

Publishing Partner



CONFERENCE
PROGRAM

24-25 APRIL, 2023
ORLANDO, FLORIDA, USA

6TH EDITION OF WORLD
**NANOTECHNOLOGY
CONFERENCE**



IN-PERSON

Hilton Garden Inn Lake Buena Vista/
Orlando 11400 Marbella Palm Ct,
Orlando, FL 32836, United States



VIRTUAL

Eastern Time
(US & Canada)

Contact us:

Ph: 1 (702) 988-2320 | Whatsapp: +1 (779) 429 2143
e-mail: nanotechnology@magnusconference.com

6th Edition of WORLD NANOTECHNOLOGY CONFERENCE

APRIL 24-25, 2023

DAY 01

Monday, April 24
(In-person & Virtual)

08:00-08:50

Registrations

08:50-09:00

Opening Ceremony and
Introduction

09:00-11:00

In-Person Keynote Presentations

11:20-14:40

In-Person Oral Presentations

14:40-16:00

Virtual Oral Presentations

16:20-16:50

In-Person Poster Presentations

DAY 02

Tuesday, April 25
(Complete Virtual)

09:00-11:40

Virtual Keynote Presentations

11:40-14:30

Virtual Oral Presentations

14:30-15:10

Virtual Poster Presentations

15:10-18:50

Virtual Oral Presentations

18:50-20:10

Virtual Keynote Presentations

IN-PERSON

VIRTUAL

Day 01 Break Timings

11:00-11:20 Coffee Break

13:00-13:40 Lunch Break

16:00-16:20 Coffee Break

Important Note

- The program schedule follows the EDT time zone. Virtual presenters are kindly advised to adjust the timing of the program according to their own local time zone.
- Slight changes in Program may arise due to technical issues or no shows, presenters are requested to stay available on the entire day of presentation.

DAY 01

6th Edition of WORLD NANOTECHNOLOGY CONFERENCE

APRIL 24-25, 2023

KEYNOTE PRESENTATIONS

EDT Time Zone

@Magnolia Room

08:00-08:50 | Registrations

08:50-09:00 | Opening Ceremony and Introduction

Moderator:

Shubhangi Shukla, North Carolina State University, United States

09:00-09:40 In-Person

Thierry Meyer

Ecole Polytechnique Federale
de Lausanne, Switzerland

Title: 13 years of managing the safety of nanomaterials in research laboratories

09:40-10:20 In-Person

Thomas J Webster

Hebei University of Technology,
China

Title: Improving human health in the clinic: Human nanomedicine

10:20-11:00 In-Person

Tetsuya Yamamoto

Kochi University of Technology,
Japan

Title: Materials design of wide-band gap oxide semiconductors

Group Photo

11:00-11:20 | Coffee Break @Foyer

ORAL PRESENTATIONS

Chairs:

Tetsuya Yamamoto, Kochi University of Technology, Japan

11:20-11:40 In-Person

Barbara Damasceno

Rice University, United States

Title: Fabrication of flash graphene-enhanced gan for surface acoustic waves biosensor applications

11:40-12:00 In-Person

Yongqiang Wang

Los Alamos National Laboratory,
United States

Title: Helium irradiation damage effects in nanostructured materials



EDT Time Zone

12:00-12:20 In-Person

Shubhangi Shukla
North Carolina State University,
United States

Title: Square wave voltammetric approach to leptin immunosensing and optimization of driving parameters with chemometrics

12:20-12:40 In-Person

Dar Bin Shieh
National Cheng Kung University,
Taiwan

Title: Iron containing nanoparticles in ultrafast diagnostics and anti-cancer strategies through modulation of tumor microenvironment and ferroptotic cell death

12:40-13:00 In-Person

Safia Abdullah R Alharbi
University of Louisville,
United States

Title: Design 2D SiC/GeC lateral polar heterostructures for nanotechnology devices

13:00-13:40 | Lunch Break @Citrus Room

13:40-14:00 In-Person

John Bang
North Carolina Central
University, United States

Title: Effects of copper nanoparticle-induced reactive oxygen species and carbon nanodots on amyloid beta protein aggregation: Relevance in neurodegenerative diseases

