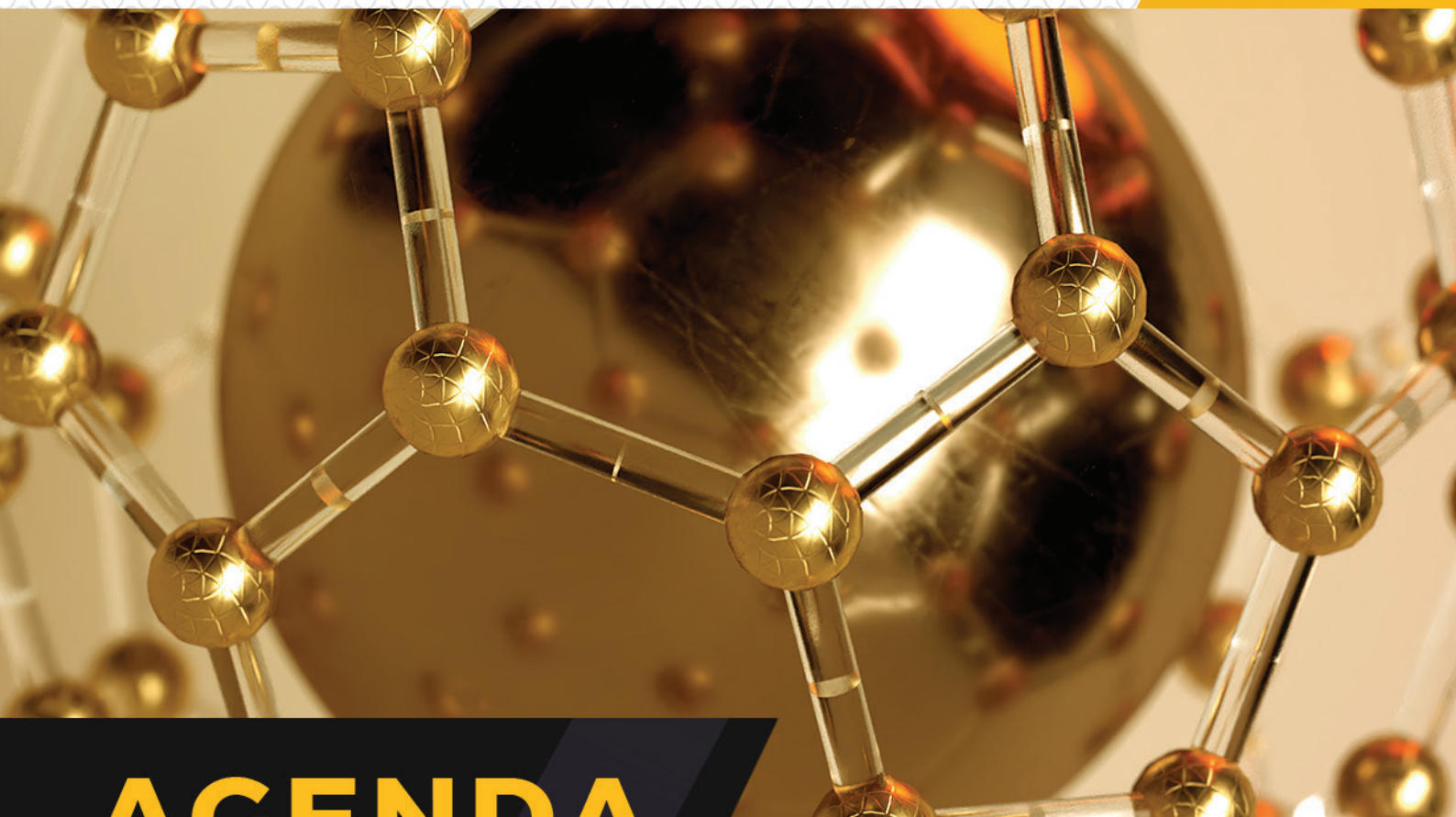




AGENDA

INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND THEIR APPLICATIONS 2021

