



## Conference Schedule

**Day 1: Tuesday, 12<sup>th</sup> September 2023 @ Mövenpick Hotel Amman\***

Time	Session	Presenter
9 <sup>00</sup> -10 <sup>00</sup>	Registration	Organizers
10 <sup>00</sup> -11 <sup>00</sup>	Conference Opening	Prof. Dr. Khaled Abu-Elteen/Conference Chair
		Prof. Dr. Abeer Al Bawab/JCC President
		Prof. Dr. Moza AlShamsi/Secretary General of the Union of Arab Chemists
		Prof. Dr. Fawwaz Al-Abed Al-Haq/HU President
11 <sup>00</sup> -11 <sup>30</sup>	<i>Coffee Break &amp; Exhibition</i>	
11 <sup>30</sup> -12 <sup>20</sup>	<b>Plenary lecture</b> Chemical Structure-Property Relationships in Surfactant Monolayers	<i>Prof. Dr. Matthew Paige</i> University of Saskatchewan, Canada
12 <sup>20</sup> -13 <sup>10</sup>	<b>Plenary lecture</b> Catalysis for the Circular Economy: Upcycling of Polyethylene to Surfactant-Range Alkylaromatics	<i>Prof. Dr. Mahdi Abu-Omar</i> University of California Santa Barbara, US
13 <sup>10</sup> -13 <sup>30</sup>	<b>Promotional Presentation</b>	Hijaz Scientific Supplies Establishment
13 <sup>30</sup> -14 <sup>00</sup>	<i>Coffee Break &amp; Exhibition</i>	
14 <sup>00</sup> -14 <sup>50</sup>	<b>Plenary lecture</b> Taking Advantage of the Analytical Footprint of Comprehensive 2D Gas Chromatography	<i>Prof. Dr. Philip Marriott</i> Monash University, Australia
14 <sup>50</sup> -15 <sup>10</sup>	<b>OO</b> The Global Greenchem Innovation and Network Inclusion Programme	<i>Eng. Omar AlSaleh</i> Royal Scientific Society, Amman, Jordan
15 <sup>10</sup> -15 <sup>30</sup>	<b>Promotional Presentation</b>	AnalyticaOne for Integrated Scientific Solutions
15 <sup>30</sup> -16 <sup>30</sup>	<i>Lunch</i>	
16 <sup>30</sup> -17 <sup>30</sup>	<b>Panel Discussion</b> The Chemical and Vocational Interaction and Intersection between the Outcomes of Chemistry Education in Universities and Industry, Innovation and Entrepreneurship <b>Moderator:</b> Prof. Dr. Abeer Al Bawab, JCC President <b>Panellists:</b>	
	1. <i>Prof. Dr. Sultan Abu-Orabi</i> Former President of: Yarmouk University; Association of Arab Universities and JCC	
	2. <i>Dr. Nael AL-Husami</i> CEO, Amman Chamber of Industry	
	3. <i>Eng. Mohamad Shaer</i> Honorary President of Syrian Chemistry Society	
	4. <i>Dr. Mohammad Bitar</i> General Manager, Alfa Chemicals Manufacturing Establishment	
	5. <i>Dr. Ashraf Bany Mohammed</i> Board Member of Jordanian Innovative Startups and SMEs Fund (ISSF); Associate Professor of Technology Management Economics and Former Director of Innovation and Entrepreneurship Center at the University of Jordan	
	6. <i>Mr. Mohammad Abu Shanab</i> Board of Directors Member, Al Shaker Company for Scientific and Medical Supplies	
	7. <i>Mr. Yousef Al-Qutt</i> Technical Consultant at Giant for Chemical Industries Company	