14:00-14:20 In-Person

Chunlei Wang
Florida International University,
United States

Title: Bipolar electrochemistry produced graphene for micro supercapacitor

14:20-14:40 In-Person

Alaa Saed Abdelmagid Zailouk
Ministry of Tourism and
Antiquities, Egypt

Title: Nanotechnology in the maintenance of artifacts

14:40-15:00 Virtual

Sadia Afrin Khan
Food and Drug Administration,
United States

Title: Characterization of nanoparticles in silicon dioxide food additives

15:00-15:20 Virtual

Delia Teresa Sponza
Dokuz Eylul University, Turkey

Title: Hematite dysprosium oxide ($\text{Fe}_2\text{O}_3\text{-Dy}_2\text{O}_3$) nanocomposites for antibiotic and microorganism removals from surface water

15:20-15:40 Virtual

Sikirat Kehinde Sheu
University of York,
United Kingdom

Title: Gold nanoparticles as an efficient adsorbent for the removal of heavy metals from aqueous solution



15:40-16:00

Virtual

Ines Belhaj
University of Lisbon, Portugal

Title: Improved borohydride oxidation kinetics on Au-based MOFs and their suitability as anodes for borohydride fuel cells

16:00-16:20 | Coffee Break @Foyer

(16:20-16:50) POSTER PRESENTATIONS

P1

In-Person

Srivalli Mukkavilli
North Carolina Central
University, United States

Title: Effects of particulate matter-induced reactive oxygen species and carbon nanodots on amyloid beta protein aggregation: Relevance in neurodegenerative diseases

P2

In-Person

Zuzana Chaloupkova
Czech Advanced Technology and
Research Institute,
Czech Republic

Title: Detection of graphene oxide in single HeLa cells based on MCR-Raman spectroscopy

P3

In-Person

Sarka Hradilova
Czech Advanced Technology and
Research Institute,
Czech Republic

Title: Toxicity of modified pedot thin films

P4

In-Person

Ludmila Zarska
Czech Advanced Technology and
Research Institute,
Czech Republic

Title: Novel 2D carbon based nanoplatfoms for targeted drug delivery

P5

In-Person

Chika Scholastica Ezeayanaso
National Agency for Science
and Engineering Infrastructure,
Nigeria

Title: Effects of erbium nanoparticles on luminescence properties of amorphous nano silicate borotellurite glasses

End of Day 1

DAY 02

6th Edition of

WORLD NANOTECHNOLOGY CONFERENCE

COMPLETE VIRTUAL

APRIL 24-25, 2023

KEYNOTE PRESENTATIONS

EDT Time Zone

08:30-09:00 | AV Check

Moderators:

Laura Elena Muresan, Babes-Bolyai University, Romania

Sikirat Kehinde Sheu, University of York, United Kingdom

09:00-09:40

Virtual

Marilena Carbone

University of Rome "Tor Vergata",
Italy

Title: ZnO nanoparticles: Eco-friendly Synthesis, Functionalizations and applications

09:40-10:20

Virtual

Xiao Hong Nancy Xu

Old Dominion University,
United States

Title: New nanobiotechnology for real-time imaging of single live cells

10:20-11:00

Virtual

Purushottam Chakraborty

Saha Institute of Nuclear Physics,
India

Title: Metal quantum-dots in glasses for nanophotonics

11:00-11:40

Virtual

Subas Chandra Dinda

The Neotia University, India

Title: Nano-technology based formulations: A revolution in drug targeting

ORAL PRESENTATIONS

Chairs:

Purushottam Chakraborty, Saha Institute of Nuclear Physics, India

Vladimir Chigrinov, The Hong Kong University of Science and Technology, Hong Kong

11:40-12:00

Virtual

Raymond C Jagessar

University of Guyana, Guyana

Title: Nanotechnology in medicine

12:00-12:20

Virtual

Ishika Nag

Seminole State College,
United States

Title: Development of an engineered face mask with optimized nanoparticle layering for filtration of air pollutants and viral pathogens

EDT Time Zone



12:20-12:40

Virtual

Sungwook Jung
Harvard Medical School,
United States

Title: Ectopic high endothelial venule-targeted nanodelivery for type 1 diabetes

12:40-13:00

Virtual

Oliwia Metryka
University of Silesia, Poland

Title: Impact of metallic nanoparticles on the regulation of antioxidant gene expression in escherichia coli, bacillus cereus and staphylococcus epidermidis strains

