

5th Edition of
**WORLD
NANOTECHNOLOGY
CONFERENCE**

21-22
SEPT 2022



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DAY 01

WEDNESDAY, SEPTEMBER 21

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00 - 10:10		Introduction
10:10-10:50	11:10-11:50	Mario F. S. Ferreira, University of Aveiro, Portugal Title: Highly nonlinear nanowires and microstructured optical fibers
10:50-11:30	16:20-17:00	Subas Chandra Dinda, Teerthanker Mahaveer University, India Title: Paradigm of micro and nano-technology based formulation in targeted/controlled release drug delivery
11:30-12:10	17:00-17:40	M. H. Fulekar, Center of Research for Development, Parul University, India Title: Nanoremediation of wastewater using membrane filtration technology

ORAL PRESENTATIONS

12:10-12:30	20:10-20:30	Huan Li Zhou, Southeast University, China Title: Room-temperature valley exciton modulation by surface plasmon interference
12:30-12:50	20:30-20:50	Waqar Ahmed, Takasago i-Kohza, Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia Experimental study on heat transfer improvement in a circular passage using Metal Oxide and Ethylene Glycol based well stable nanofluids
12:50-13:10	20:50-21:10	Xiao-Mei Xue, Southeast University, China Title: A resonator based on silicon nitride waveguide for integrated optical gyroscope
13:10-13:30	18:40-19:00	Bhanu Pratap, Poornima Institute of Engineering & Technology, India Title: Thermogravimetric analysis of marble dust powder and hydroxyapatite filled restorative dental composites
13:30-13:50	19:00-19:20	Masudulla Khan, Botany Section, Women's College, Aligarh Muslim University, India Title: Biosynthesis of copper oxide nanoparticles (CuO-NPs) and their biological activity against plant pathogen
13:50-14:10	19:20-19:40	Boggarapu Nageswara Rao, Koneru Lakshmaiah Education Foundation, India Title: On the limitation of mixing Al_2O_3 nanoparticles to water for improving the performance of heat exchangers

14:10-14:30	19:40-20:00	Ganesh Gollavelli, Aditya Engineering College, JNTUK, India Title: Smart graphene for potable water technology
14:30-14:50	20:00-20:20	Ahila S Chidambaranathan, SRM Dental College, India Title: Applications of nanoparticles in prosthetic dentistry
14:50-15:10	19:20-19:40	Maryam Moosavifar, University of Maragheh, Iran Title: Synthesis and investigation of antibacterial behaviour and self-cleaning properties of hybrid nanocomposite $Zn_{1-x}Cu_xO$ (TiO_2)

KEYNOTE PRESENTATIONS

15:10-16:10	08:10-09:10	Sergey Suchkov, Institute for Global Health and Dept for Personalized Medicine & Precision Nutriciology Of MGUPP, Dept For Clinical Immunology of A.I Evdokimov MGMSY, Russia & New York Academy Of Sciences, United States Title: Antibody-proteases as translational tools of the next-step generation to be applied for clinical applications in personalized and precision medical practice
16:10-16:50	09:10-09:50	Hossein Hosseinkhani, Innovation Center for Advanced Technology, Matrix, Inc., United States Title: Artificial intelligence (AI) in biomedical engineering

ORAL PRESENTATIONS

16:50-17:10	19:50-20:10	Gunars Bajars, Institute of Solid State Physics, University of Latvia, Latvia Title: Development of nanostructured cathode materials for sodium ion batteries
17:10-17:30	19:10-19:30	Saurabh Awasthi, Adolphe Merkle Institute, University of Fribourg, Switzerland Title: Single-particle level characterization of protein aggregation
17:30-17:50	20:30-20:50	Kumarasamy Jayakumar, Volcanic Research Organization, Israel Title: Design and integration of oxide nanomaterials based on electrochemical CO_2 reduction
17:50-18:10	18:50-19:10	Souhail Dhouib, Higher Institute of Industrial Management, University of Sfax, Tunisia Title: Optimizing the holes drilling path problem via Dhouib-Matrix methods
18:10-18:30	19:10-19:30	Akinola R Popoola, Federal University of Agriculture, Abeokuta, FUNAAB, Nigeria Title: Control of wilt (<i>Fusarium oxysporium</i> f.sp <i>lycopersici</i>) of tomato (<i>Solanum lycopersicum</i> L.) using nanoparticles and nitrates of silver
18:30-18:55	18:30-18:55	Gbandjaba Nagba Yendoube, Université de Lomé, Lomé, Togo Title: Oxidative stress biomarkers measurement and Paraoxonase 1 status in Moroccan healthy, diabetic and hemodialysis subjects
18:55-19:15	19:55-20:15	Boudemagh Djalila, Ferhat Abbas University, Algeria Title: Impact of nanotechnology on the human health and environment

