

VIRTUAL EVENT

FINAL PROGRAM



2nd Edition of **World Nanotechnology Conference**

April 19-20, 2021 | 12:00-19:00 GMT

| **Website:** <https://worldnanotechnologyconference.com/>

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GMT Timings Local Timings

12:00-12:10 12:00-12:10 **Opening Ceremony**

Keynote Presentations

12:10-12:50 14:10-14:50 Title: Nanomaterials: New trends for preserving architectural heritage materials

Marcos Lanzon, Polytechnic University of Cartagena, Spain

12:50-13:30 08:50-09:30 Title: Carbon nanotubes and its application in Nanotechnology

Raymond Jagessar, University of Guyana, South America

13:30-14:10 22:30-23:10 Title: Nanoparticles joining in smart additive manufacturing, design & evaluation

Soshu Kiriara, Osaka University, Japan

14:10-14:50 22:10-22:50 Title: No more laundry?

Liqiu Wang, The University of Hong Kong, Hongkong

14:50-15:30 17:50-18:30 Title: Electrical behavior of the composite materials with polymer matrix/metal powders

Doina Elena Gavrilă, University "Politehnica" Bucharest, Romania

Oral Presentations

15:30-15:50 11:30-11:50 Title: Characterization of nanoparticles in Silicon dioxide food additives

Sadia Afrin Khan, US Food and Drug Administration, USA

15:50-16:10 11:50-12:10 Title: Desalination via photothermal thin films

Donglu Shi, University of Cincinnati, USA

16:10-16:30 18:10-18:30 Title: Inertial clocks and remote non-simultaneity

Robert Buenker, University of Wuppertal, Germany

16:30-16:50	18:30-18:50	Title: Fabrication of a resonant waveguide grating (RWG) with a single-step TiO ₂ sol-gel technological approach on planar and non-conventional substrate (tube) <i>Maria Usuga, Jean Monnet University, France</i>
16:50-17:10	18:50-19:10	Title: Fabrication of Si-based dielectric resonators: Combining etaloning with Mie resonances <i>Mario Khoury, Institut Matériaux Microélectronique Nanosciences de Provence, France</i>
17:10-17:30	13:10-13:30	Title: Targeting receptor heterogeneity using molecular targeted photochemical-nanoplatfrom <i>Shazia Bano, Harvard Medical School, USA</i>
17:30-17:50	23:00-23:20	Title: Synthesis and characterization of semicarbazide based U(VI) complexes and their application in electrochemical sensors <i>Chandra Mohan, K. R. Mangalam University, India</i>
17:50-18:10	23: 20-23:40	Title: Unprecedented redox scavenging signature along with antioxidant action of silver nanoparticle coupled with andrographispaniculata(AP-Ag NP) against carbon tetrachloride (CCl ₄) induced toxicity in mice <i>Soumendra Darbar, Jadavpur University, India</i>
18:10-18:30	19:10-19:30	Title: Chitosan-olive oil microparticles for phenylethyl isothiocyanate delivery <i>Ezequiel Coscueta, Universidade Católica Portuguesa, Portugal</i>
18:30-18:50	21:30-21:50	Title: The role of nanotechnologies in hydrocarbon energy <i>Khavkin Aleksander, UdsU and Russian State University of Oil and Gas, Russia</i>

GMT Timings Local Timings

Keynote Presentations

12:00-12:40	17:30-18:10	Title: Nanostructures as sustainable energy materials in PEC solar cells Meera Ramrakhiani, Rani Durgavati University, India
12:40-13:20	08:40-09:20	Title: Hello implantable nanosensors: Goodbye old-fashion hospitals Thomas Webster, Northeastern University, USA
13:20-14:00	15:20-16:00	Title: Carbon-nanotube-supported pyrolytic carbon micro/nano-cones Germercy Paredes Guerrero, Pontificia Universidad Católica Madre y Maestra, France
14:00-14:40	16:00-16:40	Title: Nano-structuring of polymer blends at the interface driven by topology Giuseppe Pellicane, UKZN And Universita' Degli Studi Di Messina, South Africa

Oral Presentations

14:40-15:00	08:40-09:00	Title: Enhanced visible light photocatalysis by BN-TiO ₂ nanocomposites for pharmaceutical degradation and wastewater treatment Huiyao Wang, New Mexico State University, United States
15:00-15:20	17:00-17:20	Title: Synthesis of micro-nanostructured TiN thin film from a TiO ₂ sol-gel Arnaud Valour, Jean Monnet University, France
15:20-15:40	20:50-21:10	Title: Agrinotechnology : An instrumental act for global food and nutritional security T.N.V.K.V.Prasad, Acharya N G Ranga Agricultural University, India
15:40-16:00	21:10-21:30	Title: Preparation of invasomes-A novel carrier for drug delivery Abbaraju Krishna Sailaja, RBVRR Women's College of Pharmacy, India

16:00-16:20	20:00-20:20	Title: How to achieve vertically aligned AZO nanorods array by chemical bath deposition Lamya Al Farsi, Sultan Qaboos University, Oman
16:20-16:40	19:20-19:40	Title: Reliability design of mechanical systems subjected to repetitive stresses Seongwoo Woo, Addis Ababa Science & Technology University, Ethiopia
16:40-17:00	22:10-22:30	Title: TBA Anita S Ethiraj, VIT- AP University, India
17:00-17:20	22:30-22:50	Title: TBA Ginil Mon, Nesamony Memorial Christian College, India
17:20-17:40	20:20-20:40	Title: Magneto-impedance behavior of soft ferromagnetic microwires at Ghz-frequency for the application of high-performance magnetic sensory devices Syed Ali Junaid Alam, National University of Science and Technology MISiS, Russia
17:40-18:00	18:40-19:00	Title: Thriving narrow band gap ferroelectric oxides for photovoltaic applications Fábio Figueiras, Instituto de Nanociência e Nanotecnologia, Portugal

Poster Presentation

18:00-18:10	15:00-15:10	Title: GABA-functionalized carbon nanotubes to improve compatibility, dispersion and mechanical properties of PHBV nanocomposites Thais Larissa do Amaral Montanheiro, Aeronautics Institute of Technology, Brazil
18:10-18:20	20:10-20:20	Title: Influence of electrospinning methods on characteristics of nanofibres essential for biological applications Karel Havlicek, Technical University of Liberec, Czech Republic

18:20-18:30 20:20-20:30 Title: Development of conductive nanomaterials for biotechnology applications

Magda Nechanicka, Technical University of Liberec, Czech Republic

18:30-18:40 21:30-21:40 Title: Adverse reactions combination therapy MDR-TB using Bedaquiline

Elena Ershova, Khanty-Mansiysk clinical TB dispensary, Russian Federation

QUERIES? CONTACT

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