13:00-13:20

Virtual

Alvard Ter Karapetyan
Vardanants Center for Innovative
Medicine, Armenia

Title: Towards quantitative perfusion MRI of the lung in COPD: The problem of short-term repeatability

13:20-13:40

Virtual

Michael Tribelsky
Lomonosov Moscow State
University, Russian Federation

Title: New effects at resonant light scattering by nanoparticles

13:40-14:00

Virtual

Abhishek Ranade
Indian Institute of Science, India

Title: Flexible hydrogen leak detectors

14:00-14:30

Virtual

**Presenter 1: Mounamukhar
Bhattacharjee**
ICMR Headquarters, India
Presenter 2: Lopamudra Roy
Apeejay Styra University, India

Title: A comparative safety and efficacy study on patients with acute uncomplicated bacterial tonsillitis: Co-amoxiclav, cefpodoximeproxetil, and levofloxacin

POSTER PRESENTATIONS

14:30-14:40

Virtual

Chukwudi S Ubah
East Carolina University,
United States

Title: Addressing hospital associated infections with novel nano-antimicrobial

14:40-14:50

Virtual

Nina Ivanova
Institute of Dermatology and
Venerology of National Medical
Science of Ukraine, Ukraine

Title: Experimental using of the liposomal ciprofloxacin for the treatment of chlamydia





14:50-15:00 Virtual

Noor Basfar
Umm Al Qura University,
Saudi Arabia

Title: Investigastion of dielectric, optical properties and photocatalytic of Mg-Zn nanoferrites substituted by Cu⁺²

15:00-15:10 Virtual

Yakov Verkhivker
Odessa National University of
Technology, Ukraine

Title: Use of nanotechnologies in the production of canned ketchup and sauces

ORAL PRESENTATIONS

15:10-15:30 Virtual

Shubhangi
Indian Institute of Technology
(IIT BHU), India

Title: Syntheses of substrate-assisted MOFs with tunable characteristics for use as biological applications platforms

15:30-15:50 Virtual

Raymond C Jagessar
University of Guyana, Guyana

Title: Nanotechnology and nanomaterials

15:50-16:10 Virtual

Laura Elena Muresan
Babes-Bolyai University, Romania

Title: Effect of Cu²⁺ on the optical properties of zinc oxide-based phosphors prepared in different synthesis conditions

16:10-16:30 Virtual

Liudmila Boldyreva
National Research Nuclear
University, Russian Federation

Title: The physical process determining the action of some metal nanoparticles on DNA and RNA of biological system

16:30-16:50 Virtual

Omolola Esther Fayemi
North-West University,
South Africa

Title: Harnessing Fe₃O₄ nano-sensor for detecting epinephrine in buff orpington rooster and Rhodes Island white broiler

16:50-17:10 Virtual

Sara Assi
American University of Beirut,
Lebanon

Title: Atypical retinoid ST1926 nanoparticle formulation development and therapeutic potential in colorectal cancer

17:10-17:30 Virtual

Sharda Sundaram Sanjay
Ewing Christian College, India

Title: Nanotechnology's useful applications in the food industry





17:30-17:50

Virtual

Gunadhor Singh Okram
UGC-DAE Consortium for
Scientific Research, India

Title: Unconventional quasiparticle dynamics in nickel nanoparticles

17:50-18:10

Virtual

Arun Kumar Singh
Guru Ghasidas Vishwavidyalaya,
India

Title: MoS₂ nanosheets induced self-assembled Poly(3-Hexylthiophene) thin films for high- performance electronic devices

18:10-18:30

Virtual

Rehana Badar
The University of Lahore,
Pakistan

Title: Anti-fungal efficacy of ZnO nanoparticles against ustilago tritici

18:30-18:50

Virtual

Alka Sharma
University of Rajasthan, India

Title: Innovations in nanostructured materials for eco-remediation and sustainability

KEYNOTE PRESENTATIONS

18:50-19:30

Virtual

Vladimir Chigrinov
The Hong Kong University of
Science and Technology,
Hong Kong

Title: Photoalignment and photopatterning nanosize azodye layers for new liquid crystal devices

19:30-20:10

Virtual

Juntian Qu
Tsinghua University, China

Title: In-situ opto-electro-mechanical characterization of semiconductor nanowire using SEM-based nanomanipulation technique



*We wish to meet you again at our
upcoming events...*



Questions? Contact

+1 (702) 988-2320 or
nanotechnology@magnusconference.com