DAY 02

THURSDAY, SEPTEMBER 22

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00-10:40	11:00-11:40	Thomas J Webster, Hebei University of Technology, China Title: Can nano biomaterials save global warming ?
10:40-11:20	16:10-16:50	Patil Devidas Ramrao, Rani Laxmibai Mahavidyalaya, Parola, Jalgaon, India Title: Engineering of bulk and nanomaterials for smart sensing of gas, light and food freshness

POSTER PRESENTATIONS

11:20-11:30	14:20-14:30	Larissa A Maiorova, Ivanovo State University of Chemistry and Technology, Russian Federation Title: First nanoparticles of vitamin B ₁₂ derivatives
11:30-11:40	14:30-14:40	Oleksii Logvin, PE, Kharkiv, Ukraine Title: Development of an algorithm and a program for processing signals from the profilometric sensor
11:40-11:50	18:40-18:50	Brilliant Windy Khairunnisa, Khazar University, Azerbaijan Title: The future of nanotechnology in the international relations perspective
11:50-12:00	07:50-8:00	Carole Emilie Baddour, Wilkes University, United States Title: Towards the growth of carbon nanotubes inside cylindrical stainless steel geometries

ORAL PRESENTATIONS

12:00-12:20	20:00-20:20	Peilong Hong, University of Electronic Science and Technology of China, China Title: Toward manipulating light scattered by a single nanoparticle : A scattering eigenchannel analysis
12:20-12:40	20:20-20:40	Lina Fu, Huanghuai University, China Title: In situ preparation and characterization of bacterial cellulose/chitosan composites
12:40-13:00	20:40-21:00	Hao Wu, Shandong University, China Title: Adsorption energy tuning of metal-organic frameworks for improved Alkaline Ion batteries
13:00-13:20	18:30-18:50	Pooja Yadav, JNARDDC, India Title: Alumina based nanomaterials

13:20-13:40	18:50-19:10	Dedhila Devadathan, Sree Narayana College, University of Kerala, India Title: Metal oxide nanoparticles and nanocomposites as photocatalysts and adsorbents
13:40-14:00	19:30-19:50	Jessica Fernando, V. O. Chidambaram College, Thoothukudi, India Title: Dopamine sensor based on coreshell polyparaphenylene diamine/ titanium dioxide/ multiwalled carbon nanotube nanocomposite
14:00-14:20	19:50-20:10	Anil Ramdas Bari, Kavayitri Bahinabai Chaudhari North Maharashtra University, India Title: Nanocrystalline ZnO : Chemical Sensor
14:20-14:40	20:10-20:30	Shruti Taksali, IIIT, India Title: Evolution of Internet of NanoThings (IoNT) devices
14:40-15:00	20:30-20:50	J. Bagyalakshmi, Sri Ramakrishna Institute of Paramedical Sciences, India Title: Evaluation of antidiabetic activity of aqueous extract of bark of pterocarpus marsupium silver nanoparticles against streptozotocin and nicotinamide induced type 2 diabetes in rats
15:00-15:20	20:50-21:10	Sushil Kumar Upadhyay, MMEC, Maharishi Markandeshwar (Deemed to be University), India Title: Nanotechnology: Scopes in strategic combating of COVID-19 pandemic
15:20-15:40	20:20-20:40	Khan Kifayat, Quaid-E-Azam College of Pharmacy, Sahiwal, Punjab, Pakistan Title: Synthesis and characterization of β -cyclodextrin-co-poly (AMPS) nanomatrices. An impeccable approach in drug's solubility enhancement
15:40-16:00	18:40-19:00	Bashir Jarrar, Jerash University, Jordan Title: Potential risk of gold nanoparticles to human health

KEYNOTE PRESENTATIONS

16:00-16:40	19:00-19:40	Hai Feng Ji, Drexel University, United States Title: Red and black phosphorus nanomaterials
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ORAL PRESENTATIONS

16:40-17:00	18:40-19:00	Dorota Rogala-Wielgus, Gdansk University of Technology, Poland Title: Mechanical properties of coatings composed of several nanostructures deposited on Ti and Ti ₃ Nb ₁₃ Zr alloy
17:00-17:20	18:00-18:20	Mastura A Efthema, Lancaster University, United Kingdom Title: Various conditions to control the conductance for the semiconductors
17:20-17:40	18:20-18:40	Stephanie Andrade, University of Porto, Portugal Title: Transferrin-modified nanoparticles for Alzheimer's disease therapy with natural compounds
17:40-18:00	13:40-14:00	Jennifer Khirallah, Tufts University, United States Title: In vivo CRISPR base editing of Angptl3 via lipid nanoparticle delivery
18:00-18:20	19:00-19:20	Lazhar Hajji, University of Al Manar Tunis, Tunisia Title: Needs of Ruthenium complexes as anticancer drugs

UPCOMING CONFERENCES

6th Edition of
World Nanotechnology Conference

April 24 -26, 2023 | Orlando, Florida, USA
<https://worldnanotechnologyconference.com/>

7th Edition of
World Nanotechnology Conference

September 2023 | Hybrid Event
<https://nanotechnology.magnusconferences.com/>

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