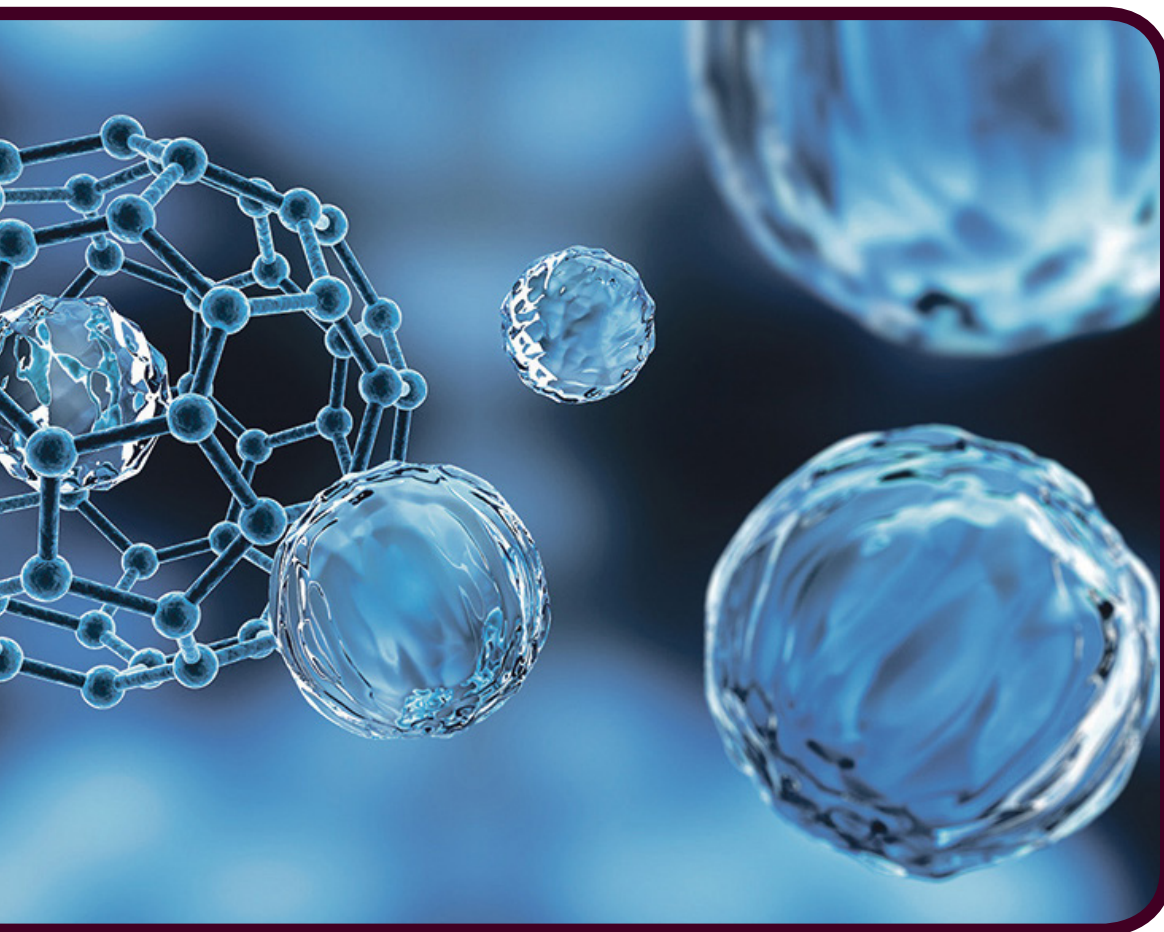


Scientific Program

JOINT MEETING ON
4TH INTERNATIONAL CONFERENCE ON
CRYSTALLOGRAPHY & NOVEL MATERIALS
&
9TH INTERNATIONAL CONFERENCE ON
BIOPOLYMERS AND POLYMER SCIENCES
NOVEMBER 19-20, 2018 BUCHAREST, ROMANIA



CRYSTALLOPOLYSCI 2018

Conference Series llc Ltd

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Monday 19th November 2018

Day 1

08:30-09:00

Registration Opens

Conference Hall

09:00-09:30

Opening Ceremony

Introduction

09:30-10:15

Keynote Presentation

Title: Metal-silicon contact formation and role of the nanophase wetting layer

Nikolay PLUSNIN, FEB RAS-Institute of Automation and Control Processes, Russia



10:15-11:00

Keynote Presentation

Title: Particularities of the crystalline structures - A critical issue in designing materials for targeted applications

Lucian Baia, Babes-Bolyai University, Romania



11:00-11:15

Networking and Refreshments Break with Group Photo @ Foyer

11:15-12:00

Keynote Presentation

Title: How to transfer biocomposite technology from research to industry using innovation engineering?