**\*Moderators of the first day are Dr. Lubna Alrawashdeh (HU) & Dr. Abdussalam Qaroush (UJ)**



## Conference Schedule

**Day 2: Wednesday, 13th September 2023 @ King Al-Hussein the Builder Complex, The Hashemite University**

Time	Session	Presenter
8 <sup>30</sup> -9 <sup>00</sup>	Registration	Organizers
9 <sup>00</sup> -9 <sup>50</sup>	<b>Plenary lecture</b> CO <sub>2</sub> -Switchable Materials for Separations <b>Place:</b> Ground Floor Theatre <b>Moderator:</b> Prof. Adnan Abu-Surrah (HU)	<i>Prof. Dr. Philip Jessop</i> Queen's University, Canada
	<b>Session 1 @ Ground Floor Theatre</b>	<b>Session 2 @ 1st Floor Theatre</b>
	<b>Moderators</b> Prof. Kayed Abu Safieh & Dr. Bassem Al-Maythalyon (RSS)	<b>Moderators</b> Dr. Hazem Amarne (UJ) & Dr. Hassan Abul-Futouh (HU)
10 <sup>00</sup> -10 <sup>20</sup>	<b>O1</b> Hussam Almassad <i>Royal Scientific Society, Jordan</i> Environmentally Adaptive MOF-based Atmospheric Water Harvesting	<b>O5</b> Ayman Hammoudeh <i>Yarmouk University, Jordan</i> Synthesis, Characterization, and Luminescence Properties of Rare Earth Doped BaGd-Silicate Phosphors for Solid-State Lighting Applications
10 <sup>20</sup> -10 <sup>40</sup>	<b>O2</b> Youssef Naimi <i>Hassan II University of Casablanca, Morocco</i> Green Hydrogen Production and Consumption: State of the Art and Perspectives	<b>O6</b> Mothana Al-Omari <i>Jordan University of Science and Technology, Jordan</i> Palladium-Catalyzed Highly Regioselective Mono and Double Sonogashira Cross-Coupling Reactions of 5-Substituted-1,2,3-Triodobenzene Under Ambient Conditions
10 <sup>40</sup> -11 <sup>00</sup>	<b>O3</b> Abdussalam Qaroush <i>The University of Jordan, Jordan</i> New Pathways for CO <sub>2</sub> Sequestration/Utilization from a Green Perspective	<b>O7</b> Amin Thawabteh <i>Birzeit University, Palestine</i> Masking the Bitter Taste of Guaifenesin-Design, Synthesis, Characterization and in vitro Kinetics-Prodrug Approach
11 <sup>00</sup> -11 <sup>20</sup>	<b>O4</b> Hana Alhanash <i>Advanced Libyan Centre for Chemical Analysis, Libya</i> Green Synthesis and Characterisation of Zinc Oxide Nanoparticles using Olea Europaea and Citrus Aurantifolia Aqueous Leaf Extracts	<b>O8</b> Feda'a Al-Qaisi <i>The Hashemite University, Jordan</i> CO <sub>2</sub> Utilization using Biorenewable Zinc Catalysts
11 <sup>20</sup> -12 <sup>00</sup>	<i>Coffee Break &amp; Poster Session</i>	
	<b>Session 3 @ Ground Floor Theatre</b>	<b>Session 4 @ 1st Floor Theatre</b>
	<b>Moderators</b> Prof. Amjad El-Sheikh (HU) & Dr. Mohammad Amer (UJ)	<b>Moderators</b> Prof. Fadwa Odeh (UJ) & Dr. Khaleel Assaf (BAU)
12 <sup>00</sup> -12 <sup>20</sup>	<b>O9</b> Khaldun Al Azzam <i>Al-Ahliyya Amman University, Jordan</i> A Novel and Simple Dynamic Coating Capillary Electrophoresis Method for the Chiral Separation and Quantification of Mitiglinide Enantiomers using Hydroxyethyl Cellulose as a Dynamic Coating Agent	<b>O15</b> Lubna Tahtamouni <i>The Hashemite University, Jordan</i> Synthesis, Molecular Docking Studies, and in Vitro Anti-Tumor Effects of Novel Compounds Targeting EGFR and VEGFR
12 <sup>20</sup> -12 <sup>40</sup>	<b>O10</b> Jafar Abdelghani <i>The Hashemite University, Jordan</i> Magnetic Solid Phase Extraction of Phthalate Products from Bottled, Injectable and Tap Waters using Graphene Oxide: Effect of Oxidation Method of Graphene	<b>O16</b> Lina Dahabiyeh <i>The University of Jordan, Jordan</i> Mass Spectrometry-Based Metabolomics Approach for Biomarker and Therapeutic Target Discovery: Examples from Parkinson's Disease and Colorectal Cancer
12 <sup>40</sup> -13 <sup>00</sup>	<b>O11</b> Hiba Al Amayreh <i>Al-Balqa Applied University, Jordan</i> The Recovery of Vanadium Pentoxide from Spent Catalyst Utilized in Sulfuric acid Production Plant in Jordan	<b>O17</b> Frezah Muhana <i>Al-Ahliyya Amman University, Jordan</i> Mebendazole Loaded Nanoparticles for Lung Cancer Therapy



