



International conference of chemistry & Biosciences (ICCB2017)

The 15<sup>th</sup> Jordanian Chemical Conference

(5-6) April 2017



جامعة آل البيت  
Al al-Bayt University

## Conference Schedule

Wednesday 5/4/2017

Wednesday 5/4/2017	
<b>Time</b>	
<b>8:00-9:30</b>	<b>Registration / Al Hussein bin Ali Hall</b>
<b>9:30-10:30</b>	<b>Opening Ceremony / Al Hussein bin Ali Hall</b>
<b>10:30-11:00</b>	<b>Coffee Break / Al Hussein bin Ali Hall</b>
<b>Session 1</b>	<p><b>Chemistry / Al Hussein bin Ali Hall</b>  <b>Chair: Prof. Dr. Hasan Tashtoush (Yarmouk Univ.)</b>  <b>Co-Chair: Dr. Haitham Al-Sadouni (Al al-Bayt Univ.)</b></p> <p><b>Biology / Al Imam Muslim Hall</b>  <b>Chair: Dr. Fatima Azzhara Delmani (Jerash Univ.)</b>  <b>Co-Chair: Dr. Adnan Jaran (Al al-Bayt Univ.)</b></p>
<b>11:00-11:30</b>	<p><b>Zbigniew Rafiński / Poland</b>  <i>Nucleophilic Organocatalysis With Terpene-Derived Nhcs - Synthesis And Applications In Enantioselective Reactions</i></p> <p><b>Wan Maznah Wan Omar / Malaysia</b>  <i>Biomonitoring for the assessment of water quality: assessing aquatic ecosystem health using biological materials, with special reference to Malaysian inland waters</i></p>
<b>11:30-11:50</b>	<p><b>Abeer Al Bawab / Jordan</b>  <i>Global Chemists' Code of Ethics: Making Positive Change Happen</i></p> <p><b>A.S. Galushko / Russia</b>  <i>Ecological niches of anaerobic syntrophic hydrocarbon-degrading microorganisms</i></p>
<b>11:50-12: 10</b>	<p><b>Azhar Ariffin/ Malaysia</b>  <i>Tuning the Singlet-Triplet Energy Splitting by Fluorination at 3,6 Positions of the 1,4-Biscarb-azoylbenzene</i></p> <p><b>Rida A. Shibli / Jordan</b>  <i>Manipulating Some Culturing Conditions Enhances Production of Solanine in Microshoots, Callus and Cell Suspension Cultures of Solanum nigrum L.: A Wild Medicinal Plant</i></p>
<b>12:10-12:30</b>	<p><b>Mohammad El-khateeb /Jordan</b>  <i>[FeFe]-Hydrogenase Models: Synthesis, Characterization And Catalytic Activity Of Diselenolateo Diiron Complexes</i></p> <p><b>Raeid M. Abed / Oman</b>  <i>Extremophilic microorganisms in the Arabian deserts: novel metabolic processes and a great potential for biotechnology</i></p>
<b>12:30-12:50</b>	<p><b>Noha A. Osman / Egypt</b>  <i>Cannabinoids: A New Platform For A Multitude Of Therapeutic Opportunities.</i></p> <p><b>Rasha Jame / Jordan</b>  <i>Anaerobic Bacteria for Hydrogen Gas Production by utilization of Simple And Complex Substrates</i></p>



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<b>Session 2</b>	<b>Chemistry / Al Hussein bin Ali Hall</b> <b>Chair: Prof. Dr. Raed Alqwasmeh (Jordan Univ.)</b> <b>Co-Chair: Prof. Dr. Hutaf Baker (Al al-Bayt Univ.)</b>	<b>Biology / Al Imam Muslim Hall</b> <b>Chair: Dr. Fawzi Irshaid (Al al-Bayt Univ.)</b> <b>Co-Chair: Dr. Sohail Al sohila (Al al-Bayt Univ.)</b>
<b>12:50-13:10</b>	<b>Ghulam Mustafa / Pakistan</b> <i>Chemical Sensors on the Way to Real-World Applications with Targeting Selectivity</i>	<b>Ruba Jamal Saleh / Jordan</b> <i>The Relationship Between The Staging Of Breast Cancer And The Concentration Of Interleukin 10 (IL-10) Among Jordanian Breast Cancer Females</i>
<b>13:10-13:30</b>	<b>Wasfi A. Al-Masoudi / Iraq</b> <i>Synthesis, X-ray Structure and in vitro HIV and Kinesin Eg5 Inhibition Activities of New Arene ruthenium Complexes of Pyrimidine Analogues</i>	<b>Taghreed Almuhamari / Jordan</b> <i>Detection Of P53 Gene Mutations In Helicobacter Pylori Infected Patients With Gastric Cancer</i>
<b>13:30-13:50</b>	<b>Muna A. Abu-Dalo / Jordan</b> <i>Agreen Biosynthesis of Silver Nanoparticles (AgNPs) using Natural Extracts</i>	<b>Nada Issa / Jordan</b> <i>The Association Of Breastfeeding Duration With DNA 5Methylation (Epigenetics) Of the Genes That Involved In Human Immunity Of The (Toll-Like Receptor-1 (TLR1)) Gene In Adolescents.</i>
<b>13:50-14:10</b>	<b>Hammad Younes / UAE</b> <i>CVD Graphene-Based Sensor for Online Scale Monitoring System</i>	<b>Yazan Ismail / Jordan</b> <i>Antimicrobial Activity of Cyclamen persicum Leafs; Comparison between the Pour Plate Technique and the Spreading Technique in the Agar Well Diffusion Method</i>
<b>14:10-14:30</b>	<b>Sharif Arar / Jordan</b> <i>Identification of Some Synthetic Cannabinoids in Different Matrices by Gas Chromatography-Mass Spectrometry</i>	<b>Nehaya Al-Karablieh / Jordan</b> <i>On the Way for Detection of Potential AcrAB-TolC Multidrug Efflux Pump Inhibitor in Hibiscus sabdariffa</i>
<b>14:30-15:00</b>	<b>Lunch Break</b> <i>Dar Al NADWA</i>	



