

JOINT EVENT

ICMN 2022

# **INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE AND NANOTECHNOLOGY**



ICCS 2022

# **INTERNATIONAL CONFERENCE ON CATALYSIS AND CHEMICAL SCIENCE**

October 03-05, 2022 | 12:00 To 21:00 (GMT)

Email: [nanotechnology@irisscientificgroup.org](mailto:nanotechnology@irisscientificgroup.org)

Weblink: <https://irisscientificgroup.com/conferences/material-science-and-nanotechnology/>

Email: [catalysis@irisscientificgroup.org](mailto:catalysis@irisscientificgroup.org)

Weblink: <https://irisscientificgroup.com/conferences/catalysis-and-chemical-science/>

## Introduction

12:00-12:10		Introduction
Sessions on: Material Science and Nanotechnology		
Webinar Time Zone (GMT)	Speaker Time Zone	Keynote Presentations
12:10 - 12:40	08:10-08:40	Title: Impact of Conjugated Polymer Characteristics on the Enrichment of Single Chirality SWCNTs <b>Jiaying Ouyan, National Research Council, Canada</b>
12:40 - 13:10	14:40-15:10	Title: Role of The Global Morphology Configuration on Physical Properties of Real Mesoscopic Scale Thick Material Thin Films <b>Jean Ebothe, Laboratory of Nanosciences Reserach (LRN), France</b>
13:10 - 13:40	16:10-16:40	Title: Graphene/nanotube films with T-junctions: prospects of application in the design of THz nanodevices and blade-type nanoemitters for matrix autoemission cathodes <b>Olga E. Glukhova, Saratov State University, Russia</b>
13:40 - 14:10	15:40 - 16:10	Title: Anodic TiO <sub>2</sub> nanostructured coatings in biomedical applications <b>Anca Mazare, Friedrich-Alexander University of Erlangen Nürnberg, Germany</b>
14:10 - 14:40	17:10 - 17:40	Title: Crystallographic Transformations and Temperature - Deformation Relations in Shape Memory Alloys <b>Osman Adiguzel, Firat University, Elazig, Turkey</b>
14:40 - 15:10	17:40-18:10	Title: Feasibility of high performance in nanocrystalline PbTe films for thermoelectric applications <b>Zinovi Dashevsky, Ben-Gurion University of the Negev, Israel</b>
15:10 - 15:40	18:10-18:40	Title: Improving the Reliability Design of Mechanical Systems such as Refrigerator <b>Seongwoo Woo, Ethiopian Technical University, Ethiopia</b>
15:40 - 16:10	17:40-18:10	Title: Wellness and Wealth by innovative Natural tissues for a Better Life <b>Pierfrancesco Morganti, Academy of History of Healthcare Art, Italy</b>
16:10 - 16:40	19:10-19:40	Title: Data-Driven Predictive Designing of the Carbyne-Enriched Nanostructured Metamaterials with Desired Properties <b>Alexander Lukin, Western-Caucasus Research Center, Russia</b>
16:40 - 17:10	19:40-20:10	Title: SEM-Assisted Nanoporometric Morphometric Techniques Applied for Planar Patch-Clamp Systems and Nanopore Sequencing Devices <b>Gradov O.V., FRC CP RAS, Moscow, Russia</b>
17:10 - 17:40	19:10-19:40	Title: Labs, Cells, and Organs on Chip <b>Albert van den Berg, University of Twente, Netherlands</b>
Oral Presentations		
18:25 - 18:45	02:25-02:45	Title: Structure Design of Carbon-based Metal-free Photocatalyst for Water splitting H <sub>2</sub> Evolution <b>Xiaohong Yang, Northeastern University, China</b>

18:45 - 19:05	21:45-22:05	Title: Novel tricarbazole unit in D- $\pi$ -A Structure: Organic Sensitizer for DSSC's <b>Yasemin Caglar , Eskisehir Osmangazi University, Eskisehir Turkey</b>
<b>Poster Presentations</b>		
19:05 - 19:20	22:05-22:20	Title: Polarization holographic gratings recorded in thin films of anisotropic nanocomposites <b>Dimana Nazarova, Bulgarian Academy of Sciences, Bulgaria</b>
19:20 - 19:35	22:20-22:35	Title: PAZO polymer films doped with particles of bioactive metal for polarization holographic recording <b>Nataliya Berberova-Buhova, Bulgarian Academy of Sciences, Bulgaria</b>
<b>19:40-19:50</b>	<b>Introduction</b>	
<b>Sessions on: Catalysis and Chemical Science</b>		
<b>Webinar</b>	<b>Speaker</b>	<b>Keynote Presentations</b>
<b>Time Zone (GMT)</b>	<b>Time Zone</b>	
19:50-20:20	22:50-23:20	Title: Adsorbed Ozone Decomposition Stimulated by Resonant Vibrational Excitation <b>Alexey Tsyganenko, St.Petersburg State University, Russia</b>
20:20-20:50	05:20-05:50	Title: Design of Catalysts Realized by Materials Theory and Machine Learning <b>Hao Li, Tohoku University, Japan</b>
20:50-21:20	02:20-02:50	Title: Designing Materials for Nanocatalysis <b>Takeer Ahmad, Jamia Millia Islamia, New Delhi, India</b>
21:20-21:50	02:50-03:20	Title: Importance of Ex equipment for hazardous area <b>Bhagirath Ahirwal, CSIR- Central Institute of Mining and Fuel Research, Dhanbad, India</b>
<b>Oral Presentations</b>		
21:50-22:10	18:50-19:10	Title: PDMSUr-PWA films: A Mini-review <b>Orlando Armando Elguera Ysnaga, Sao Carlos-SP, Brazil</b>
22:10-22:30	00:10-00:30	Title: Room temperature synthesis of Cu-BTC based mof and coordination polymer <b>Shiraz Ahmed Siddiqui, Faculty of Physics and VDS, University of Vienna, Austria</b>
22:30-22:50	23:30-23:50	Title: Microstructure Evolution and Magnetic Properties of Nanocrystalline Ni <sub>75</sub> Fe <sub>25</sub> Thin Films Deposited on Alumin (Al <sub>2</sub> O <sub>3</sub> ) and Kapton Substrates <b>A. Kaibi, University Larbi Tebessi - Route de Constantine, Algeria</b>
22:50-23:10	23:50-24:10	Title: Competitive adsorption of indigo carmine dye in single and binary systems Using Zn-Fe-CO <sub>3</sub> Layered double hydroxides <b>Salima Bouteraa, University of Sciences and Technology of Oran, Algeria</b>
23:10-23:30	00:10-00:30	Title: Natural Hematite as Heterogeneous Catalysts for an Effective Degradation of Ciprofloxacin via Photocatalytic degradation Process <b>Salima Dadou, Universite des Sciences et de la Technologie Houari Boumediene, Algeria</b>
23:30-23:50	00:30-00:50	Title: Effect of primary treatment on photo-catalytic performance of TiO <sub>2</sub> in mill wastewater <b>Sahar Raissi , University Tunis El Manar, Tunisia</b>