

Scientific Program

ONLINE CONFERENCE ON CHEMISTRY AND NANOSCIENCE

January 25-26, 2021

Theme: *Scientific Research Approaches in Chemical and Nano Science*

Organizing Members



Dr. Chi-Yu Hu

Department of
Physics and Astronomy,
California State University, Long Beach.
CA, U.S.A



Dr. Osman Adiguzel

Firat University,
Department of Physics,
Elazig, Turkey



Dr. Vasily Lutsyk

Institute of Physical Materials Science
SB RAS, Ulan-Ude,
Russia

DAY-01 | January 25,2021

09:30 -16:10 GMT Time

Moderator

International Scientific Coordinator, Inovine Conferences

9:30 to 9:40



Keynote

Title: Computer Models of Phase Diagrams for the Ternary & Quaternary Systems as a Novel Tool in Materials Science

Dr.Vasily Lutsyk

Institute of Physical Materials Science SB RAS, Ulan-Ude,
Russia

09:40 to 10:20



OCM

Title: Crystallographic Analysis of Structural Phase Transformations in Shape Memory Alloys

Dr. Osman Adiguzel

Firat University, Department of Physics, Elazig, Turkey

10:20 to 11:00



Speaker

Title: Designing Covalent Organic Frameworks for Photocatalytic Applications

Dr. Ruben Mas-Ballesté

Inorganic Chemistry Department, Universidad Autonoma de Madrid
Spain

11:00 to 11:25



Speaker

Title: Fancy shaped gold nanostructures for application in anticancer photo- and protonotherapy

Dr. Joanna Depciuch

Institute of Nuclear Physics, Polish Academy of Science, 31342 Krakow,
Poland

11:25 to 11:50



Speaker

Title: The Dilemma of Nanoparticles in Polymers

Dr. Geoffrey Mitchell

Centre for Rapid and Sustainable Product Development,
Polytechnic of Leiria, Marinha Grande Portugal

11:50 to 12:15

Health Break



Speaker

Title: Biological properties and perspective applications of “Bio-neuter” chemicals?

Dr. Abdelaziz Ghanemi

Department of Pharmacy, Faculty of Medicine, Mentouri-Constantine University,
Constantine 25000, Algeria

12:25 to 12:50



Speaker

Title: Pt-based and Pt-free nanoparticles for catalytic application in fuel cells

Dr. Magdalena Parlinska-Wojtan

Institute of Nuclear Physics, Polish Academy of Science, 31342 Krakow,
Poland

12:50 to 13:15



Keynote

Title: Carbon nanotubes embedded natural fiber composite materials for damage monitoring

Dr. Vijaya Chalivendra

Professor in Mechanical Engineering, University of Massachusetts Dartmouth
North Dartmouth, MA 02747

13:15 to 13:55

Health Break



Keynote

Title: Nature's Pick-Up Resonances and Their Simple Physical Formation Mechanism – The Universal Stark-Effect

Dr. Chi-Yu Hu

Department of Physics and Astronomy
California State University, Long Beach, CA, U.S.A.

14:05 to 14:45



Speaker

Title: X-ray Nanochemistry: Current Status and Future Directions

Dr. Ting Guo

Department of Chemistry, University of California,
Davis, CA 95616

14:45 to 15:15



Speaker

Title: Analytical approaches and recent progress in the characterization of nanoparticles in biological samples

Dr. Ciprian Mihai Cirtiu

Centre de toxicologie du Quebec,
Canada

15:15 to 15:45



Speaker

Title: Synthesis and Characterization of Calcium Phosphate Nanoparticles and Effect of the Agitation Type on Particles Morphology

Dr. Ricardo Hugo Lira Saldivar

Centro de Investigación en Química Aplicada,
Mexico

15:45 to 16:10

16:10-16:15

Closing Session

End of Day 1

DAY-02 | January 26,2021

07:50 -14:00 GMT Time

Moderator

International Scientific Coordinator, Inovine Conferences

7:50 to 8:00



Keynote

Title: Preparation of Nanostructured ZnO Powder and its use as a thick film chemical sensor

Dr. Anil Ramdas Bari

Department of Physics, Arts, Commerce and Science College,
Bodwad, 425 310, Maharashtra, India

08:00 to 08:40



Speaker

Title: Large-scale computer simulations about the stability and adhesion of metal-organic interfaces

Dr. Shuji OGATA

Nagoya Institute of Technology, Japan

08:40 to 09:05



Speaker

Title: Engineering at the Nanoscale: A Strategy for Developing High Performance Functional Materials

Dr. Sabu Thomas

Vice-Chancellor and Professor,
Mahatma Gandhi University,India

09:05 to 09:30



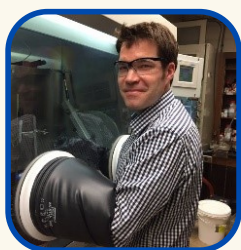
Speaker

Title: Comparison of Medicinally Important Natural Products Versus Synthetic, Drugs-a Short Commentary

Dr. Bushra Nisar

Department of Chemistry, The University of Lahore,
Sargodha campus, Sargodha 40100, Pakistan

09:30 to 09:55



Keynote

Title: Adventures in Hydrophosphination Catalysis

Dr. Rory Waterman

University of Vermont, Department of Chemistry,
Burlington, VT 05405, USA

09:55 to 10:35

Health Break



Keynote

Title: Two-dimensional Material Nanostripe Array Films Consisting of Self-Assembled Quantum Dots Formed by Simply Rubbing

Dr. Gagik Shmavonyan

National Polytechnic University of Armenia, Department of Microelectronics and Biomedical devices

10:45 to 11:25



Speaker

Title:

Dr. Iva Rezic

11:25 to 11:50



Speaker

Title: Rheological behavior of olive oil used as biodegradable lubricant

Dr. Ioana Stanciu

University of Bucharest, Faculty of Chemistry

11:50 to 12:15



Speaker

Title: Ultra high field-induced strain in lead-free ferroelectric ceramics including polar nano regions.

Dr. Haixue Yan

School of Engineering and Materials Science,
Queen Mary University of London

12:15 to 12:45



Keynote

Title: Ceramic Nanofibers with Enhanced Properties for Energy and Environmental Applications

Dr. Wolfgang Sigmund

Professor,

Editor-in-Chief Critical Reviews in Solid State and Materials Sciences

12:45 to 13:25



Speaker

Title: Poly(Sugar Acids): Natural Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid], its Synthetic Analogues and their Anticancer Efficacy

Dr. Vakhtang Barbakadze

Tbilisi State Medical University Institute of Pharmacochemistry

13:25 to 13:50

13:50-16:00

Closing Session

End of Day 2