



ATHENS SUMMER SCHOOL ON ORGANIC SYNTHESIS (ASSOS 2021) PROGRAMME

WEDNESDAY 25 AUGUST 2021

Welcome Remarks

09:45-10:00	<p>Prof. Christoforos Kokotos</p> <p>Prof. Ioannis Emmanouil (Dean of the School of Natural Sciences, NKUA)</p> <p>Prof. George Kokotos (Honorary Chair)</p>
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Session 1: Mechanochemistry

Chair: Christoforos Kokotos (*National and Kapodistrian University of Athens*)

10:00-11:00	<p>Prof. Carsten Bolm (RWTH Aachen University, Germany) Mechanochemistry: An Enabling Technique for Synthesis and Catalysis</p>
11:00-12:00	<p>Prof. Evelina Colacino (Universite de Montpellier, France) Green Pharmaceuticals by Mechanochemistry</p>

Break

Session 2: Novel Reactivities and Green Technologies

Chair: Dimitris Georgiadis (*National and Kapodistrian University of Athens*)

12:30-13:30	<p>Prof. Berit Olofsson (Stockholm University, Sweden) Novel Reactivity in Hypervalent Iodine-mediated Arylations and Vinylations</p>
13:30-14:15	<p>Prof. Anastasia Detsi (National and Technical University of Athens, Greece) Ionic Liquids and Deep Eutectic Solvents as Tools for Green Organic Synthesis</p>
14:15-14:45	<p>Prof. Victoria Magrioti (University of Athens, Greece) Microwave-Assisted Organic Synthesis (MAOS): Benefits and</p>



	Applications
Break	
Session 3: Organic Photochemistry	
Chair: Alexandros Zografos (<i>Aristotle University of Thessaloniki</i>)	
15:15-16:15	Prof. David Nicewicz (University of North Carolina, USA) New Avenues in Synthesis via Organic Photoredox Catalysis
16:15-17:15	Prof. Jose Aleman (Universidad Autonoma de Madrid, Spain) Novel Photo- and Organo-Catalytic Reactions
17:15-18:00	Prof. Georgios Vassilikogiannakis (University of Crete, Greece) Merging Singlet Oxygen Chemistry with Organocatalysis and Photocatalysis for the Sustainable Synthesis of High Value Scaffolds

THURSDAY 26 AUGUST 2021	
Session 4: Continuous Flow Synthesis	
Chair: Victoria Magrioti (<i>National and Kapodistrian University of Athens</i>)	
10:00-11:00	Prof. Timothy Noel (University of Amsterdam, Netherlands) Innovation in Synthetic Methodology through Use of Flow Technology
11:00-12:00	Prof. Anastasios Polyzos (University of Melbourne, Australia) Harnessing Potent Reductants via Multiphoton Tandem Photoredox Catalysis
Break	



Session 5: Advances in Synthetic Methodology for Drug Discovery

Chair: Anastasia Detsi (*National Technical University of Athens*)

12:30-13:00	Prof. Alexadros Zografos (Aristotle University of Thessaloniki, Greece) Divergent Synthesis as an Emergent Tool for Drug Discovery
13:00-13:30	Prof. George Kokotos (University of Athens, Greece) Sun and Air in the Service of Organic Synthesis and Drug Discovery
13:30-14:00	Prof. Constantinos Athanassopoulos (University of Patras, Greece) Hybrids and Conjugates: Synthetic Concepts for More Effective Therapeutics
14:00-14:30	Prof. Dimitris Georgiadis (University of Athens, Greece) Transforming Peptides: Lessons Learned from a Privileged Class of P-Containing Pseudopeptides

Break

Session 6: Organic Photochemistry

Chair: Constantinos Athanassopoulos (*University of Patras*)

15:00-16:00	Prof. Stefano Protti (University of Pavia, Italy) Become Visible: Light-Driven Arylation Protocols
16:00-17:00	Prof. Davide Ravelli (University of Pavia, Italy) Photocatalytic Hydrogen Atom Transfer for the Functionalization of Aliphatic C-H Bonds
17:00-17:45	Prof. Christoforos Kokotos (University of Athens, Greece) Organocatalysis and Photochemistry: Advancing the Art of Organic Synthesis