

Joint Event on

**CHEMISTRY & ANALYTICAL
TECHNIQUES**

AND

**NANOTECHNOLOGY &
ADVANCED MATERIALS**

November 14-15, 2019 | San Francisco, USA

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Coalesce Research Group

33 Market Point Dr,
Greenville, SC 29607, USA

Scientific Program

Joint Event on

Chemistry & Analytical Techniques and Nanotechnology & Advanced Materials

Thursday
NOV 14, 2019

Hall: Embarcadero 4

09:00 - 09:30 Registrations

09:30 - 09:45 Introduction

Keynote Forum

09:45 - 10:30 Title: Nuclear-oil shale hybrid
Janusz Grebowicz, University of Houston-Downtown, USA

Group Photo & Refreshments (10:30 - 10:45)

Networking & Refreshments - Foyer (10:45 - 11:00)

11:00 - 11:45 Title: Plausibility of chemical synthesis for the room temperature cuprate oxide superconductors firmly based on the finding of universal scaling laws
Sung-Ho S Salk, Pohang University of Science and Technology, South Korea

Plenary Sessions

Session Chair: **Janusz Grebowicz**, University of Houston-Downtown, USA

Session Co-Chair: **Abdelkader Souifi**, Institute of Nanotechnologies of Lyon, France

11:45 - 12:15 Title: Strategies for rational design and synthesis of metal-based drugs that “break the rules”
Galina Gencheva, Sofia University, Bulgaria

12:15 - 12:45 Title: Graphene oxide-based biosensing platform for detection of the activities of MMPs/ADAMs
Youwen Zhang, Illinois Institute of Technology, USA

12:45 - 13:15 Title: High-resolution mass spectrometry (HRMS)-based metabolomics strategy for comprehensively screening biomarkers of phthalate exposure and their applications
Pao-Chi Liao, National Cheng Kung University, Taiwan

Lunch @ Restaurant (13:15 - 14:00)

14:00 - 14:30 Title: Phyto-mediated green synthesized silver nanoparticles from alkaloids of Peganum harmala with enhanced antifungal activity against phytopathogenic fungi
Abdulrhman A Almadiy, Najran University, Saudi Arabia

14:30 - 15:00 Title: A simple method to prepare photocatalyst BiONO₃
Yu Zhiyong, Renmin University of China, China

15:00 - 15:30 Title: Morphological and structural investigation of the titanium-based composites deposited by the Thermionic Vacuum Arc method
Rodica Vladoiu, Ovidius University, Romania

15:30 - 16:00 Title: Paper-based electrochemical sensor for immunoassay-free detection of C-reactive protein using thiol-terminated poly(2-methacryloyloxyethyl phosphorylcholine) self-assembled on gold nanoparticles modified carbon electrode
Chanika Pinyorospatum, Chulalongkorn University, Thailand

16:00 - 16:30 Title: Orthogonal chemistry in materials design: Oxyhydrides as a case study
Evgenii Strugovshchikov, University of Tartu, Estonia

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Networking & Refreshments - Foyer (16:30 - 17:00)

17:00 - 17:30 Synthesis and characterization techniques of isoniazid - pentacyclic triterpenes co-crystal systems

Mohammed Sani Haruna, Federal Ministry of Science and Technology, Nigeria

17:30 - 18:00 Title: New technologies of green electronics

Alexander Buzynin, Russian Academy of Sciences, Russia

End of Day 1

Scientific Program

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Friday
NOV 15, 2019

Hall: Embarcadero 4

Keynote Forum

09:30 - 10:15 Title: Synthesis and doping of hybrid organic/inorganic halide perovskites: Light emitting, electrochromism, solar cells and more
Qinglong Jiang, University of Arkansas, USA

10:15 - 11:00 Title: Catalytic, the attractive hydrolase-peptide, is the new strategic drugs against Alzheimer's disease
Rina Nakamura, Kochi University, Japan

Networking & Refreshments - Foyer (11:00 - 11:15)

Plenary Sessions

Session Chair: **Sung-Ho S Salk**, Pohang University of Science and Technology, South Korea

Session Co-Chair: **Abdelkader Souifi**, Institute of Nanotechnologies of Lyon, France

11:15 - 11:45 Title: Low power MPECVD of vertical carbon sheets at atmospheric pressure
Zhivko Kiss'ovski, Sofia University, Bulgaria

11:45 - 12:15 Title: Optimization of resistive memories using In_2O_3 nanostructures integration with a CMOS back-end-off-line process
Abdelkader Souifi, Institute of Nanotechnology of Lyon, France

12:15 - 12:45 Title: Application of chemoinformatics tools for analysis of structural features of fullerene derivatives nano-sized molecules affected their binding activity
Natalja Fjodorova, National Institute of Chemistry, Slovenia

12:45 - 13:15 Title: Study on functional group losses at fourier transform infrared spectroscopy of biomass materials at different pyrolysis temperature
Swapan Suman, Meerut Institute of Engineering & Technology, India

Lunch @ Restaurant (13:15 - 14:00)

14:00 - 14:30 Title: Use of nanotechnology for sustainable development
Ranjana Jha, Netaji Subhas University of Technology, India

14:30 - 15:00 Title: Mercury(II) ion detection based on graphene oxide for aptasensor in fret in a microfluidic device
Ruey Jen Yang, National Cheng Kung University, Taiwan

15:00 - 15:30 Title: Mid-infrared detection using Si-based nano to micro-structures
Ching Fuh Lin, National Taiwan University, Taiwan

Poster Presentations (15:30-16:00)

POS1 Title: Metal organic framework for biogas upgrading: Siloxane removal
Nancy Elizabeth Davila Guzman, New Leon Autonomous University, Mexico

POS2 Title: Integrated instrumentation for combined laser induced breakdown and Raman spectroscopy
Di Tian, Jilin University, China

POS3 Title: SHRIMPDB: A new geoanalytical database for U-Th-Pb geochronological data from SHRIMP measurements
Li Yao, Jilin University, China

POS4 Title: 3D reduced graphene oxide (RGO)-Ni-Fe hybrids as oxygen evolution reaction electrocatalysts
Daoyuan Wang, University of Arkansas at Pine Bluff, USA

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Plenary Sessions

16:15 - 16:45 Title: Application of hydrophilic nanoparticles on polymer membrane surface to improve fouling resistance

Hassan Younas, Nanjing Tech University, China

16:45 - 17:15 Title: Simultaneous enhancement of mechanical, fractal and thermodynamic properties for bamboo flour/polybutylene succinate bio-composites by embedding dopamine: A mussel-inspired biomimetic nano-compatible

Song Wei, Beijing Forestry University, China

Video Presentation

17:15 - 17:30 Title: Quantum Wells: Nanostructures that started the communication revolution and how they could enhance solar electricity and solar fuel generation

Keith Barnham, Imperial College London, UK

17:30 - 17:45 Title: Reaction kinetics in chemical engineering

Christo Boyadjiev, Bulgarian Academy of Sciences, Bulgaria

Panel Discussion - Awards & Closing Ceremony

End of Day 2



2nd Euro Chemistry Congress

October 01-02, 2020, Amsterdam | Netherlands

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