



International E-Conference on

ADVANCED MATERIALS SCIENCE

AND GRAPHENE NANOTECHNOLOGY

November 25-26, 2020 | Webinar

Theme:
*Advanced Materials Science for
Innovations in Technology*

CPD Accredited



Organizing Members



Prof. Alexander Soldatov,
Professor, Southern Federal university, Russia



Prof. Osman ADIGUZEL,
Firat University, Department of Physics, Elazig, Turkey

Day 1 | November 25, 2020

06:00-16:00 London Time



Moderator

Dr. Dounya BARRIT, Head of Perovskite and Novel Photovoltaic Technologies Group, Morocco



Moderator

Mr. John Surendran, International Scientific Coordinator, United Research Forum, London, UK

06:00-06:10

Opening Session



Keynote

Title: Nanocomposites for X-ray Photodynamic Therapy of Deep Tumor Tissues

Prof. Alexander Soldatov, Southern Federal university, Russia

06:10-06:55



Keynote

Title: Nano Materials for Gas Sensing Applications

Prof. K Venkateswara Rao, JNTUH, India

06:55-07:25



Oral

Title: Upconverting Nanoparticles for Biological Applications

Dr. Seyed Mostafa Hosseinpour Mashkani, University of Technology Sydney, Australia

07:25-07:55



Oral

Title: Development of Highly Sensitive Room Temperature Gas Sensor using rGO-ZnO Nanohybrid

Dr. Sunipa Roy, GuruNanak Institute of Technology, India

07:55-08:25



Keynote

Title: The Structure Of The Tendinous Cords Of Mitral And Tricuspid Heart Valves In Fetuses In Norm

Prof. Fedoniuk L.Ya, Ukraine

08:25-09:10



Keynote

Title: Recent Trends In Advanced Materials For Engineering Thermoplastic Applications

Dr. Girish M. Joshi, Institute of Chemical Technology, India

09:10-09:55



Oral

Title: Roadmap of Two-Dimensional Material for Single Atom Switches, Memristors and Neuromorphic Device

Dr. Nikam, Researcher at POSTECH, South Korea

09:55-10:25



Poster

Title: Assessing Electrical Properties Of Novel Pani/Acrylic Composites For 3d Printing

Miss. Goretti Arias Ferreiro, Universidade da Coruña, Spain

10:25-10:45

Refreshment Break 10:45-11:00



Keynote

Title: Atomic-Scale Surface Characterization and Modification of Semiconductor Nanowire Devices

Dr. Rainer Timm, Lund University, Sweden

11:00-11:45



Keynote

Title: Nanotechnology Applications For Sustainable Agriculture

Dr. Nagaraja Suryadevara, MAHSA University, Malaysia

11:45-12:30



Oral

Title: Microbial Nanotechnology: Potential Tool for Environmental and Energy

Dr. Uddandara Priyanka, National University of Ireland, Republic of Ireland

12:30-13:00



Oral

Title: In Situ Tem Investigation of Compound Nanowire Growth

Dr. Carina Babu Maliakkal, Lund University, Sweden

13:00-13:30



Oral

Title: Anticancer Activity of Au/ Chitosan core/Shell Nanoparticles Against Hep-G2

Dr. S. Selvarani, Thiagarajar College, India

13:30-14:00



Poster

Title: Effects of Titanium Dioxide Nanoparticles on the Wet Foams Produced by Ionic Surfactants: A Study on Air-Liquid Interfacial Properties

Miss. Farzaneh Hajirasouliha, Northumbria University, United Kingdom

14:00-14:20



Poster

Title: Structural Properties of Aluminum Doped with Zinc Oxide (ZnO) Nanoparticle Theoretical study by Gaussian 09 program

Dr. Israa Hadi Hilal, physics chemical, Iraq

14:20-14:40



Offline

Title: Design, Implementation and Evaluation of VIS and NIR Tunable Photonic Filters

