Santiago de Compostela, Santiago de Compostela, Spain. |
| DG.01.12 | 178 | Use of poly(limonene-8,9-oxide carbonate) as a bio-based prepolymer for epoxy thermoset production | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Vitor Bonamigo Moreira, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.01.13 | 125 | Non-productive consumption of persulfate and surfactants in remediation by S-ISCO of a site polluted by a complex DNAPL mixture | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Raúl García-Cervilla, Complutense University of Madrid (UCM), Madrid, Spain. |

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| DG.01.14 | 77 | Experimental and Simulation Study of Ammonia Pyrolysis and Oxidation | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Maria Abian, Aragón Institute of Engineering Research (I3A), Zaragoza, Spain. |
| DG.01.15 | 132 | An in-depth analysis of power and efficiency trade-off of salinity gradient energy capture by reverse electrodialysis | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Carolina Tristán, University of Cantabria, Santander, Spain. |
| DG.01.16 | 190 | Low temperature solar CO ₂ methanation | Oral | DG.01 - Waste Management, Reduction and Valorization, and Circular Economy | 16/11/2020 16:30 | Francesc Sastre, The Netherlands Organisation for Applied Scientific Research (TNO), Eindhoven, Netherlands. |
| DG.02.01 | 69 | Rheological Study of Water in Water Emulsions | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Alicia Maestro, Universitat de Barcelona, Barcelona, Spain. |
| DG.02.02 | 136 | Chemical reactors manufactured by SLA and FDM 3D printing technologies | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Andreu Bonet, URV, Deltebre, Spain. |
| DG.02.03 | 150 | Process Analytical Technologies for Industrial Nanoparticles Production | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Simona Neri, IRIS Technology Solutions, Castelldefels, Spain. |
| DG.02.04 | 173 | Biocompatibility and osseointegration properties of 3D-printed polymer infiltrated ceramic networks | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Ludmila Hodasova, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.02.05 | 188 | Hydrolytic degradation of micro and nanoparticles of PLA, according to particle size and dispersion composition | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Jordi J. Bou, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.02.06 | 138 | Self-assembled Liquid-Crystalline Membranes for Direct Methanol Fuel Cell application | Poster | DG.02 - Product Engineering | 17/11/2020 12:30 | Aireza Zare, Universitat Rovira i Virgili, Tarragona, Tarragona/ Catalunya, Spain. |
| DG.02.07 | 22 | Preparation and Properties of Multiple Water-in-Water-in-Water (W/W/W) emulsion | Oral | DG.02 - Product Engineering | 17/11/2020 12:30 | Jordi Esquena, Spanish Council for Scientific Research (CSIC), Barcelona, Spain. |
| DG.02.08 | 177 | Surface modification of membranes for methane degassing from water: preliminary study on hydrophobicity and performance | Poster | DG.02 - Product Engineering | 17/11/2020 12:30 | Ramón Jiménez Robles, University of Valencia, Valencia, Spain. |
| DG.02.09 | 185 | New Composites Based on Magnetic Nanoparticles and Polydopamine | Poster | DG.02 - Product Engineering | 17/11/2020 12:30 | M. Pilar Garcia Armada, E.T.S.I.I.-UPM, Madrid, Spain. |
| DG.03.10 | 74 | Enhancing the Chemical Engineering Student Technical and Soft Skills Competencies in Biomanufacturing | Oral | DG.03 - Knowledge, Education & Training | 17/11/2020 16:30 | Rosa Buxeda, University of Puerto Rico, Mayagüez Campus, Mayagüez, Puerto Rico. |
| DG.03.11 | 118 | INNOVATIVE EDUCATION FOR NEW LEADING PROFESSIONALS REQUIRED IN THE WATER SECTOR | Oral | DG.03 - Knowledge, Education & Training | 17/11/2020 16:30 | Ignasi Rodríguez-Roda Layret, Universitat de Girona, Girona, Spain. |
| DG.03.12 | 161 | 'Learn-as-you-go' training to assess the resource efficiency of chemical processes | Oral | DG.03 - Knowledge, Education & Training | 17/11/2020 16:30 | Laura Talens Peiró, UAB, Bellaterra, Spain. |

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|-------------------|---------------------------|---|--------------|---|------------------|--|
| DG.03.13 | 192 | Developing curriculum for education in Sustainable Circular Bioeconomy with Bio-based Products (CYRUS project). | Oral | DG.03 - Knowledge, Education & Training | 17/11/2020 16:30 | M. Sarrà, Universitat Autònoma de Barcelona, Barcelona, Spain. |
| DG.04.01 | 23 | Novel custom-made rheometric setup for <i>in situ</i> real-time fast alginate-Ca ²⁺ gelation | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Ioanna Besiri, Technical University of Munich, Freising, Germany. |
