

Time	Session	Tuesday 11-07-2017	
8:30-09:30	Al-Karamah Auditorium	Registration	
9:30-10:00		Opening Ceremony	
10:00-10:30		Coffee Break	
	Morning Sessions	Chair : Prof. Mohammad El-Khateeb	
10:30-11:05		Keynote Speaker (K1) Prof. Dr. h.c. mult. Luis A. Oro , Spain "From Parent Amido-Bridged Polynuclear Complexes to Imido Iridium Clusters: The Unprecedented Formation of a Mixed Imido/Amido Tetrairidium Cluster"	
11:05-11:40		Keynote Speaker (K2) Prof. Abeer Al-Bawab, Jordan "Materials Science, Nanotechnology and Colloid Chemistry"	
		Structural Materials, electronic and magnetic materials Chair: Prof. Abeer Al-Bawab ; Co-chair: Prof. Nathir Al-Rawashdeh	
11:40-12:00		Invited Speaker (I1) Prof. Yaseen Al-Soud , Jordan "Synthesis and Biological Evaluation of New 1,2,4-Triazoles Derivatives "	
12:00-12:20		O1: Prof. Mohamed Ellouze - Tunisia "Magnetism and Magnetocaloric effect "	
12:20-12:40		O2: Prof. A. BESBES - Algeria "Thermodynamic properties of a new quaternary Heusler alloy PdRuZrGe"	
12:40-12:55		Al-Boqai Center for Rehabilitation : Jordanian Success Story	
12:55-14:00			Lunch

Session-I

Session-II
Tue: 11-07-2017
Salah- Aldeen
Auditorium

Macromolecules, Sensors, Manufacturing and Processing for Materials
Performance Enhancement

Chair: Prof. Dr. Heinrich Lang ; Co-chair: Prof. Borhan Aldeen A. Albiss

14:00-14:35

Keynote Speaker (K3)

Prof. Dr. Anthony Day , AUSTRALIA

"Cucurbit[n]uril as drug delivery vehicles and building blocks to new materials"

14:35-14:55

Invited Speaker (I2)

Prof. Ghulam Mustafa, Pakistan

"Nanostructured Receptors based Chemical Sensors on the Way to Real-World Applications with Targeting Selectivity"

14:55-15:20

**Afternoon
Sessions**

15:20-15:40

O4: Dr. Ahmad I. Ayesh-Qatar

"Hazardous gas sensors based on nanoparticles and organic semiconductors"

15:40-16:00

**Salah-
Aldeen
Auditorium**

O5: Dr. Lubna Alrawashdeh-Suadi Arabia, Jordan

"Development of Novel Sensors for Fingerprint and Explosives Detection"

16:00-16:20

O6: Prof. Amall A. Ramanathan - Jordan

"Defect Functionalization of MoS₂ nanostructures as toxic gas sensors"

16:20-16:40

O7: Dr. Alaa A. A. Aljabali - Jordan

"Rapid magnetic nanobiosensor for the detection of Serriata marcescen"

16:40-17:00

O8: Prof. Nagarbawdi M A - INDIA

"Quality Assessment of some vegetables by dielectric sensing, hydrophobicity and hydrophilicity of surfaces by electrochemical deposition"

17:00-17:20

O9: Prof. J. M. Khoshman - Jordan

"Photoluminescence, Surface morphology, and optical polarization properties of Jordanian white silica sand thin films"

19:00-21:00

Dinner at the Hotel (Irbid)

Time	Session	Wednesday 12-07-2017
8:30-09:15	Morning Sessions Salah- Aldeen Auditorium	Registration
9:15-9:50		Keynote Speaker (K4) Prof. Dr. Şule ERTEN-ELA –Turkey “COMPARISON OF ORGANIC SOLAR CELLS AND SILICON SOLAR CELLS”
9:50-10:25		Keynote Speaker (K5) Prof. Dr. Mamoun Medraj -UAE “Materials Development for Improved Energy Efficiency and Reduced Environmental Impact”
10:25-10:45		Coffee Break
Session-I		Functional Materials and Applications Chair: Prof. Ghulam Mustafa; Co-Chair: Dr. Raed M. Al-Zoubi
10:45-11:20		Keynote Speaker (K6) Prof. Dr. Heinrich Lang - Germany "Materials Chemistry: Design and Synthesis of Tailor-made Functional Materials"
11:20-11:40		O10: Dr. Deeb Taher-Jordan "Heterocyclic Diferrocenyl Methanol, Solid-State Structure and Electrochemical Investigations"
11:40-12:00		O11: Dr. Khaled Al Khalyfeh - Jordan “New Ferrocene Based Monomers and Polymers as Electro-Active Materials“
12:00-12:20		Invited Speaker (I3) Prof. Marwan S. Mousa, Jordan “The Influence of Material Composition on the Development of Electron Sources”
12:20-14:00		Lunch