Mr. Dario Mastrippolito, University of L'Aquila, Italy

14:40-15:00



Oral

Title: $\mathbb{A}E$ Sphere

Professor Jaynstein, CEO & Chief Design $\mathbb{A}E$ Research In Jaynstein LLC, USA

15:00-15:30



Offline

Title: Laser Annealing Carbons

Prof. Randy Vander Wal, Penn State University, USA

15:30-15:50

15:50-16:00

Closing Session

End of Day 1

Day 2 | November 26, 2020

05:00-15:45 London Time



Keynote

Title: Advanced Nanomaterial for Aerospace Applications

Dr. Alexander V. Frolov, Russia

05:00-05:45



Keynote

Title: The Future of Smart Glasses (Windows) Using Nanotechnology

Dr. V. Hariharan, Mahendra Arts and Science College, India

05:45-06:30



Keynote

Title: Shape Recovery and Lattice Twinning-Detwinning Reactions Governing Reversibility in Shape Memory Alloys

Prof. Osman Adiguzel, Firat University, Turkey

06:30-07:45



Oral

Title: Tribological And Pharma Utilities of Nano Crystals and Nnao Particles

Dr. Senthil Kannan, Edayathangudy G S Pillay Arts and Science College, India

07:45-08:15



Keynote

Title: The market perspective of nanomaterials in the energy storage segment

Dr. V.R. Gedela, Co-founder and CTO of Nanospan India Pvt.Ltd, India

08:15-09:00



09:00-09:30

Oral

Title: In situ Investigation of Lead Iodide Formation and the Influence of Cations on the Two-Step Hybrid Perovskite Solar Cells

Dr. Dounya BARRIT, Head of Perovskite and Novel Photovoltaic Technologies Group, Morocco

Refreshment Break 09:30 -09:45



09:45-10:15

Oral

Title: GeSn Photodiode with Graded Sn Profile

Dr. Patrik Scajev, Vilnius University, Lithuania



10:15-10:45

Oral

Title: Electronic and Polaronic Properties in Graphene Doped with BN Under Weak Coupling

Miss. Ngoufack Guimapi Drugile Cornesse, University of Dschang Cameroon, Algeria



10:45-11:15

Oral

Title: Preparation of Nanostructured ZnO Powder and its use as a Thick Film Chemical Sensor

Prof. Anil Ramdas Bari, India



11:15-11:45

Oral

Title: Nano Fabrics: Smart Wound Healing Bandages With Antimicrobial Properties

Dr. M. Maghimaa, Dept. of Microbiology, Muthayammal College of Arts and Science, Rasipuram, Tamilnadu, India



oral

Title: Functionalization of Graphene Oxide Sheets with Magnetite Nanoparticles for the Adsorption of Copper Ions and Investigation of its Potential Catalytic Activity Toward the Homocoupling of Alkynes Under Green Conditions

Mr. Laroussi chaabane, Claude Bernard university, France

11:45-12:15



Oral

Title: Silver Nanoparticles and SK-mel-28 Cancer

Shweta Rajawat, MANIT University, India

12:15-12:45



Oral

Title: Synthesis of Nanostructured ZnO and its Applications for Gas Sensing and Photodegradation of Dyes

Dr. Neha Verma, Department of physics, KRM DAV College, India

12:45-13:15



Oral

Title: Direct Investigation of Exciton-Phonon Coupling in 2D MoS₂ via Controlled Thermal Annealing

Mr. Luz Esther Gonzalez Reyes, Universidad del valle, Columbia

13:15-13:45



Poster

Title: Graphitization Behavior of Graphene-novolac Carbon- Carbon Composites

Miss. Sandra Ike, The Pennsylvania State University, USA

13:45-14:05

14:05-14:10

Closing Session

End of Day 2



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CONFERENCE ON JULY 19-20, 2021

International Conference on
ADVANCED MATERIALS SCIENCE AND GRAPHENE NANOTECHNOLOGY

VENUE



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