FROM 7th TO 9th March 2022

THE COLLEGE OF SCIENCE AND HUMANITIES
PRINCE SATTAM BIN ABDULAZIZ UNIVERSITY, AL-KHARJ, KINGDOM OF SAUDI ARABIA

FOR MORE INFORMATION VISIT:
WWW.ICAMA-PSAU.COM

International Conference on Advanced Materials and their Applications 2021 (ICAMA2021)

The College of Science and Humanities at Prince Sattam Bin Abdulaziz University in Al-Kharj, Saudi Arabia

DAY 1

TIME

7 MARCH 2022

GMT= RIYADH- 3

ICAMA2021 Inaugural Ceremony-Date: 07 March, 2022

Welcome speech

10:00 - 11:00 RIYADH
07:00 - 08:00 GMT

Chairman of Conference

11:00 - 12:30 RIYADH
08:00 - 09:30 GMT

Keynote Speaker Prof. Dr. Montserrat Zamorano
Valuing waste in sustainable ceramic materials. A science mapping approach

12:30 - 13:00 RIYADH
09:00 - 10:00 GMT

BREAK

Sessions

	Session A	Session B
	Materials sciences Chairman: Prof. Dr. Saud Allihyani + Prof. Mohamed BOUAZIZI	Materials and its applications Chairman: Prof. Dr. Wail Sulaiman Falath + Prof. Essam AbdelFattah
	ROOM 1	ROOM 2
13: 00- 14:40 RIYADH 10:00 - 11:40 GMT	Georgios Zapsas Polyethylene-based Silica Nanocomposites and Their Potential Applications	Mohammad Ashraf Ali Future Enhanced Petrochemicals Production: Catalysts and Processes Challenges
13: 00- 13:20 RIYADH 10:00 - 10:20 GMT	Sameh M Bidak Synthesis, Evaluation of asymmetric dicationic Ionic Liquids and studying their efficiency for Egyptian Base Oil improvement	Hiba Abdalla Magnetic nanoparticles as an effective tool for isolation of polycyclic aromatic hydrocarbons from environmental samples
13: 20- 13:40 RIYADH 10:20 - 10:40 GMT	Essam Saber Abd El-Sayed Ahmed Preparation And Characterization Of Cmc/Ha-Nps/Pulp Nano-Composites For The Removal Of Heavy Metal Ions	Mohammad Ashraf Ali Photocatalytic Removal of Persistent pollutant from water using Pure TiO ₂ and TiO ₂ /WO ₃ /g-C ₃ N ₄ Nanocomposites
13: 40- 14:00 RIYADH 10:40 - 11:00 GMT	Mohammed E. Ali New Novel Insulation Materials Produced from Agro Wasted Materials and Their Hybrid	Chaimae MOUROU Using waste glass in the fabrication of reflective glaze for ceramic roof tiles coatings to mitigate urban heat island effect
14: 00- 14:20 RIYADH 11:00 - 11:20 GMT	AIT Ali Salima Removal of basic fuch sine in aqueous solution via polystyrene modified with oleic acid	Is Fatimah Metal Oxide-Modified Clay Materials For Photocatalytic Degradation Of Organic Compounds
14: 20- 14:40 RIYADH 11:20 - 11:40 GMT		

TIME

DAY 1
7 MARCH 2022

GMT= RIYADH- 3

14:40 - 15:00 RIYADH 11:40 - 12:00 GMT	Nabil Jouini Characterization of surface integrity produced by various finishing processes of AISI 52100 bearing rings	Essam Abdel-Fattah Amination of MWCNTs in RF-dielectric barrier discharge Ar-N ₂ -H ₂ plasmas
15:40 - 15:30 RIYADH 12:00 - 12:30 GMT	BREAK	
15:30 - 16:30 RIYADH 12:30 - 13:30 GMT	Keynote Speaker Prof. Dr. Justin Hargreaves towards sustainable ammonia synthesis	
16:30 - 17:30 RIYADH 13:30 - 14:30 GMT	Keynote Speaker Prof. Dr. Manoj Kumar Ram High power and high energy-based hybrid super capacitor	
17:30 - 18:30 RIYADH 14:30 - 15:30 GMT	Work shop Dr. Tarek Abbas Ali Elkhooly How to deal with challenging samples in particle size and zeta potential measurements	