Nadir Yildirim, Bursa Technical University, Turkey

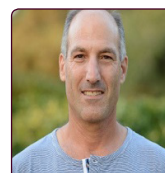


12:00-12:45

Keynote Presentation

Title: From DDT to emerging eco-technologies; The long journey to green-evolution and green-economy

Nimrod Israely, Biofeed Environmentally Friendly Pest Control, Israel



Lunch Break 12:45-13:45 @ Restaurant

Session: Crystallography in Material Science | Role of Polymers in Biological Systems | Novel Materials for Energy Applications | Chemical Crystallography | Advanced Technologies in Polymer Synthesis

Session Chair: **Oara Neumann**, Rice University Applied Physics, USA

Session Co-Chair: **Benny Danilo Belviso**, Institute of Crystallography (CNR), Italy

13:45-14:15

Title: Mechanical properties of heat treated 3D printed semi-crystalline PEEK material

Uwe Popp, Apium Additive Technologies GmbH, Germany

14:15-14:45

Title: Enhanced T1 MRI contrast and fluorescence stability within a plasmonic core-shell nanoparticle

Oara Neumann, Rice University Applied Physics, USA

14:45-15:15

Title: Synthesis of novel autoreactive and ecological mono-component adhesives for the shoe industry

Mariana Costa, Instituto Politécnico do Cávado e do Ave – IPCA, Portugal

Networking and Refreshments Break 15:15-15:30 @ Foyer

15:30-16:00

Title: Microstructural evolution of nanocrystalline tungsten-25% Rhenium-Hafnium carbide composite synthesized by spark plasma sintering technique for FSW tool application

Zafar Iqbal, Pakistan Institute of Engineering and Applied Sciences (PIEAS), Pakistan

16:00-16:30

Title: Composite nanostructures for VIS-active photocatalysts

Anca DUTA, Transilvania University of Brasov, Romania

16:30-17:00

Title: Synthesis and characterization of the complex nanostructured thin films based on titanium by Thermionic Vacuum Arc (TVA) method

Rodica VLADOIU, Ovidius University of Constanta, Romania

Video Presentations

17:00-17:20

Title: A close insight into the nature of intra and intermolecular interactions in 1-acyl thioureas and dihydropyrimidine-2-(1H) thione derivatives using single crystal X-ray crystallography and related techniques

Asma Khurshid, Pakistan Institute of Engineering and Applied Sciences, Pakistan

17:20-17:40

Title: The best of times – How sustainability commitments by global corporations are fueling development and commercialization of bioplastics

Sandeep Kulkarni, Koolearth Solutions Ltd., USA

Panel Discussion

Tuesday 20th November 2018

Day 2

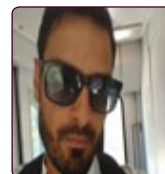
Conference Hall

10:00-10:45

Keynote Presentation

Title: Advanced materials to make easier protein crystallization

Benny Danilo Belviso, Institute of Crystallography (CNR), Italy



Networking and Refreshments Break 10:45-11:00 @ Foyer

11:00-11:45

Keynote Presentation

Title: Synthesis, structural analysis and antibacterial effect of a novel heteronuclear Ag(I)-Fe(II) coordination polymer

Ramin Zibaseresht, Maritime University of Imam Khomeini, Iran



Session: Crystallography of Novel Materials | Chemical Crystallography | Role of Polymers in Biological Systems | Recent Development in the X-ray Studies | Biodegradable Polymers | Biomaterials and Biopolymers

Session Chair: **Nimrod Israely**, Biofeed Environmentally Friendly Pest Control, Israel

Session Co-Chair: **Tasnim Kossentini Kallel**, National School of Engineers of Sfax, Tunisia

11:45-12:15

Title: Conjoint AES - EELS analysis of the subnanometric coatings

Nikolay PLUSNIN, FEB RAS-Institute of Automation and Control Processes, Russia

12:15-12:45

Title: Effects of glycerol incorporation on Semi-Refined Carrageenan film properties

Bakti Berlyanto Sedayu, Victoria University, Australia

Lunch Break 12:45-13:45 @ Restaurant

13:45-14:15

Title: Structural properties and topological diversity of new ORGANOTIN(IV) coordination compounds
Delia-Laura Popescu, University of Bucharest, Romania

14:15-14:45

Title: Assessment of biodegradation and biological properties of modified biopolymers
Tasnim Kossentini Kallel, National School of Engineers of Sfax, Tunisia

14:45-15:15

Title: Synthesis, structural analysis and DNA interaction of Bis[4'-(4-methylphenyl)-2,2':6',2''-terpyridine]Co(III)(NO₃)₃·2H₂O complex
Ramin Zibaseresht, Maritime University of Imam Khomeini, Iran

15:15-15:45

Title: Biopharmaceutical and functional activities improvement by drug-biopolymers association
Francisco Fábio Oliveira de Sousa, Federal University of Amapa School of Pharmacy, Brazil

Networking and Refreshments Break 15:45-16:00 @ Foyer

16:00-16:20

Poster Presentations

CBP-01

Title: Porous structures from nanocellulose and biopolymers for biomedical application

Denis Mihaela Panaitescu, National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM, Romania

CBP-02

Title: Influence of nanosilica content on the thermal and mechanical properties of liquid silicone elastomers

Ioana Chiulan, The National Institute for Research & Development in Chemistry and Petrochemistry ICECHIM, Romania

Panel Discussion

Awards and Closing Ceremony