| DG.04.02 | 62 | CuO/ZnO/MnO-based bifunctional catalysts for glycerol hydrogenolysis | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | David Trueba, University of the Basque Country UPV/EHU, Leioa, Spain. |
| DG.04.03 | 76 | Analysis of the deactivation of ZSM-5 catalyst during MTO reaction in a periodic operating fixed bed reactor | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Héctor Vicente, University of the Basque Country, Leioa, Spain. |
| DG.04.04 | 98 | Continuous gas-phase electrochemical reduction of CO ₂ to formate using Bi Catalyst Coated Membrane Electrodes in a filter press reactor | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Guillermo Díaz-Sainz, University of Cantabria, Santander, Spain. |
| DG.04.05 | 113 | Study of alcohol diffusion through commercial anion exchange membranes for CO ₂ electrolyzers | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Aitor Marcos-Madrado, Universidad de Cantabria, Santander, Spain. |
| DG.04.06 | 172 | Scenario screening for Salinity Gradient Power recovery in WWTPs | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Tamara Sampedro Pelayo, Universidad de Cantabria, Santander, Spain. |
| DG.04.07 | 112 | CFD Modeling of reactive turbulent flows in supercritical water oxidation reactors: modification of Eddy Dissipation approach for turbulence-chemistry interactions | Oral | DG.04 - Chemical (electrochemical) Processes & Reactors | 18/11/2020 12:30 | Charly Tesch, CEA Marcoule, Bagnols-sur-Cèze, France. |
| DG.05.01 | 46 | Core-shell catalysts for the direct synthesis of DME. Kinetic modeling. | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Ander Portillo, University of the Basque Country, UPV/EHU, Bilbao, Spain. |
| DG.05.02 | 50 | Lumping the dual cycle mechanism for the kinetic model of the dimethyl ether to olefins process | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Tomás Cordero-Lanzac, University of the Basque Country (UPV/EHU), Bilbao, Spain. |
| DG.05.03 | 64 | Deactivation of NiAl ₂ O ₄ catalyst in the steam reforming of acetic acid | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Leire Landa, University of the Basque Country, UPV/EHU, Leioa, Spain. |
| DG.05.04 | 65 | Approaches for minimizing catalyst deactivation in the methanol-to-hydrocarbons reaction over ZSM-5 catalysts | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | José Valecillos, University of the Basque Country, Bilbao, Spain. |
| DG.05.05 | 81 | Dynamic Methanation of By-product Gases from Integrated Steelworks | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Philipp Wolf-Zöllner, Montanuniversität Leoben, Leoben, Austria. |
| DG.05.06 | 89 | Deepening on coke formation and deactivation during 1-butene oligomerization on a HZSM-5 zeolite catalyst | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Sepideh Izaddoust, Universidad del país Vasco, Leioa, Bizkaia, Spain. |
| DG.05.07 | 102 | Progressing in the study of H ₂ S oxidation at high pressure: Experiments and kinetic modelling | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | María Alzueta, University of Zaragoza, Zaragoza, Spain. |

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| DG.05.08 | 141 | Alternative Catalytic Formulations for Simultaneous NH ₃ -SCR and PCDD/Fs Oxidation | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Juan Alberto Martín Martín, University of Basque Country (UPV/EHU), Faculty of Science and Technologie, Lejona, Spain. |
| DG.05.09 | 167 | Superoxide radical determination in degradation of a NBD-Cl compound during catalytic ozonation using natural catalysts | Oral | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Sergio A. Solis González, CIATEJ, Guadalajara, Mexico. |
| DG.05.10 | 156 | Discrimination Models in Catalytic Cracking of <i>n</i> -Alkanes. Thermal Cracking Correction and Extended Dual Kinetic Model | Poster | DG.05 - Kinetics & Catalysis | 18/11/2020 16:30 | Pablo J. Miguel, Universitat de Valencia, 46100 - VALENCIA, Spain. |
| DG.06.01 | 25 | Optimization of CSP facilities using different thermal fluids | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Mariano Martin Martin, University of Salamanca, Salamanca, Spain. |
| DG.06.02 | 28 | Optimization of the hydrothermal production of fuels from algae | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Mariano Martin Martin, University of Salamanca, Salamanca, Spain. |
| DG.06.03 | 33 | PPBDesigner: A Population Balance Design Software for Particulate Systems | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Menwer Attarakih, The University of Jordan, Amman, Jordan. |