DAY 2

TIME

8 MARCH 2022

GMT= RIYADH- 3

10:00 - 11:00 07:00 - 08:00	RIYADH GMT	Keynote Speaker.Prof. Dr. Ibrahim M. El-Sherbiny Smart Nano- and Nano-in-Micro Systems: Promises for Pharmaceutical and Biomedical Applications	
11:00 - 11:10 08:00 -08:10	RIYADH GMT	BREAK	
Sessions			
11:00 - 12:30 08:00 - 09:30	RIYADH GMT	Session A	Session B
		Materials sciences Chairman: Prof. Dr. Mazen Alshaaer +Dr. Hussein Alrobei ROOM 1	Materials and its applications Chairman: Prof. Dr. Ibrahim M. El-Sherbiny + Dr. Yassine Riadi ROOM 2
11:10 - 11:30 08:10 -08:30	RIYADH GMT	Sadeem Alotaibi Study the stability of perovskite solar cells in hot and Arid climate	Essam Abdel-Fattah Structure, Optical and Spectroscopic properties of ZnO nano-flowers grown using hydrothermal Method
11:30 - 11:50 08:30 -08:50	RIYADH GMT	Mohamed A. Ghanem Self-assembly of Mesoporous Nanostructured Catalysts for Boosting the Electrochemical Energy Reactions	Basheer A. Alshammari Utilization of Local Silica Sand and plastic Wastes for Developing a Greenhouse Materials
11:50 - 12:10 08:50 -09:10	RIYADH GMT	Zeinab Mahmoud Abdelrahman Soret And Dufour Effects On Heat And Mass Transfer By Unsteady Free Convection Flow Of a Viscoelastic Fluid Past a Vertical Surface	Haneen Omar Inflammation Suppressing Nanoparticles for Enhanced Doxorubicin Uptake and Retention in Drug-Resistant Breast Cancer
12:10 - 12:30 09:10 -09:30	RIYADH GMT	Awatef Abidi Effect of Hybrid Water-Based Suspension of Al2O3 and Cu Nanoparticles on Three-Dimensional Double-Diffusive Natural Convection	Faizah A. AlMalki Exiting Effect of Tannin Nanoparticles (NP99) Combined with Tamoxefin on ER+ Breast Cancer Cells
12:30 - 13:00 09:30 -10:00	RIYADH GMT	BREAK	
13:00 - 14:00 10:00 -11:00	RIYADH GMT	Speaker Prof. Amr Abdel-Ghani The Use of Electron Microscope in the Examination of Materials and Nanomaterials	
14:00 - 14:10 11:00 -11:10	RIYADH GMT	BREAK	

