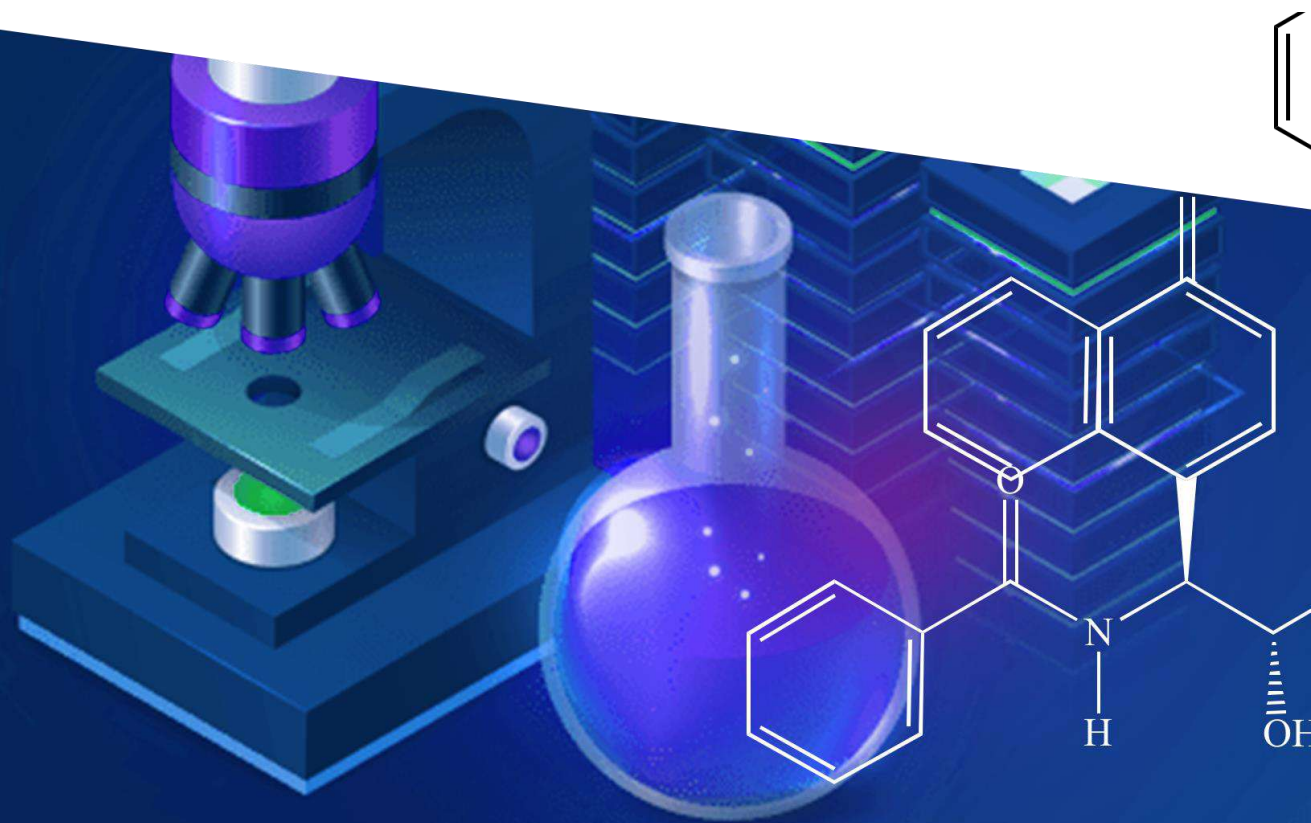


2nd Global Virtual Summit on Advances in Materials, Physics and Chemistry Science

18th & 19th February, 2021

Theme : Materials Science for better Future



Day 1, February 18, 2021

09:00 – 09:30 Open Speech

Keynote Sessions

09:30 - 10:00



Fernando Mendes

Coimbra Health School, Portugal

"Influence of reticulation in galactomannan of Adenanthera pavonine L. on Structural, Physical and Chemical properties"

