

RICCCE 21

**21st Romanian International
Conference on Chemistry
and Chemical Engineering**

**Constanta - Mamaia
ROMANIA**

September 4-7

2019

KEYNOTE LECTURES



IAKI Hotel Conference Center, Mamaia, ROMANIA



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Advances in Organic and Inorganic Chemistry & Catalysis

Section 1

Friday, 6 September 2019, 15:00 to 15:20

Raluca Stan (University Politehnica of Bucharest, Romania), Brindusa Balanuca

Vegetable Oils as Valuable Feedstock for Performant Materials

Friday, 6 September 2019, 15:20 to 15:40

Sylvain Routier (University of Orleans, France), Johnny Vercouillie, Franck Suzenet, Frédéric Buron, Sylvie Chalon

Design of novel $\alpha 7$ -nAChR ligands: from an idea to in rodent results for Alzheimer [^{18}F] TEP imaging

Friday, 6 September 2019, 16:20 to 16:40

Beatrice Braun Cula (Humboldt University of Berlin, Germany)

An unusual and rare case of isomerism: Allogon isomers in a series of Fe(II) complexes

Friday, 6 September 2019, 16:40 to 17:00

Delia-Laura Popescu (University of Bucharest, Romania)

New Organotin (IV) Coordination Compounds: Synthesis, Characterization, and Antimicrobial Activity

Friday, 6 September 2019, 17:15 to 17:35

Catalin Maxim (University of Bucharest, Romania), Alexandru Topor, Marius Andruh

On the role played by the chirality of ligands on the aggregation of heterometallic Cu^{II} - Hg^{II} complexes

Friday, 6 September 2019, 17:55 to 18:15

Hussein Mahdi S. Al-Aani, Mihaela M. Trandafir, Ioana Fechete, Lucia N. Leonat, Ionel Popescu, Mihaela Florea, **Ioan-Cezar Marcu** (University of Bucharest, Romania)

Transition-metal-promoted CuCeMgAlO mixed oxide catalysts obtained from multicationic LDH precursors for methane total oxidation

Food, Health & Bioresources

Section 2

Thursday, 5 September 2019, 15:00 to 15:20

Stefan Theodor Tomas (University Politehnica of Bucharest, Romania), Aurelian Cristian Boscornea, Ioana Asofiei, Florina Teodorescu

Anthocyanes from Various Violet Berries

Thursday, 5 September 2019, 15:20 to 15:40

Mircea Vinatoru (University Politehnica of Bucharest, Romania), T.J. Mason

Ultrasonically Assisted Extraction in Food Processing and the Challenges of Integrating Ultrasound into the Food Industry

Thursday, 5 September 2019, 17:15 to 17:35

Ioan Calinescu (University Politehnica of Bucharest, Romania), Mircea Vinatoru

Microwaves and ultrasound - a stunning combination - applications in the food industry

Thursday, 5 September 2019, 17:35 to 17:55

Olívia Pereira (Centro de Investigação de Montanha (CIMO), Instituto Politécnico de Bragança, Portugal), Rocio Macias, Maria Domingues, Jose Marin, Susana Cardoso

Antioxidant and hepatoprotection of Mentha aquatica L. and Lavandula dentata L. extracts

Physical Chemistry; Electrochemistry & Corrosion

Section 3

Thursday, 5 September 2019, 15:00 to 15:20

Liana Anicai (Center of Surface Science and Nanotechnology, University Politehnica of Bucharest, Romania), Stefania Costovici, Sabrina Rosoiu, Calin Moise, Teodor Visan

Electrodeposition of Sn based ternary alloys using deep eutectic solvents

Friday, 6 September 2019, 15:00 to 15:20

Sergiu Sima, Radu Ciprian Racovita, Cristian Dinca, Viorel Feroiu, **Catinca Secuianu** (University Politehnica of Bucharest, Romania)

Alternative Green Solvents for CO₂ Capture: Experiments and Modeling

New Concepts in Chemical and Biochemical Engineering

Section 4

Thursday, 5 September 2019, 15:00 to 15:20

Valentin Pleșu (University Politehnica of Bucharest, Romania)

Perspectives in collaboration between OMV PETROM and University POLITEHNICA of Bucharest

Monitoring & Environmental Protection

Section 5

Friday, 6 September 2019, 15:00 to 15:20

Stefan Ioan Voicu, Andreea Madalina Pandele (University Polytechnica of Bucharest, Romania)

Functionalization of Cellulose Acetate Membranes with AminopropylTriethoxySilane. Synthesis, Characterization and Applications

Friday, 6 September 2019, 15:20 to 15:40

Florin Miculescu (University Politehnica of Bucharest, Romania)

Sustainable Technologies for Bone Reconstruction Ceramic Biomaterials Derived from

New Materials and Nanomaterials

Section 6

Thursday 5 September 2019, 15:00 to 15:20

Gheorghe Fundueanu ("Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania)

Self-regulated drug delivery systems

Thursday 5 September 2019, 17:15 to 17:35

Rodica-Mariana Ion (Valahia University, Targoviste, Romania)

Nanomaterials for the rescue of stone monuments