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<b>Session 3</b>	<b>Chemistry / Al Hussein bin Ali Hall</b> <b>Chair: Prof. Dr. Idrees Al Moamni (Yarmouk Univ.)</b> <b>Co-Chair: Dr. Qutaiba Abu Salem (Al al-Bayt Univ.)</b>	<b>Biology / Al Imam Muslim Hall</b> <b>Chair: Dr. Jacob H. Jacob (Al al-Bayt Univ.)</b> <b>Co-Chair: Dr. Mariam Abo AL Basal (Al al-Bayt Univ.)</b>
<b>15:00-15:20</b>	<b>Khalid Essa Al Ani / Iraq</b> <i>Study of the Influence of Solvent and Irradiation Effects on the Photo degradation and photo-oxidation of Poly (4-phenyl styrene)</i>	<b>Bashir M Jarrar / Jordan</b> <i>Physical, Chemical and Biological Characterization of the Total Suspended Particulates and Dust fall in Skaka City of Saudi Arabia</i>
<b>15:20-15:40</b>	<b>Ehab Al Shamaileh / Jordan</b> <i>Corrosion Inhibition of Aluminium by Adsorption of Ammonium-Pyrrolidin-Dithiocarbamate in 1 M NaCl Solution</i>	<b>Tamara S. Al-Qudah / Jordan</b> <i>Evaluation Of Ziziphora Tenuior L. Growth, Oil Yield And Pulegone Content After Slow Growth Storage</i>
<b>15:40-16:00</b>	<b>Ahmad Ali Harahsha / Jordan</b> <i>Identification and Characterization of Dissolved Organic Nitrogen in Waste Water Treatment Plant In North Of Jordan</i>	<b>Mahmoud Al Shawabkeh / Jordan</b> <i>Effect Of Isobutyl-Methylxanthine (IBMX) On Temporal Expression Of Fluconazole Gene Resistant CgCDR1 And CgCDR2 In The Opportunistic Pathogen Candida Glabrata</i>
<b>16:00-16:20</b>	<b>Obadah S. Abdel-Rahman / Jordan</b> <i>Synthesis, Investigation, and DFT Studies on Bis(Alkenylruthenium) Complexes with Free- Rotating and Rotationally Restricted Biaryl Bridges</i>	<b>Rana Almuher / Jordan</b> <i>Linker histone H1.1 mediates meiotic chromatin dynamics in Arabidopsis thaliana</i>
<b>16:20-16:40</b>	<b>Faten S. Al-Regeb / Jordan</b> <i>Removal of Pb(II), Cd(II) and Zn(II) ions using a new poly(1,3-cyclohexylene Oxalate) polymer</i>	<b>Kawther F. Amawi / Jordan</b> <i>The Variations in Blood Pressure Values in Deadsea and Sea Level in Jordan are not Influenced by the Level of Angiotensin Ii</i>