10:00 - 10:30



Marie Paule Pileni

Sorbonne Université, Paris, France

"Hybrids of hydrophobic nanocrystals dispersed aqueous solution: Specific behaviors"

10:30 - 11:00



Adil K. Al-Tamimi

The American University of Sharjah "AUS", United Arab Emirates

"Innovative construction materials for smart structures"

11:00 - 11:30

Oral Sessions

11:30 - 11:50



Yüksel AKINAY (Chair)

Yuzuncu Yil University, Science and Application Centre, Turkey

"Synthesis of Sn doped Sb205 particles and their optical and electrochemical properties"

11:50 - 12:10



Mahua Jahan Rupa

Kyushu University, Japan

"Kinetics of ethanol adsorption on activated carbon-graphene composite"

12:10 - 12:30



Maisara Abdul Kadir

Universiti Malaysia Terengganu, Malaysia

"Synthesis, spectroscopic, crystal structure and DFT studies of one-dimensional coordination polymers bearing N,N'-2,6-bis(3-pyridylmethyl)pyridine dicarboxamide organic linker"

12:30 - 12:50



Dafaalla M. D. Babiker

CAS Key Laboratory of Soft Matter Chemistry, China

"Hybrid UHMWPE/SiO2 Nano-Composite Microporous Separators via Biaxial Stretching Process for the Next-Generation Lithium ion Battery"

12:50 – 13:30 Break

13:30 - 13:50



Mourad Chikhi

Center for the Development of Renewable Energies, Algeria

"A New green Materials for Algerian Construction"

13:50 - 14:10



Madhumita Mukhopadhyay (Chair)

Amity University, India

"Deciphering the Interaction of a Macrocyclic Tetranuclear Zn(II) complex with Biomimicking Surfactant: A case Study using Cetyltrimethyl Ammonium Bromide"

14:10 - 14:30



Ashmitha K Shetty

M .S. Ramaiah University of Applied Sciences, India

"Optical Evaluation to detect In-Vitro Remineralisation of Smooth Surface Enamel lesion by Egg Shell Powder and Casein Phosphopeptide-Amorphous Calcium Phosphate Paste through DIAGNOdent and Polarised Light Microscope"

14:30 - 14:50



Namita Jaiswal

National Institute of Technology Durgapur, India

"Gold nanoparticle decorated polystyrene micropatterned structures for Protein"

14:50 – 15:20 Break

- 15:20 - 15:40  **Filipe Miguel Borges Amaral (Chair)**
University of Aveiro, Portugal
"Advances in conversion and energy storage in health devices"
- 15:40 - 16:00  **Serene Joy**
Faculty of Dental Sciences Ramaiah University of Applied Sciences, India
"A Nuclear Magnetic Resonance and Fourier-Transform Infrared Spectroscopic Study of Lyophilized Umbilical Cord Blood Platelet Rich Plasma"
- 16:00 - 16:20  **Ulises Miranda Ordonez**
University of Latvia, Latvia
"Gas sensing properties towards acetic acid of new optical ZnO/porphyrin nanocomposites"
- 16:20 - 16:40  **Viktoria Fedorenko**
University of Latvia, Latvia
"Optical ZnO-PDA sensors for glucose sensing"
- 16:40 - 17:00  **Dileepa Chamikara Maddumage**
University of Peradeniya, Sri Lanka
"Fabrication of Chemically Reduced Graphene Oxide Thin Films by Atomized Spray Pyrolysis Deposition"

Day 2, February 19, 2021

Keynote Sessions

- 09:00-09:30  **Nabisab Mujawar Mubarak**
Curtin University, Malaysia
"Superior Stain Sensing Incorporating with PVA Infiltrated MWCNTs Buckypaper For Biosensor Application "
- 09:30 - 10:00  **Shuji OGATA**
Nagoya Institute of Technology, Japan
"Adhesion and stability of metal-organic interfaces: large-scale computer simulations"
- 10:00 - 10:30  **Abderrazzak Douhal**
University of Castilla-La Mancha, Spain
"Hydrogen-bonded Organic Frameworks (HOFs) Materials Photochemistry and Related Photonic Applications"
- 10:30 - 11:00  **Elisabetta Comini**
University of Brescia, Italy
"Advanced Metal Oxide based Nanostructures for Chemical Sensing"