| DG.06.04 | 66 | Methodology for the design of multiproduct facilities: Case of the olive tree | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Manuel Taifouris, University of Salamanca, Salamanca, Spain. |
| DG.06.05 | 146 | Systematic Generation and Evaluation of Waste-to-Resource Alternatives | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Adrian Pacheco-Lopez, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.06.06 | 148 | Optimal Design and planning supply chains of multi renewable resource-based energy/material applied in process industries | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Shabnam Morakabatchiankar, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.06.07 | 151 | Integrated Mathematical Modelling of Advanced Oxidation Processes and Conventional Bio-Processes for Wastewater Treatment | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Kourosh Nasr Esfahani, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.06.08 | 100 | Natech Accidents in Process Plants Located in Coastal Zones | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Adriana Mesa-Gómez, Centre for Technological Risk Studies (CERTEC), Barcelona East School of Engineering (EEBE), Universitat Politècnica de Catalunya, BarcelonaTech (UPC), Barcelona, Spain. |
| DG.06.09 | 101 | The Effects of Jet Fire Flames Impingement | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Vahid Foroughi, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.06.10 | 106 | SPATIAL MEANS AND SURFACE DISTRIBUTIONS OF CONCENTRATIONS OF POLLUTANTS IN AIR. OPTIMIZATION OF THE CALCULATION METHOD | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Mar Durán, Universidad de Murcia, Murcia, Spain. |

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| DG.06.11 | 175 | A MILP Model for Enhancing Wastewater Networks by Introducing Reclaimed Wastewater Usage | Oral | DG.06 - Process Systems Engineering | 19/11/2020 12:30 | Fabian Lechtenberg, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.07.01 | 78 | <i>NRTL Model for UCST, LCST and Closed-loop LLE Behaviour</i> | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | Paloma Carbonell-Hermida, University of Alicante, San Vicente del Raspeig (Alicante), Spain. |
| DG.07.02 | 84 | Thermodynamic Analysis of the Effect of Commercial Lubricants in the Solubility of 4th Generation Refrigerant R513a | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | Carlos Albà, IQS Ramon Llull, Barcelona, Spain. |
| DG.07.03 | 122 | Water-Organic partitioning of Chlorinated Organic Compounds in a real Dense Non-Aqueous Phase produced as Lindane waste. | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | David Lorenzo, Universidad Complutense de Madrid, Madrid, Spain. |
| DG.07.04 | 128 | Robust Thermodynamic Models to Describe the Physicochemical Behaviour of Deep Eutectic Solvents for Gas Separation | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | Fèlix Llovel, IQS School of Engineering, Universitat Ramon Llull, Barcelona, Spain. |
| DG.07.05 | 165 | Thermodynamic characterization of gas mixtures for CCUS applications | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | Cristina Mas-Peiro, IQS School of Engineering, Barcelona, Spain. |
| DG.07.06 | 182 | Solubility differences of refrigerant gases in ionic liquids | Oral | DG.07 - Thermodynamics & Transport Phenomena | 19/11/2020 15:30 | Salvador Asensio Delgado, Universidad de Cantabria, Santander, Spain. |
| DG.08.01 | 32 | Applications of the Aza-Michael Reaction and Flow Chemistry for the Synthesis of Active Pharmaceutical Ingredients | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Beatrice Ravasio, IQS School of Engineering, BARCELONA, Spain. |
| DG.08.02 | 31 | Formulation of Food Dressings with a Low Content in Oil using Water in Water Emulsions | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Jose Maria Gutierrez Gonzalez, University of Barcelona, Barcelona, Spain. |
| DG.08.03 | 75 | Encapsulation of hydrophilic and lipophilic active principles in coloured polysaccharide hydrogels: study of stability | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Carmen Gonzalez, Universitat de Barcelona, Barcelona, Spain. |
| DG.08.04 | 181 | Nitrogen depletion on microalgae culture for lipids production – a continuous process facilitated by acoustic settler | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Claire Delort, University of Mons, MONS (7000), Belgium. |
| DG.08.05 | 110 | Production and evaluation of antimicrobial microcapsules with Essential oils using complex coacervation | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Ariane Lopez Hernandez, INTEXTER-UPC, Terrassa, Spain. |