**Closing for the first Day**



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**Thursday 6/4/2017**

8:30-9:00	<b>Welcome Coffee Break</b>
<b>Session 4</b>	<b>Chemistry/ Al Imam Muslim Hall</b> <b>Chair: Prof. Dr. Rajab Abu El-Halawa (Al al-Bayt Univ.)</b> <b>Co-Chair: Dr. Fakhri Omar (Al Hussein Univ.)</b>
09:00-9:30	<b>Sami Boufi / Tunsia</b> <i>Nanocellulose: A sustainable Nanoparticles with broad potential uses</i>
09:30-09:45	<b>Baraa Siyo / Syria</b> <i>Selective Oxidation of Glycerol into Lactic Acid over Pre-formed Palladium and Palladium-Silver Nanoparticles Based Materials</i>
09:45-10:00	<b>Fadwa Odeh / Jordan</b> <i>Aptamers: Opening new horizons in therapy and diagnosis</i>
10:00-10:15	<b>Mansour H. Almatarneh / Jordan</b> <i>Examples of Chemical Problems solved by Computational Chemistry: An Overview</i>
10:15-10:30	<b>Ala'a F. Eftaiha / Jordan</b> <i>Chitin Acetate/DMSO Binary Mixture as a Green Sorbent for CO<sub>2</sub> Capturing</i>
10:30-10:45	<b>Abdussalam K. Qaroush / Jordan</b> <i>The Birth of Green Sorbents for CO<sub>2</sub> Capturing: The Chemistry of Carbamates and Organic Ionic Alkylcarbonates</i>
10:45-11:00	<b>Majed Shtaiwi / Jordan</b> <i>New Tetracyclines via Mannich reaction</i>
11:00-11:15	<b>Rasha K. Abuflaha / Jordan</b> <i>Electrical Measurements And Attenuated Total Reflection Infrared Spectroscopic Study Of Aromatic Isocyanides And Thiols On Gold</i>
11:15-11:30	<b>Yasmin Akhtar / Jordan</b> <i>Volumetric and Viscometric interactions studies of zwitter-ion in aqueous Urea solutions at different temperature</i>
11:30-12:00	<b>Snake coffee Break</b>



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<b>Session 5</b>	<b>Chemistry / Al Imam Muslim Hall</b> <b>Chair: Prof. Dr. Hamzeh Abdel Halim (Al Isra Univ.)</b> <b>Co-Chair: Prof. Dr. Khaldoun Al-Soud ((Al al-Bayt Univ.)</b>
<b>12:00-12:15</b>	<b>Imad Hamadneh / Jordan</b> <i>Synthesis, Spectral Characterization, Theoretical Evaluation Complexes of Chalcone with Cr (iii), Mo (v), W (vi) and Fe (iii)</i>
<b>12:15-12:30</b>	<b>Suhair Bani Atta /Jordan</b> <i>Inorganic Architecture Based On a <math>\{[Ca(H_2O)]_6[P_4W_6O_{34}]_2\}^{12-}</math> Building Block: Countercation Effect on The Lattice Symmetry</i>
<b>12:30-12:45</b>	<b>Luay Abu-Qatouseh / Jordan</b> <i>Synthesis of New Nitrofluoroquinolone Derivatives with Novel Anti-Microbial Properties against Metronidazole Resistant <i>H. pylori</i></i>
<b>12:45-13:00</b>	<b>Bassam A. Sweileh / Jordan</b> <i>Polycarbonates Containing Sulfur Groups in the Main Chain by Melt Polycondensation of Dihydroxy Compounds with Diphenyl Dicarbonates Containing Sulfur Groups</i>
<b>13:00:-13:15</b>	<b>Mansour M. Nawasreh / Jordan</b> <i>Biological Activity of Cephalostatin I Analogues and Apoptotic Signaling Pathways Study</i>
<b>13:15:-13:30</b>	<b>Raid Banat / Jordan</b> <i>Olive Oil Waste Filled High Density Polyethylene Bio-Composite: Mechanical, Morphological and Water Absorption Properties</i>
<b>13:30-13:45</b>	<b>Hanadi A. Almukhlifi / Jordan</b> <i>Oxidative dehydrogenation of isobutane to isobutene by pyrovanadates, <math>M_2V_2O_7</math>, where <math>M(II) = Mn, Co, Ni, Cu</math> and <math>Zn</math>, and <math>Co_2VO_4</math> and <math>ZnV_2O_4</math>: The effect of gold nanoparticles</i>
<b>13:45-14:00</b>	<b>Ayat Bozeya / Jordan</b> <i>Production of fuel from waste plastics using nano catalysts</i>
<b>14:00-14:15</b>	<b>Lubna Alrawashdeh / Jordan</b>



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	<i>Improving the Luminescence Sensitivity of a Series of Iridium (III) Complexes via Encapsulation in Cucurbit[10]uril in Aqueous Medium: Binding and Photophysical Studies</i>
<b>14:15:-14:30</b>	<b>Frezah J. Muhana / Jordan</b> <i>Synthesis of immobilized chitosan/humic acid coupling product for removal of Pb(II), Cd(II) and Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup> from aqueous solutions</i>
<b>14:30:-14:45</b>	<b>Sabah M. Khaleel1 / Jordan</b> <i>Evaluation of Total Phenolic Content and Antioxidant Activity of Three Leaf Extracts of Ziziphus spina-christi (Sedr) Grown in Jordan.</i>
<b>14:45:-15:00</b>	<b>Ismael Elayan / Jordan</b> <i>Computational Study of the Ozonolysis of Sabinene Reaction Mechanisms</i>
<b>15:00-15:15</b>	<b>Noura Mohammad / Jordan</b> <i>Phenol Adsorption on Biochar prepared from the Empty Pine Fruit Shells</i>
<b>Conference Closing ceremony</b>	