11:00 - 11:30 Break

Oral Sessions

- | | | |
|---------------|---|--|
| 11:30 - 11:50 |  | <p>Siddique sha.M
Faculty of Dental Sciences Ramaiah University of Applied Sciences, India
<i>"Spectroscopic Fourier Transform Infrared Study of Human Recombinant Platelet Derived Growth Factor BB Protein and Poly (N-Isopropylacrylamide) Polymer as Strategic Biobetter Regenerative Material"</i></p> |
| 11:50 - 12:10 |  | <p>Priyanka Srivastava (Chair)
Vellore Institute of Technology, India
<i>"Investigation of interaction of synthesized biopolymer stabilized silver nanoparticles in vitro and in vivo"</i></p> |
| 12:10 - 12:30 |  | <p>Fatih AYDIN
Karabuk University, Turkey
<i>"The investigation of wear and electrochemical corrosion behavior of MAO produced AZ31 alloy"</i></p> |
| 12:30 - 12:50 |  | <p>Maria Malik
University of the Punjab, Pakistan
<i>"Biosynthesis and characterization of Annona Squamosa mediated silver nanoparticles for Biomedical applications"</i></p> |
| 12:50 - 13:10 |  | <p>Fernando Mendes
Coimbra Health School, Portugal
<i>"Polymeric blends based on galactomannan from Adenantha pavonina L.: a vibrational, thermal, structural, and rheological study"</i></p> |




13:10 - 14:00 Break

Keynote Sessions

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|---------------|---|---|
| 14:00 - 14:30 |  | <p>Richard Palmer
Swansea University, UK
<i>"Scaling-up Nanoparticle Beam Deposition for Green Synthesis of Advanced Materials: From Atomic Imaging with Aberration-Corrected STEM to Applications in Catalysis"</i></p> |
| 14:30 - 15:00 |  | <p>Roger M. Leblanc
University of Miami, USA
<i>"Carbon Dots as Versatile Drug Nanocarriers in Modern Medicine"</i></p> |

15:00 - 15:30 Break

Oral Sessions

- | | | |
|---------------|---|--|
| 15:30 - 15:50 |  | <p>Safa POLAT (Chair)
Karabuk University, Turkey
<i>"Production and characterization of thiourea/PA6.6 nanofiber material"</i></p> |
| 15:50 - 16:10 |  | <p>Filipe Miguel Borges Amaral
University of Aveiro, Portugal
<i>"Semiconductor polymer based on polyaniline and galactomannan for application in biosensors"</i></p> |
| 16:10 - 16:30 |  | <p>Amin H. Al-Khursan
Thi-Qar University, Nassiriya, Iraq
<i>"BGaN/AlN quantum dot structure for ultraviolet applications"</i></p> |

Poster Sessions

16:30 - 16:40



Victor Kleshch (poster)

Lomonosov Moscow State University, Russia

"Modeling of single-electron effects in field emission from heterostructured carbon tips"

16:40 - 16:50



Maxim Rogachev (poster)

National Research University of Electronic Technology, Russia

"Thermoelectric materials for multisection thermoelements with operating temperatures of 200-1200 K"

16:50 - 17:00



Petr Hruška (poster)

Institute of Physics of the Czech Academy of Sciences, Prague, Czech Republic

"Investigation of the microstructure of amorphous and crystalline HfNbTaTiZr high entropy alloy thin films prepared by magnetron sputtering"

17:00 - 17:10



Rinat R. Ismagilov (poster)

M.V. Lomonosov Moscow State University, Russia

"Spatially resolved in-situ plasma thermometry for chemical vapor deposition of carbon nanomaterials"

17:10 - 17:20



Sadettin SAHIN (poster)

Kirikkale University, Turkey

"Behavior of 32 CrMoV12-10 Steel Towards Boronizing Variables"

Materials Chemistry 2021

RESEARCH WAVES 

Involve | Explore | Expertise