Session-II Wed: 12-07-2017	Materials for Water, Environmental Applications, and Biomaterial Chair: Prof. Mohamed Ellouze ; Co-Chair: Prof. M-Ali H. Al-Omari	
14: 0-14:25	Afternoon Sessions Salah-Aldeen Auditorium	Keynote Speaker (K8) Prof. Dr. Wolfgang Weigand – Germany "[FeFe] Hydrogenase Subunit Mimics containing Selenium“
14:25-14:45		Invited Speaker (I4) Prof. Ahmed Moosa , Iraq "Heavy Metals Removal from Wastewater Using Carbon nanotubes"
14:45-15:05		O14: Dr. M. R. Kazimi-Pakistan "Dyeing applications of amino benzene sulfonic acid & polypyrrole nanocomposite based conducting dyes over cotton and silk"
15:05-15:25		O15: Prof. Habib Ayadi - Tunisia “Seasonal succession of Phytoplankton and Zooplankton Communities Coupled to Environmental Factors in the Oligo-mesotrophic to eutrophicLakhmes Reservoir (Semi Arid Mediterranean Area, Central Tunisia)”
15:25-15:40		Coffee Break
15:40-16:00		O16: Dr. Bashir M. Jarrar - Jordan "Ultrastructural Pathology in the Renal Tissues of Rats Induced by Zinc Oxide Nanoparticles: An Electron Microscopic Study”
16:00-16:20		O17: Prof. M.A. Shaheen – Pakistan “Metal based scaffolds derived from Schiff bases as a potential therapeutic agents”
16:20-16:40		O18: Dr. Ali Al-Sawalmih “Investigating the Hierarchical Design and Nanostructure in Biological Materials Using Synchrotron X-Ray Scattering “
16:40-18:30		Posters Session
19:00-21:00	Conference Dinner (at JUST)	

Time	Session	Thursday 13-07-2017
Session - I		Manufacturing and Processing for Materials and Computational Materials Sciences. Chair: Prof. Habib Ayadi; Co-Chair: Dr. Muna AbuDalo
9:15-9:50	Morning Sessions	Keynote (K7) Prof. Renat Sabirianov, USA "Density functional modeling of magnetic materials"
9:50-10:10		O20: Prof. A. Y. Hammoudeh - Jordan "Fenton-like Degradation of Phenol Catalyzed by a Series of Fe-Containing Mixed Oxides Systems"
10:10-10:30		O21: Prof. Isam Janajreh -UAE "Direct Contact Membrane Distillation Technology "
10:30-10:50		O23: Prof. Fadwa Odeh- Jordan "Dynamic NMR Study of Model CMP Slurry Containing Nanoparticles as Abrasives "
10:50-11:05		Coffee Break
11:05-11:25		O24: Dr. Ghaseb N. Makhadmeh - Jordan "Effect of Photon Radiations in Semi-Rigid Artificial Tissue Sensitized by Silica Nanoparticles Encapsulated Pp-IX"
11:25-11:45		O25: Prof. Mousa Al-Noaimi "Ruthenium(II) diamine complexes incorporating azoimine ancillary ligands. Synthesis, spectral, crystal structure and DFT calculations and catalytic activity in the hydrogenation of α,β -unsaturated aldehyde"
11:45-12:05		O26: Dr. Mohammad K. Harb - Jordan "[FeFe] Hydrogenase Models Containing Different Length Diselenolato Bridging Moieties"
12:05-12:25		O27: Dr. Suhair B. Atta - Jordan "Synthesis and Characterization of Calcium –Containing Tungstobismuthates Obtained from the $\text{Na}_{11}\text{H}[\text{H}(2-x)\text{Bi}_2\text{W}_{20}\text{O}_{70}(\text{HWO}_3)_x] \cdot 46\text{H}_2\text{O}$ ($x=1.4$)"
12:25-13:15		Closing Remarks
13:15-15:00	Group photo and Lunch	



Time	Tuesday 11.07.2017		Time	Wednesday 12.07.2017	Thursday 13.07.2017	*Post
8.30-09.30	Registration		8.30-9.15	Registration		conference trip to Wadi Rum and Petra Thursday 14-15.07.2017
9.30-10.00	Opening		9.15-9.50	Keynote Speaker (K4)	9.15-9.50 Keynote Speaker (K7)	
10.00-10.30	Coffee Break		9.50-10.25	Keynote Speaker (K5)	9.50-10.10 Oral Talk	
10.30-11.05	Keynote Speaker (K1)		10.25-10.45	Coffee Break	10.10-10.30 Oral Talk	
11.05-11.40	Keynote Speaker (K2)		10.45-11.20	Keynote Speaker (K6)	10.30-10.50 Oral Talk	
11.40-12.00	Invited Speaker (I1)		11.20-11.40	Oral Talk	10.50-11.05 Coffee Break	
12.00-12.20	Oral Talk		11.40-12.00	Oral Talk	11.05-11.25 Oral Talk	
12.20-12.40	Oral Talk		12.00-12.20	Oral Talk	11.25-11.45 Oral Talk	
12.55-14.00	Lunch		12.20-12.40	Oral Talk	11.45-12.05 Oral Talk	
14.00-14.35	Keynote Speaker (K3)		12.40-14.00	Lunch	12.05-12.25 Oral Talk	
14.35-14.55	Invited Speaker (I2)		14.00-14.25	Invited Speaker (I4)	12.25-12.45 Oral Talk	
14.55-15.20	Invited Speaker (I3)		14.25-14.45	Oral Talk	12.45-13.15 Closing Remarks	
15.20-15.40	Oral Talk		14.45-15.05	Oral Talk		
15.40-16.00	Oral Talk		15.05-15.25	Oral Talk		
16.00-16.20	Oral Talk		15:25-15:40	Coffee Break	13.15-15.00 Lunch	
16.20-16.40	Oral Talk		15.40-16.00	Oral Talk		
16.40-17.00	Oral Talk		16.00-16.20	Oral Talk	Trip to Jerash	
17.00-17.20	Oral Talk		16.20-16.40	Oral Talk		
			16.40-17.00	Oral Talk		
			17.00-18.30	Posters Session		
19.00-21.00	Dinner at Irbid (at the Hotel)		19.00-21.00	Conference Dinner (at JUST)	Dinner (at Jerash)	