

**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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DISCUSSION GROUPS - 16-20 November 2020**

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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.02.10	104	Eco-ideation techniques to identify potential applications for the organic waste from urban agriculture as eco-material	Oral	DG.02 - Product Engineering	17/11/2020 12:30	TBD
DG.03.01	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.03.02	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.

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

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DG.03.03	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.
DG.03.04	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.

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

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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.
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 Froughi, Universitat Politècnica de Catalunya, Barcelona, Spain.

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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.
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.06.12	85	Development of an Economic VPSA CO2 Capture from Flue Gases	Oral	DG.06 - Process Systems Engineering	19/11/2020 12:30	TBD
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.

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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	Arianne 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.
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 Esplugas, Universitat de Barcelona, Barcelona, Spain.

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DISCUSSION GROUPS - 16-20 November 2020**

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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.
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	Mònica Reig, 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 Adsorbers	Oral	DG.10 - Separation Processes	20/11/2020 12:30	Cheng-Tung Chou, National Central University, Taoyuan City, Taiwan.

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

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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.
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.