

Webinar Program



Biotechnology Virtual 2020

Chemistry Virtual 2020,
Pharma Virtual 2020 and
Materials Science
Virtual 2020

16-17

November, 2020

■ **Sessions on:** Biotechnology and Bioengineering | Pharmaceuticals and Drug Delivery Systems

12:00-12:10 Introduction

■ **Keynote Presentations I**

Webinar Speakers
Time Zone Time Zone

12:10-13:00 09:10-10:00 Title: Bioengineering single-cell oil production by oleaginous *Rhodococcus* spp. to enlarge their application spectrum
Hector M. Alvarez, University of Patagonia San Juan Bosco, Argentina

■ **Oral Presentations I**

13:00-13:20 13:00-13:20 Title: Improving bioprocesses by using adaptation strategies of *Rhodococcus*

Carla CCR de Carvalho, Instituto Superior Tecnico, Portugal

13:20-13:40 14:20-14:40 Title: Towards a better comprehension of present and future cyberbiosecurity vulnerabilities fostered by an interdisciplinary security approach

Siguna Mueller, Independent Researcher, Austria

13:40-14:00 14:40-15:00 Title: Molecular marker characterization and petal valorization of saffron '*Crocus sativus* L.'

Mohammed Amine Serghini, Ibn Zohr University, Morocco

14:00-14:20 19:30-19:50 Title: Bioinformatic approaches on differential gene expression in scrub typhus compared to some other acute febrile infections

Shyamapada Mandal, University of Gour Banga, India

14:20-14:40 08:20-08:40 Title: Biotechnological approach to valorize emissions: Biological conversion of styrene to polyhydroxyalkanoates using two-phase partitioning bioreactors

Victor Alfonso Alonso Campos, IPICYT, Mexico

14:40-15:00 08:40-09:00 Title: Implementation of conductive materials: Reduced graphene oxide adorned with Fe₃O₄ nanoparticles for biogas upgrading

Itzel Covarrubias, IPICYT, Mexico

15:00-15:20	18:00-18:20	Title: Assessment an umbilical cells induced neuroplasticity in patients with schizophrenia using functional MRI Dmitry Ustyuzhanin , National Medical Research Center of Cardiology, