



## 6<sup>th</sup> International Chemistry Conference (6<sup>th</sup> ICC)

### Day 1

Session		Time			
Registration		8:00 – 8:30 AM			
Welcome speech Prof. Zeid A. Al-Othman Chairman of Organizing Committee		8:30 – 8:45 Am			
Keynote Speaker (1) Prof. Omar M. Yaghi Crystalline Sponges for Clean Energy		8:45 - 9:30 AM			
Prof. Mustafa A. El-Sayed Nanotechnology meets Biology In the Cancer Cells		9:30-10:15 AM			
Coffee Break: 10:15- 10:30 AM					
<b>Session 1: 10: 30 AM – 12:10 PM</b> Session chairman : Dr. Ali Alsalame (KSU) Hall : Hamad Al-Jasser (Male) Main Conference Hall- University Female Center (Female)		<b>Session 2 : 10: 30 AM – 12:10 PM</b> Session chairman : Prof. A. Al-Majid (KSU) Hall : Conference Hall B26 (Male) Conference Hall 1 - University Female Center (Female)			
<b>Session 3: 10: 30 AM – 12:10 PM</b> Session chairman: Prof N. Materer Hall : AlDerwazah (Male) Conference Hall 2 - University Female Center (Female)					
Catalysis and Polymer Science		Bio- and Medicinal chemistry			
Renewable Energy and Fuels		Green and Environmental Chemistry			
Nanotechnology		Materials Science			
Abdulla Elbashir High performance liquid chromatography coupled with LTQ Orbitrap mass spectrometry for analysis acrylamide in food	10:30- 10:50	Yacine Badjah Direct Analysis in Real Time / Time of Flight / Mass Spectrometry (DART/ToF/MS): A New and Powerful Analytical Technique and its Applications	10:30- 10:50	Abdul Niaz Thiamine Functionalized Silver Nanoparticles for the highly Selective and Sensitive Colorimetric Detection of Hg <sup>2+</sup> ions	10:30- 10:50

<b>Tamer Abdelrazik</b> Advanced Wound dressing based on chitosan biopolymers: preparation, Characterization and Bio-evaluation	<b>10:50- 11:10</b>	<b>Fayaz Ali</b> C-black/chitosan fibers as microbial biomarker and excellent biosorbent for organic pollutants	<b>10:50- 11:10</b>	<b>Mohamed El-Newehy1</b> Controlled Release of Dexamethasone Loaded in Core-Shell SF/PEO Nanofibers via Green Electrospinning	<b>10:50- 11:10</b>
<b>Ahmad Aqel</b> Preparation and Evaluation of Polymethacrylate Monolithic Columns for Capillary Liquid Chromatography Application	<b>11:10- 11:30</b>	<b>Mohammad N. Siddiqui</b> Development of novel adsorbents for the removal of water pollutants	<b>11:10- 11:30</b>	<b>Mokhtar Ali Amrani</b> Novel and New Synthesis Protocol of Iron-Based Nanostructures for Arsenic and Selenium Removal from Water	<b>11:10- 11:30</b>
<b>H. MOUADI</b> Membrane separation technology based on facilitated transport through polymer inclusion membranes (PIMs) for the selective extraction of vitamin E	<b>11:30 - 11:50</b>	<b>Aarif H. El-Mubarak</b> Polycyclic aromatic hydrocarbons and trace metals in mosque's carpet dust of Riyadh, Saudi Arabia, and their health risk implications	<b>11:30 - 11:50</b>	<b>Ayman Nafady</b> SYNTHESIS AND FABRICATION OF NANOSTRUCTURED METAL-ORGANIC FRAMEWORKS BASED ON TI(TCNQ)	<b>11:30 - 11:50</b>
<b>Hany El-Hamshary</b> Synthesis and application of magnetic poly(styrene-co-4-vinylpyridine) beads and their application in heavy metal removal	<b>11:50-12:10</b>	<b>Jahan_Zeb</b> Chemical Characterization and Source Apportionment of PM2.5 in Rabigh, Saudi Arabia	<b>11:50-12:10</b>	<b>Zaheer Ahmad</b> Hypoxia-responsive methoxy poly (ethylene glycol)-block-poly (glutamic acid)-graft-6-(2-nitroimidazole) hexyl amine nanoparticles for potential tumor microenvironment-targeted delivery of doxorubicin	<b>11:50-12:10</b>
<b>Lunch Break and Prayer: 12:10 – 1:30 PM</b>					
<b>Posters Session 1 : Posters No: 1- 180 12: 00-5:00 PM</b>					
<b>Keynote Speaker (3): Prof. Allen W. Apblett 1:30 PM – 2:00 PM</b>					
<b>Nanotechnology and Materials Science: Nanotechnology for Detection and Neutralization of Improvised Explosives</b>					
<b>Chairman : Prof. A. Alwarthan (KSU)</b>					
<b>Break: 2:00 - 2:10 PM</b>					

Session 4: 2:10 PM – 3:50 PM Session chairman : Dr. A. Barakat (KSU)		Session 5: 2:10 PM – 3:50 PM Session chairman : Prof. H. Behbehani ( Kuwait )		Session 6: 2:10 PM – 3:50 PM Session chairman: Dr. D. Aldhayan (KSU)	
<b>Ersen Göktürk</b> Polyglycolic Acid and Copolymers from the Direct Polymerization of C1 Feedstocks	<b>2:10 – 2:30</b>	<b>Jungkyun Im</b> Preparation and Evaluation of BBB-permeable Trehalose Derivatives as Potential Therapeutic Agents for Huntington's Disease	<b>2:10 – 2:30</b>	<b>Ahmed M. El-Toni</b> Tailoring the structure and functionality of core-shell based nanoparticles for biomedical applications	<b>2:10 – 2:30</b>
<b>Mohamed Ghanem</b> Electro-catalysts of mesoporous transition metals compounds for energy production applications	<b>2:30-2:50</b>	<b>Fahad M. Almutairi</b> Marine Base Non-Digestible Fibre Polysaccharide: A Review on the Molecular Hydrodynamic Analysis by Ultracentrifugation	<b>2:30-2:50</b>	<b>Loubna Mentar</b> Role of chloride ions on the properties of electrodeposited ZnO nanostructures	<b>2:30-2:50</b>
<b>Ahmed Al-Fatesh</b> Syngas production by CO2 reforming of methane over SBA-15 supported Ni, Co and Ni-Co-Ce catalysts	<b>2:50-3:10</b>	<b>M. A. J. Mazumder</b> Temperature Sensitive Biomaterials as non-invasive Cell & Drug Delivery Vehicles	<b>2:50-3:10</b>	<b>Mujeeb Khan</b> Plant Extracts Based Green Synthesis of Nanomaterials	<b>2:50-3:10</b>
<b>Jagadeesh Rajenahally</b> Non-Noble Metal-based Nanocatalysts for Sustainable Chemical Synthesis	<b>3:10 – 3:30</b>	<b>Muhammad Ismai</b> Chlorinated Pesticides Contamination in Water Samples of Some Area of KPK, Pakistan and Decomposition of MCP Using AOPs	<b>3:10 – 3:30</b>	<b>Zahid Shafiq</b> Multifunctionality of mussel (DOPA) inspired adhesives: more than reliable adhesion underwater	<b>3:10 – 3:30</b>
<b>Amal A. Alshehri</b> M1-M2-TUD-1 as Bi-Function Catalysts for Cyclohexane Selective Oxidation	<b>3:30 – 3:50</b>	<b>Imtiaz khan</b> Ethanol or CHCl3 (trichloromethane or chloroform) extract of Field bind weed and toothpick on weeds in wheat.	<b>3:30 – 3:50</b>	<b>N. Boussouf</b> Influence of addition of TiO2 nanoparticle on the structural and superconducting properties of (Bi1.6Pb0.4)Sr2Ca2Cu3O10+x ceramics	<b>3:30 – 3:50</b>



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Day 2		
<b>Keynote Speaker (4): Prof. Siva Umapathy 8:30 – 9:15 AM</b> <b>Applications of laser spectroscopy to chemistry, biology and medicine</b> <b>Chairman: Prof. A. Apblett (OSU- USA)</b>		
<b>Coffee Break: 9:15- 9:30 AM</b>		
<b>9:30 – 11:00 AM      Opening Ceremony</b>		
<b>Keynote Speaker (5): Eng. Mazyad S. Al Khaldi 11:00-11:45 AM</b> <b>Chairman : Prof. H. Alkathlan (KSU)      "Chemistry is the basis for industry "</b>		
<b>Lunch Break and Prayer: 11:45 AM - 1:30 PM</b>		
<b>Posters Session 2: :      Posters No: 181 - 350      12:00-5:00 PM</b>		
<b>Keynote Speaker (6): Mustafa Soylak 1:30- 2:00 PM</b> <b>Recent trends in nanosized materials for solid phase extraction and solid phase microextraction: Green Chemistry Applications</b> <b>Chairman : : Dr. K. Alhooshani (KFUPM)</b>		
<b>Break: 2:00 – 2: 10 PM</b>		
<b>Session 7: 2:10 – 3:50 PM</b> <b>Session chairman : Prof. A. Almayouf (KSU)</b>	<b>Session 8: 2:10 – 3:50 PM</b> <b>Session chairman: Prof E. Kenawy (Egypt)</b>	<b>Session 9: 2:10 – 3:50 PM</b> <b>Session chairman : Prof. M. Seddiqui (KSU)</b>

<b>Nardjesse Nemiche</b> Synthesis and Characterization of Novel Amphiphilic Block Copolymers poly(N-vinylBenzeneChlorid)-b-poly(ethyleneoxide) ,and determinate the parameters as tension-actives no-ionic in aqueous solution	<b>2:10 – 2:30</b>	<b>A. M. Abd El-Aty</b> Detection of Three Herbicide, and One Metabolite, Residues in Brown Rice and Rice Straw Using Various Versions of the QuEChERS Method and Liquid Chromatography-Tandem Mass Spectrometry	<b>2:10 – 2:30</b>	<b>Aymen Bourezgui</b> Synthesis of porous TiO <sub>2</sub> thin films prepared with templating technique to improve the photoelectrochemical properties	<b>2:10 – 2:30</b>
<b>Ertugrul Sahmetlioglu</b> Polysilicon Acetals: Synthesis, Microstructure and Thermal Properties	<b>2:30-2:50</b>	<b>Kamel H. Shaker</b> Bioactive Compounds from Marine Organisms	<b>2:30-2:50</b>	<b>Mohammed A Tayeb</b> Used Refractory: From Waste to Useful Materials	<b>2:30-2:50</b>
<b>KHOULOUD JLASSI</b> Conductive hairy nanofillers with unusual effects on interfacial properties through sequential diazonium chemistry and surface-confined polymerization	<b>2:50- 3:10</b>	<b>Merajuddin Khan</b> A detailed study on chemical characterization of essential oil components of two <i>Plectranthus</i> species grown in Saudi Arabia	<b>2:50- 3:10</b>	<b>Khaled Alouani</b> Structural, morphological, and optical properties of tin sulfide thin films deposited using organo-phosphorus compound Ph <sub>3</sub> PS	<b>2:50- 3:10</b>
<b>Nawal, Suleman</b> Preparation of some models and polyschiff-bases of dibenzo-18-crown-6 and, polyamides of diaza-18-crown-6 and studying their liquid crystalline properties	<b>3:10-3:30</b>	<b>Omer Hamdi</b> Chemical constituents from the rhizomes of Curcuma zedoaria and assessment of their biological activities	<b>3:10-3:30</b>	<b>Mohammad Musarraf Hussain</b> Chemical sensor development based on transition metal oxides nanoparticles decorated CNT nanocomposites	<b>3:10-3:30</b>
<b>Azzeddine Berbadj</b> Structural, Raman spectroscopy and magnetic properties of hexagonal YMnO <sub>3</sub> polycrystalline	<b>3:30-3:50</b>	<b>Hamidu Usman</b> Phytoconstituents Evaluation and Antimicrobial Efficacy of the Crude Flavonoids and Saponins Roobark Extracts of Terminalia aviccinoides Perr. and Ficus polita Vahl	<b>3:30-3:50</b>	<b>Mohammad Muneer</b> Synthesis, Characterization and Photocatalytic Performance of Visible light Induced Semiconducting Materials	<b>3:30-3:50</b>



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### Day 3

**Keynote Speaker (7): Nicholas F. Materer 8:30 - 9:00 AM**

**“Sensor arrays for environmental detection of carbon dioxide and methane remote or hazardous locations”**

**Keynote Speaker (8): Ajayan Vinu 9:00- 9:30 AM**

**"Nanoporous Materials with Functional Elements and their Multiple Applications".**

**Chairman: Dr. A. Aldalbahi (KSU)**

**Coffee Break: 9:30 - 10:00 AM**

**Session 10: 10:00 AM – 12:00 PM**  
**Session chairman : Dr. M. Al-Hazimi (SABIC)**

**Session 11: 10:00 AM – 12:00 PM**  
**Session chairman: Prof. A. AlMigrich (Tunisia)**

**Session 12: 10:00 AM – 12:00 PM**  
**Session chairman : Dr. R. Alotaibi (KACST)**

**Syed Farooq**  
Synthesis, Characterization and Evaluation of Catalytic Property of Metal Nanoparticles Supported On Nickel Manganese Mixed Oxide

**10:00 – 10:20**

**Idris CERKEZ**  
Synthesis and Characterization of Antibacterial Hydrogels Utilizing N-Halamine Chemistry

**10:00 – 10:20**

**Deewan Akram**  
Mechanically strong, thermally stable, antibacterial, hydrophobic "greener" nano hybrid composite coatings

**10:00 – 10:20**

**Syed Ali Padusha**  
Aryl/heteroaryl pentafluorobenzenesulfonates: Electrophilic coupling partners for Suzuki–Miyaura cross-coupling reactions and Regioselective synthesis of C-2 substituted imidazo[4,5-b]pyridines

**10:20- 10:40**

**Faisal A. Almalki**  
A Corey-Seebach Macroclisiation Strategy for the Synthesis of the Bisbibenzyl Natural Products, Riccardin C, Cavicularin and Asterelin A

**10:20- 10:40**

**El-Refaie Kenawy**  
Nanofibers for Medical Application

**10:20- 10:40**

<b>MOHAMMED MOUZALI</b> Synthesis of dental resins based on dimethacrylate monomers. optimization of the volumetric shrinkage	<b>10:40 – 11:00</b>	<b>Ahmed T. A. Boraei</b> Synthesis, Reactivity and Biological activity of Selected 1,3,4-Oxadiazolethiones and 1,2,4-Triazolethiones	<b>10:40 – 11:00</b>	<b>Elshafie A. M. Gad</b> Corrosion inhibition performance of 4-mercapto-1-alkylpyridin-1-ium bromide using DFT Approach	<b>10:40 – 11:00</b>
<b>Mohammad Asif Iqbal</b> Augmenting the catalytic activity of ferric oxide by doping divalent metal ions for the synthesis of nucleic acid bases: A prebiotic chemistry scenario	<b>11:00 – 11:20</b>	<b>Asnuzilawati Asari</b> Synthesis and Preliminary Assessment of Antibacterial Activity of Aaptamine Derivatives	<b>11:00 – 11:20</b>	<b>Reda Abdel Hameed</b> Pyrazolo[3,4-d]pyrimidinone Derivatives as Corrosion Inhibitors for Carbon Steel in 1 M HCl Acidic Medium	<b>11:00 – 11:20</b>
<b>Mohd Akram</b> MICELLE-CATALYZED REACTION BETWEEN DIPEPTIDE (Gly-DL-Asp) AND NINHYDRIN IN AQUEOUS AND ORGANIC SOLVENT MEDIA	<b>11:20 – 11:40</b>	<b>Assem Barakat</b> Barbiturate Derivatives: Trends and Challenges	<b>11:20 – 11:40</b>	<b>Abdelwaheb Cheikhrouhou</b> Influence of the synthesis and sintering methods on the composition, structure, microstructure and physical properties of materials: the case of manganites	<b>11:20 – 11:40</b>
<b>Abeer Sharfalddin</b> Micro, Sono, Photocatalytic Degradation of Eosin B Using Ferric Oxide Doped with Cobalt	<b>11:40 -12:00</b>	<b>Ghazala Yaqub</b> Synthesis and Histomorphological Studies of Novel Carbazole Based Antibacterial Hybrid- A Future Drug	<b>11:40 -12:00</b>	<b>Saleh A. Ahmed</b> Dye Sensitized TiO <sub>2</sub> Surface: An Efficient Strategy toward Quick Removal of Water Contaminants	<b>11:40 -12:00</b>
<b>Lunch Break and Prayer: 12:00--1:30 PM</b>					
<b>Posters Session 3: Posters No: 351 - 522 12:00- 5:00 PM</b>					

