	Thursday, May 18	
	Room Megas Alexandros Keynote Chair: Konstantinos Triantafyllidis	
09:00-09:30	Keynote Speaker Prof. Mercouri G. Kanatzidis Designing exotic sorbents for capturing uranium, technetium, and heavy metals	
	Room: Megas Alexandros Session A3 - Chair: Angiolina Comotti	Room: Achilles Session B3 - Chair: Georgia Charalampopoulou
09:30-09:50	Yolanda Pérez Lead-free halide perovskite@metal—organic framework composites as visible light-active photocatalysts	Invited Speaker Prof. Martin Hartmann Ultrasonic monitoring for In situ diagnostics of zeolite and MOF crystallization
09:50-10:10	Nusik Gedikoğlu Building new metal-organic frameworks from Iron- Thiolate Layers	Dieter Plessers Spectroscopic investigation of [Cu-O-Cu] ²⁺ and [CuOH] ⁺ sites in copper exchanged zeolites for selective oxidation of methane to methanol
10:10-10:30	Emmanouil Manos MOFs for removal of oxoanions from aqueous media	Joao Rocha Exploring the pore space: Applications of transition metal and lanthanide silicates and organic-inorganic hybrid materials
10:30-10:50	Sachin Maruti Chavan MOFSORBMET: MOFs for critical metals recovery and separation	Niels De Witte Zero-coverage adsorption of n-alkanes and 1- alkenes in all-silica small-pore zeolites
10:50-11:15	Coffee break	
11:15-11:35	Nuno Gonçalves 3D-printed bauxite-based inorganic polymers for the removal of multiple heavy metals and neutralization of acid mine drainage	Matjaž Mazaj Zeolites embedded in carbon foam monoliths as a high-performance CO ₂ capture adsorbent

11:35-11:55	Vassilios Binas Highly Porous Thin-Layer g-C3N4 Nanosheets and composites with Enhanced photocatalytic properties	Alexios Plessas Synthesis and characterisation of MOF-COOHs for water remediation: Pre- and post-synthetic modification approach of amide ligands	
11:55-12:15	Timur Ashirov Porous functional organic Polymers for advanced separation applications	Husam Almassad Environmentally adaptive MOF-based atmospheric water harvesting	
12:15-12:35	Idan Hod Molecular manipulation of heterogeneous electrocatalytic CO ₂ reduction using metal-organic frameworks	Samir El Hankari Metal–organic frameworks (MOFs)-based adsorption technology for phosphate recovery from water	
12:35-15:00	Lunch break*		
Parallel event	Bruker - Gold Sponsor On-site demostration of the D8 Venture SC-XRD instrument at the University of Crete in Heraklion*		
	Keynote Chair: Kyle Cordova		
15:00-15:30	Keynote Speaker: Prof. Mircea Dinca Strange electronic and photophysical effects in MOFs		
	Room: Megas Alexandros Session A4 - Chair: Kyle Cordova	Room: Achilles Session B4 - Chair: Volodymyr Bon	
15:30-15:50	Teresa J Bandosz Beyond adsorption: A big role of small pores in electrochemical processes	Rachele Castaldo Tuning the adsorption capacities of porous	
	electrochemical processes	materials with hyper-crosslinked resins	
15:50-16:10	Catalina Biglione Novel bismuth phosphonate IMDEA-Energy framework for proton conductivity	materials with hyper-crosslinked resins	
15:50-16:10 16:10-16:30	Catalina Biglione Novel bismuth phosphonate IMDEA-Energy	Marina Ilkaeva Solid-state NMR-assisted adsorption techniques for	
	Catalina Biglione Novel bismuth phosphonate IMDEA-Energy framework for proton conductivity José María Pedrosa Enhancement of the intrinsic fluorescence of ZIF-8 via Post-synthetic cation exchange with Cd ²⁺ and its use as optical sensor	Marina Ilkaeva Solid-state NMR-assisted adsorption techniques for CO ₂ capture assessment in porous sorbents Thomas Glover	

16:55-17:15	Helene Brault The versatility of MOFs as a powerful tool to design luminescent thermometers	Conor Cleeton A process-level perspective on the impact of molecular force fields on the computational screening of MOFs for carbon capture	
17:15-17:35	Francisco García Moscoso A luminescent terbium MOF embedded in PMMA transparent films for sensitive and selective detection of nitroaromatic explosives vapours	Emily Bloch Designing the functions grafted onto nanoporous silica for specific gas recovery: in silico molecular screening compared and contrasted with experimentation	
17:35-17:55	Pascal Van Der Voort Covalent organic frameworks as metal-free photocatalysts	Angelos Polyzoidis Thermal switch based on an adsorption material in a heat pipe	
	Keynote Chair: Karim Adil		
17:55-18:25	Keynote Speaker Prof. Christian Serre Green synthesis of robust but defective MOFs		
18:25-20:00	Poster Session 2		
20:00	Gala Dinner		

Reference:

* Free of charge booking is required. Please send email to maria@mitos.com.gr or visit the registration desk at the conference site, between May 16th-17th.

Lunch*

(*Available only for those having selected the all-inclusive package (accommodation and meals) of Aquila Rithymna Beach)