Scientific Program

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Opening Ceremony
09:00-09:15

October 21, 2021

Keynote Forum

09:15-10:00

Title: Highly Effective Electrochemical Water Oxidation by Millerite-Phased Nickel Sulfide Nanoflakes Fabricated on Ni Foam by Aerosol-Assisted Chemical Vapor Deposition

Naseer Iqbal | University of Hafr Al Batin | Italy

10:00-10:45

Title: Significance of Carbon Nanostructures towards Multifaceted Applications

Srikhant Maktedar | National Institute of Technology | India

Networking & Refreshment Break 10:45-11:00

Speaker Forum

Session on: Materials Chemistry | 2D Materials Chemistry | Nanoscience | Artifical Intelligence | Machine learning

Session Chair: **Naseer Iqbal** | University of Hafr Al Batin | Italy

11:00-11:30

Title: Identification of a putative master regulator of disease resistance receptor proteins for enhancing broad-spectrum pathogen and pest resistance in soybean

Valentina Onesto | Institute of Nanotechnology | Italy

11:30-12:00

Title: Generation of Electricity using Eco-economical Non-Conventional techniques

Seema Vats | University of Delhi | India

12:00-12:30

Title: Long-term Maintenance of Human Pluripotent Stem Cells in Defined Media and Feder-Free Condition using Recombinant Protein Human DJ-1

Julee Kim | University of Ulsan College of Medicine | Republic of Korea

Lunch Break 12:30-13:00

13:00-13:30

Title: Coupling Artificial Intelligence with tools for economic assessment of environmental impacts, a viable solution for reasoned decision-making

Mohamed TAHIRI | University of Hassan II Casablanca | Morocco

13:30-14:00

Title: SMILE: A Verbal and Graphical User Interface Tool for Speech Control of Soccer Robots in Ghana

Patrick Fiati | Cape Coast Technical University | Ghana

Keynote Forum

14:00 -14:45

Title: Scattering of Lower Hybrid Waves in a Magnetized Plasma

Brunello Tirozzi | The University of Rome La Sapienza | Italy

Speaker Forum

Session on: Nanobiotechnology | Electrochemistry Materials | Nanochemistry | Nanomaterials and Nanotechnology

Session Chair: **Brunello Tirozzi** | The University of Rome La Sapienza | Italy

14:45-15:15	**Title: Intelligent Systems / Applications of Mechatronics opportunities in textiles** **Elsayed Ahmed** | Kaferelsheikh University | Egypt
15:15-15:45	**Title: Quantum mechanics, Molecular modeling by MD simulation, Characterization (SEM/EDS/UV-Visible), Thermodynamic and Electrochemical studies of the inhibitory power of two quinoline derivatives for C38 in aggressive electrolyte.** **Hicham Fakhry** | Ibn Tofail University | Morocco

Networking & Refreshment Break 15:45-16:00

16:00-16:30	**Title: ChemToy2: A Nanochemical Activity for Undergraduates and the Basis of a Nanochemistry Laboratory Curriculum** **Shaun D Black** | The University of Texas at Tyler | USA
16:30-17:00	**Title: Crystallographic Analysis of Thermoelasticity and Superelasticity in Shape Memory Alloys** **Osman Adiguzel** | Firat University | Turkey

Poster Forum

17:00-17:30	**Title: Influence of the addition of surfactants in iron oxide microwave synthesis** **Ivana Mitar** | University of Split | Croatia

Award and Closing Ceremony