| DG.08.06 | 108 | Chitosan/alginate based macrocapsules as an oral delivery system of DCA. | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Belén Reig, Rovira and Virgili University, Tarragona, Spain. |
| DG.08.07 | 124 | A modular 3D printed analyzer system for bioanalytical applications in resource-constrained settings | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Huyen-Tram Tran, Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen, Germany. |

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| DG.08.08 | 126 | Capsules of Chitosan a tailor drug delivery system with controlled release for specific organs | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Yaride Perez Pacheco, Universitat Rovira i Virgili, Tarragona, Spain. |
| DG.08.09 | 191 | Scale-up and Quality by Design application to the robust production of an enzyme-loaded liposomal formulation by DELOS-susp method | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Josep Merlo, Nanomol Technologies S.L., 08193 Bellaterra, Spain. |
| DG.08.10 | 186 | Hibiscus Sabdadriffa L. compounds diffusivity through calcium alginate beads | Oral | DG.08 - Pharma & Health & Food | 19/11/2020 16:30 | Selene Rosado, UPC, Barcelona, Spain. |
| DG.09.01 | 187 | Aerobic Biodegradation of Polycarbonates based on vegetable oils | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Jordi J Bou, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.09.02 | 105 | Hydrogen sulphide levels in a WWTP | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Mar Durán, Universidad de Murcia, Murcia, Spain. |
| DG.09.03 | 139 | A comprehensive evaluation on the integration of EBPR in a continuous A-stage system | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Congcong Zhang, Universitat Autònoma de Barcelona, Barcelona, Spain. |
| DG.09.04 | 157 | Solidification/Stabilisation of Drilling Waste Using Portland Cement and GBFS | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Laila Ben Giuma, MELLITAH OIL & GAS , Tripoli, State of Libya . |
| DG.09.05 | 163 | REWATCH: innovative treatment scheme for wastewater treatment and water recovery into the petrochemical sector | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Carlos Ramos, Eurecat, Centre Tecnològic de Catalunya, Manresa, Spain. |
| DG.09.06 | 180 | Treatment of soil contaminated by HCH using alkaline activation of PS intensified by US | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Alicia Checa-Fernandez, Universidad Complutense de Madrid, Madrid, Spain. |
| DG.09.07 | 26 | Oxidation of acetaminophen by ultrasound waves and H ₂ O ₂ combined technology | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Natalia Villota, University of the Basque Country UPV/EHU, Vitoria-Gasteiz, Spain. |
| DG.09.08 | 27 | Comparison of caffeine oxidation by Fenton reagent in combination with UV light and ultrasound waves | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Natalia Villota, University of the Basque Country UPV/EHU, Vitoria-Gasteiz, Spain. |
| DG.09.09 | 56 | Anaerobic Bioreduction of Recalcitrant Compounds by Carbon Based Membranes | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Mohammad Shaiful Alam Amin, Universitat Rovira i Virgili, Tarragona, Spain. |
| DG.09.10 | 60 | TiO ₂ photocatalyst reactivity in highly saline water under simulated sunlight irradiation | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Santiago Espugas, Universitat de Barcelona, Barcelona, Spain. |
| DG.09.11 | 72 | Electrochemical Impedance spectroscopy for investigating the kinetic behavior of capacitive deionization electrodes | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Magdalena Lenz, Karlsruhe Institute of Technology, Eggenstein-Leopoldshafen , Germany. |
| DG.09.12 | 79 | New insights in photo-Fenton process at neutral pH: organic fertilizer as an iron complex for agricultural irrigation reuse. | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Bernardí Bayarri Ferrer, Universitat de Barcelona, Barcelona, Spain. |

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| DG.09.13 | 80 | Photo-Fenton treatment for the removal of contaminants of emerging concern in wastewaters | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Bernardí Bayarri Ferrer, Universitat de Barcelona, Barcelona, Spain. |
| DG.09.14 | 94 | Operation mode study of liquid-liquid membrane contactors for ammonia valorisation as liquid fertilizers from domestic wastewater | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Xanel Vecino, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.09.15 | 152 | Improving photo-Fenton process by hydrogen peroxide dosage strategies. Dissolved oxygen performance indicator | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Yu Xiangwei, Universitat Politècnica de Catalunya, Barcelona, Spain. |
