



2nd International Conference on Materials Science and Nanotechnology

Paris, France | March 25-27, 2024

Day 1 (March 25, 2024)

08:30-09:30	Registrations in Main Hall
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:45	Title: Photoactivated Antimicrobial Carbon Dots and Their Property-Function Correlations
	Liju Yang , Department of Pharmaceutical Sciences, North Carolina Central University, Durham, North Carolina 27707, USA
10:45-11:30	Title: Down-conversion phosphors for LED and future generation solar cells
	S. J. Dhoble , Department of Physics, R.T.M. Nagpur University, Nagpur-440033, India
11:30-11:50	Refreshments Break@ Foyer
Keynote session	
11:50-12:25	Title: Prediction of Green Conversion of the Amorphous E-waste into Glassy Refractory mortar using Artificial neural network and response surface methodology
	Abadou Y , Civil Engineering Department, University of Djelfa, Algeria
12:25-12:55	Title: Compression and energy absorption behavior of microwave sintered medium entropy alloy reinforced Magnesium matrix composite foam
	Priyabrata Das , Department of Mechanical Engineering, IIT Delhi, New Delhi, India
12:55-13:55	Group Photo & Lunch Break
13:55-14:30	Title: Nanoparticles (NPs) Mathematical Modeling with Application in Drug Delivery
	Tahmineh Azizi , University of Wisconsin-Madison, MI, USA
14:30-15:05	Title: Spectroscopic investigations on Sm ³⁺ and Dy ³⁺ ions doped zinc tungstate borophosphate glasses
	B. Sudhakar Reddy , Department of Physics, Government College for Men(A), Kadapa-516004, Andhra Pradesh, India
Featured Talks	

15:20-15:45	Title: Role of slow and fast traps in positive bias stress instability and its threshold voltage dependence in solution-processed aluminium-doped indium oxide thin-film transistors
	Jung Hyun La , School of Electronics Engineering, 41566, Republic of Korea
15:45-16:05	Refreshments
	Break@ Foyer
16:05-16:30	Title: Enhanced electrical transport properties of room temperature deposited RF sputtered Al doped ZnO film owing to ultrathin Zn top layer
	Santanu Pal , School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata-32, India
16:30-16:55	Title: UV-VIS-NIR broadband photoreponse of n+-ZnO/n-Si isotype heterojunction with ultrahigh speed and >1000 Hz bandwidth in both reverse and self-bias conditions
	Sourav Mondal , School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata, India
Speaker Slots Available	
	
Day 2 (March 26, 2024)	
08:30-09:30	Registrations in Main Hall
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:45	Title: Analytical modeling occupies a special place in reliability physics predictive modeling in materials science and engineering
	Ephraim Suhir , Portland State University, United States
10:45-11:30	Title: Thermotropic ionic liquid crystals self-assembled single ion conductors for lithium batteries
	Bernard Laurent , CEA Grenoble, France
11:30-11:50	Refreshments Break@ Foyer
Keynote session	
11:50-12:25	Title: Joining of ceramic materials by brazing: Relations between wetting, reactivity and interface microstructure
	Fiqiri Hodaj , University of Grenoble Alpes, France
12:25-12:55	Title: Towards a more rational design of polymer-based coating of gold nanoparticles

	Roberta Cappabianca , Politecnico di Torino, Italy
12:55-13:55	Group Photo & Lunch Break
13:55-14:30	Title: Improving the reliability design of mechanical systems such as refrigerator Seongwoo Woo , Addis Ababa Science & Technology University, Ethiopia
14:30-15:05	Title: Probing chiral biomolecules based on a surface plasmon resonance sensor Maoyan Wang , University of Electronic Science and Technology of China, China
Featured Talks	
15:05-15:20	Title: Mechanism of ionic conduction in AgI-based superionic conducting glasses: A relation between charge carrier concentration and mobility of ions Masahiro Ikeda , National Institute of Technology, Japan
15:20-15:35	Break@ Foyer Refreshments
15:35-16:00	Title: Fume hazard during laser and hybrid welding of stainless steel Joanna Wycislik Sosnierz , Upper Silesian Institute of Technology, Poland
16:00-16:25	Title: Cotransport of heavy metals and suspended particles at different temperatures by seepage in porous materials Bai Bing , Beijing Jiaotong University, China
Speaker Slots Available	
	
Day 3 (March 27, 2024)	
Plenary session	
10:00-10:45	Title: Mutual charge transfer for superior Photocatalytic Efficacy for Bromoxynil Breakdown by MOF-Decorated Rod Shaped BiVO ₄ Heterostructures Raj Kishore Patel , Department of Chemistry, National Institute of Technology, Rourkela-769008, India
10:50-11:40	Title: Gas adsorption on Carbon Nano-Onions Ivan Padron Ramirez , Center for Studies Applied to Nuclear Development and Technology, Quba
11:40-12:00	Refreshment break
Keynote session	

	Title: Evolution of thermoluminescence materials for their applications in radiation dosimetry
12:00-12:35	Vibha Chopra , Department of Physics & Electronics, DAV College, Amritsar- 143001, Punjab, India
Featured Talks	
	Title: Yet to Receive
12:35-13:00	Ahmad Al Abdulqader , Saudi Aramco, Saudi Arabia
13:00-14:00	Lunch Break
Speaker Slots Available	
Note: This is a primary program slight changes may happen in the final program	