DAY 2

8 MARCH 2022

TIME GMT= RIYADH- 3

Sessions		
	Session A	Session B
14:10 - 16:30 RIYADH 11:10 - 13:30 GMT	Materials sciences Chairman: Prof. Dr. Mazen Alshaaer +Dr. Hussein Alrobei ROOM 1	Materials and its applications Chairman: Prof. Moustafa Tawfik +Dr. Mahdy Elmahdy ROOM 2
14:10 - 14:30 RIYADH 11:10 - 11:30 GMT	Osama Kamal Hamza Dye effect on the critical micelle concentrations of some surfactants in aqueous solution at 298.15 K	Sarfraj Ahmed Applications of composites as a radar absorbing materials: An overview
14:30 - 14:50 RIYADH 11:30 - 11:50 GMT	Rizk Mostafa Shalaby Influence Of Zinc And Bismuth On The Microstructure And Physical Characteristics Of Sn-Sb Lead-Free Solder Bearing Alloys For Electronic Packaging Applications	Ayman Hussein Ahmed Mn ^{II} , Co ^{II} , Ni ^{II} , Cu ^{II} - Oxaloyldihydrazone Complexes: Structure, Morphology And Electrical Conductivity Investigation
14:50 - 15:10 RIYADH 11:50 - 12:10 GMT	Sofiene Helaili Elastic and viscoelastic behavior of composite plates reinforced with synthetic and natural fibers for civil and aerospace engineering applications	Rabab Mohammed Alkradawe Chemical and mineral analysis of some marine organisms waste and possibility of their management
15:10 - 15:30 RIYADH 12:10 - 12:30 GMT	Mohd Sajid Ali Newly synthesized poly(ionic liquid) functionalized silver nanoparticles stimulate unfolding but in contrary diminish thermal denaturation of human serum albumin	Khoulood Abid New Gold 2d- Mx2 Nanocomposite Based Chemical Sensor
15:30 - 15:50 RIYADH 12:30 - 12:50 GMT	Saud Alssaidy Flexible Microfluidic Device With Nonplanar Interdigitated Microelectrodes	Mohamad Awang Investigation into Properties of Polypropylene/Agricultural Waste and their Metal Oxide Hybrid Composites
15:50 - 16:30 RIYADH 12:50 - 13:30 GMT	BREAK	
16:30 - 17:30 RIYADH 13:30 - 14:30 GMT	Workshop Prof. Mohamed Zaky Advanced joining technologies of engineering materials: Friction Stir welding	
17:30 - 18:30 RIYADH 14:30 - 15:30 GMT	Keynote Speaker Prof. Dr. Joel S. Miller Organic-based Magnets: New Chemistry Physics and Materials for This Millennium	

TIME

DAY 3
9 MARCH 2022

GMT= RIYADH- 3

10:00 - 11:00 07:00 - 08:00	RIYADH GMT	Speaker Prof. Mazen Alshaaer Calcium phosphate materials and applications in bone regeneration	
11:00 - 12:00 08:00 - 09:00	RIYADH GMT	workshop Prof. Mohamed Zaky Microstrctural Charcateriztion Using Electron Back Scatteing Diffraction	
12:00 - 12:30 09:00 - 09:30	RIYADH GMT	BREAK	
Sessions			
12:30 - 14:00 09:30 - 11:00	RIYADH GMT	Session A	Session B
		Materials sciences Chairman: Dr. Yassine Riadi + Prof. Essam AbdelFattah ROOM 1	Materials and its applications Chairman: Prof. Mazen Alshaaer +Dr. Mahdy Elmahdy ROOM 2
12:30 - 12:50 09:30 -09:50	RIYADH GMT	Waseem Sharaf Saeed Poly(ethylene-co-vinyl alcohol) and Poly (ethylene-co-vinyl alcohol)/poly (δ -valerolactone) blend. Preparation, characterization and application as carrier in the in vitro aspirin delivery	Ghadah H Sheetah Smart Windows
12:50 - 13:10 09:50 -10:10	RIYADH GMT	Mohammed Aqeel Alyousef Green accelerated solvent extraction (ASE) with solvent and temperature effect and green UHPLC-DAD analysis of phenolics in pepper fruit (Capsicum annum L.)	RANDA ALFOTAWI The Use Of Biomaterials And Tissue Plasticity For Regeneration Of Bone Defect
13:10 - 13:30 10:10 -10:30	RIYADH GMT	Fatai Oladoyinbo Synthesis, Characterization and Clinical Studies of Antibactericidal Porous Core Shell Silver – Zinc Oxide Nanorod	Muhamad Nasir Nanostructure and Property of Photocatalytic Electrospun TiO2-ZnO-CoO/ cPVDF Nanofiber Composite
13:30 - 13:50 10:30 -10:50	RIYADH GMT	Farid I. El-Dossoki Thermodynamic Parameters of Solvation for Alkyl Benzyl Dimethyl and Cetyl Trimethyl Ammonium Chloride Surfactants in Alcoholic -Water Mixed Solvents	
13:50 - 14:00 10:50 -11:00	RIYADH GMT	BREAK	
14:00 - 14:30 11:00 - 11:30	RIYADH GMT	Closed Sessions	