| DG.09.16 | 154 | Conversion of Cellulose from Rice Straw to Levulinic Acid | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Jacky Cheikhwafa, universitat rovera i virgili, tarragona, Spain. |
| DG.09.17 | 155 | Modelling of the removal of metolachlor in a photocatalytic LED reactor | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Laura Rancaño, University of Cantabria, Santander , Spain. |
| DG.09.18 | 168 | Progress for the use of pillared interlayered clays as adsorbents for organic compounds in aqueous solutions | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Yaneth Cardona, Public University of Navarra, Pamplona, Spain. |
| DG.09.19 | 171 | Improved Performance of a Newly Synthesized Magnetite Photocatalyst for S-Metolachlor Degradation | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Carmen Barquín, University of Cantabria, Santander, Spain. |
| DG.09.20 | 184 | Preparation and characterization of polyethersulfone/ polyvinyl alcohol/ zinc oxide composite membrane for dye removal | Oral | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Rodrigo Mallorquín, Universidad Nacional de Asunción, San Lorenzo, Paraguay. |
| DG.09.21 | 107 | Efficacy of TP11 biocides against <i>Legionella</i> in recovered water in cooling towers | Poster | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Borja Garrido, Grupo Técnico Calcat S.L./ UCM, POZUELO DE ALARCON, Spain. |
| DG.09.22 | 120 | Effect of electromagnetic techniques on water hardness. Applicability of Meigen test in the distinction of calcite and aragonite in water. | Poster | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Nuria Boluda Botella, University of Alicante, Alicante, Spain. |
| DG.09.23 | 121 | Reduction of chloride and sulfate in tertiary treatment waters of a wastewater treatment plant (Alicante, Spain) | Poster | DG.09 - Water Management & Treatments | 20/11/2020 11:30 | Nuria Boluda Botella, University of Alicante, Alicante, Spain. |
| DG.10.01 | 19 | Simulation Study of Separating Oxygen from Air by Pressure Swing Adsorption Process with Heat-exchange Adsorbents | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Cheng-Tung Chou, National Central University, Taoyuan City, Taiwan. |
| DG.10.02 | 45 | The effect of two-phase and oscillating flow on UF membranes <i>Timor Pel, Inna Levitsky, Dorith Tavor</i> | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Timor Pel, Sami Shamon College of Engineering, Beer-Sheva, Israel. |
| DG.10.03 | 90 | Fixed-Bed Column sorption of Ammonium from Treated Municipal wastewater using Clinoptilolite | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Mahdi Sheikh, Universitat Politècnica de Catalunya(UPC), Bracelona, Spain. |

**14th Mediterranean Congress on Chemical Engineering (MeCCE-14)
DISCUSSION GROUPS - 16-20 November 2020**

| Presentation Code | Abstract reference number | Title | Presentation | DG session name | Date & Time | PRESENTING AUTHOR indicated during the submission (it may differ from the final presenter) |
|--------------------------|----------------------------------|--|---------------------|------------------------------|------------------------|---|
| DG.10.04 | 131 | Recovery of n-butanol by pervaporation using polymer-ionic liquid hollow fiber membranes | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Daniel González Revuelta, University of Cantabria, Santander, Spain. |
| DG.10.05 | 153 | Process analysis overview of ionic liquids on CO ₂ chemical capture | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Daniel Hospital-Benito, Universidad Autónoma de Madrid, Madrid, Spain. |
| DG.10.06 | 169 | Fabrication and characterisation of membranes for micro reactors for the intensification of condensation reactions | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Sara Claramunt, Karlsruhe Institute of Technology, Karlsruhe, Germany. |
| DG.10.07 | 176 | Evaluation of the combo mode operation of a PP membrane module for methane degassing of anaerobic effluents | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Ramón Jiménez Robles, University of Valencia, Valencia, Spain. |
| DG.10.08 | 51 | Tangential Fluid Flow in a Convective Dryer with Drying Technology Using Nebulisation | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Martina Hladíková, Faculty of Mechanical Engineering CTU in Prague, Prague, Czech Republic. |
| DG.10.09 | 4 | Volatilization and recapture of radiotoxic components in the radioactive waste vitrification process | Oral | DG.10 - Separation Processes | 20/11/2020 12:30 | Thomas Charpin, CEA Marcoule, 30207 Bagnols-sur-Cèze cedex, France. |