13 <sup>00</sup> -13 <sup>20</sup>	<b>O12</b> Mohammed Meetani <i>UAE University, UAE</i> Analysis of Synthetic Cathinones in Plasma and Urine using NCI GC-MS/MS	<b>O18</b> Rawan Khalaf <i>An-Najah National University, Palestine</i> Design of Patchy DNA Particles by Colloidal Stamping
13 <sup>20</sup> -13 <sup>40</sup>	<b>O13</b> Hanan Alchaghouri <i>Damascus University, Syria</i> Can Solution Phase Synthesized Ultrafine Ferromagnetic Ni/NiO Nanocrystals with Strong Exchange Bias?	<b>O19</b> Amneh Shtaiwi <i>Middle East University, Jordan</i> Kinetic, Thermodynamic and Modeling Studies of Spiroquinazoline Derivatives as Potential Acetylcholinesterase (AChE) Inhibitors for Alzheimer's Disease
13 <sup>40</sup> -14 <sup>00</sup>	<b>O14</b> Lamia Mamoly <i>Damascus University, Syria</i> Reduction of Oxalic Acid to Glyoxylic Acid Electrochemically Using a Selective Non-Crosslinked Sulfonated Polystyrene Membrane	<b>O20</b> Mansour Nawasreh <i>Al-Balqa Applied University, Jordan</i> Efficient and Green Desymmetrization Methods toward anti-Cancer Cephalostatin Analogues
14 <sup>00</sup> -15 <sup>00</sup>	<i>Lunch @ Employee Club Hall, Deanship of Student Affairs Building</i>	
<b>Session 5 @ Ground Floor Theatre</b>		<b>Session 6 @ 1st Floor Theatre</b>
	<b>Moderators</b> Prof. Bader Salameh (HU) & Prof. Ayman Hammoudeh (YU)	<b>Moderators</b> Prof. Raed Ghanem (AABU) & Dr. Feda'a Al-Qaisi (HU)
15 <sup>00</sup> -15 <sup>20</sup>	<b>O21</b> Mousa Al-Smadi <i>Jordan University of Science and Technology, Jordan</i> Multiple 1,2,3-Thiadiazole Aromatic Derivatives: Synthesis, Characterization and Gas-Phase Pyrolysis	<b>O25</b> Khaleel Assaf <i>Al-Balqa Applied University, Jordan</i> The Supramolecular Chemistry of Boron Clusters
15 <sup>20</sup> -15 <sup>40</sup>	<b>O22</b> Fuad Al-Rimawi <i>Al-Quds University, Palestine</i> Low Density Polyethylene/Zinc Peroxide Composite and Nanocomposite Prepared by Cast Solution: Thermal, Mechanical and Morphological Characterization	<b>O26</b> Faisal Mustafa <i>Eastern Mediterranean University, Turkey</i> Mg-doped Mixed Metal Ferrite for Remediation of Trichlorophenol and Bacteria Strains: Experimental and Computational Mechanism Approach
15 <sup>40</sup> -16 <sup>00</sup>	<b>O23</b> Bassem Al-Maythalony <i>Royal Scientific Society, Jordan</i> Three-Ring Motifs in Zeolite Imidazole Frameworks for Enhanced Properties and Applications	<b>O27</b> Osama Abuhasan <i>The Hashemite University, Jordan</i> Molecular Recognition of Amino Acids and Peptides by Cucurbit[8]uril. A Computational Study
16 <sup>00</sup> -16 <sup>20</sup>	<b>O24</b> Ayat Bozeya <i>Jordan University of Science and Technology, Jordan</i> UHMWPE/MWCNTs Nanocomposite Prepared by Wet Ball Milling and Hot Press	
16 <sup>20</sup> -16 <sup>40</sup>	<i>Poster Session</i>	
<b>Closing Session @ Ground Floor Theatre</b>		
16 <sup>40</sup> -17 <sup>00</sup>	<ol style="list-style-type: none"> <li>1. Announcing Poster Award Recipients</li> <li>2. Presenting Shields to Keynote Speakers</li> <li>3. Group Photo</li> </ol>	