**Keynote Speaker (9): Imran Ali 1:30- 2:00 PM**  
**Innovative nano adsorbents for water treatment: Need of Future**

**Chairman : Dr. M. Habila**

**Break: 2:00 - 2:10 PM**

<b>Session 13: 2:10 – 3:50 PM</b> <b>Session chairman : Dr. N. Al-Harbi (SABIC)</b>		<b>Session 14: 2:10 – 3:50 PM</b> <b>Session chairman: Dr. Abd Elaty (Korea)</b>		<b>Session 15: 2:10 – 3:50 PM</b> <b>Session chairman: Prof. Y. Badjah (KSU)</b>	
<b>RAMZI MAALEJ</b> High efficient antireflective and downconversion in ZnO:Nd,Yb nanocones thin films for enhance c-Si solar cells efficiency	<b>2:10 – 2:30</b>	<b>Benayache Samir</b> On-line screening and identification of antioxidant phenolic compounds of Saccocalyx satureioides Coss. et Dur. and Salvia aegyptiaca L. (Lamiaceae)	<b>2:10 – 2:30</b>	<b>El-Refaie Kenawy</b> Nanofibers for Medical Application	<b>2:10 – 2:30</b>
<b>Javed Iqba</b> Design and synthesis of an organic material with high open circuit voltage of 1.0 V for organic solar cell	<b>2:30-2:50</b>	<b>Fadila BENAYACHE</b> Chemical composition and in vitro antiproliferative activity of the essential oils of the leaves and flowers of Perralderia coronopifolia Coss. (L.) subsp. eu-coronopifolia M. var. typica M	<b>2:30-2:50</b>	<b>, Lokman Torun</b> Triazine-Based New Liquid Crystals: Synthesis and Properties	<b>2:30-2:50</b>
<b>Shaheen M. Sarkar</b> Waste Corn-Cob Cellulose Supported Palladium Nanoparticles for Cross-Coupling Reactions	<b>2:50-3:10</b>	<b>Mohamed A. El-Raey</b> Phenolic Constituents and Biological Activities of Acalypha wilkesiana forma tricolor Muell Arg Seeds	<b>2:50-3:10</b>	<b>Hafed Elfeki</b> The effect of a sol-gel bioglass composites in ovariectomized rats	<b>2:50-3:10</b>
<b>Mohamed E. Khalifa</b> Utility of Novel Organic Dyes in Solar Cell and Nonlinear Optics Applications	<b>3:10-3:30</b>	<b>Zaheer Ul-Haq</b> Cheminformatics-Based Discovery of Immune Inhibitors	<b>3:10-3:30</b>	<b>Noureddine Raouafi</b> Graphene electrodes for sensing and biosensing	<b>3:10-3:30</b>



				applications	
<p><b>Mohamed Habila</b>  <math>\text{Fe}_3\text{O}_4</math> Based Magnetic Core-Shell Nanoparticles: Design, Synthesis and Application for Water Treatments and Separation Techniques</p>	<b>3:30-3:50</b>	<p><b>Islam Ullah Khan</b>            Application of Pyridine-2, 4, 6-tri Carboxylic acid as highly Connected linker for assembling of Lanthanide Coordination Frameworks</p>	<b>3:30-3:50</b>		<b>3:30-3:50</b>
<p><b>Closing Ceremony: 3:50 - 4:00</b></p>					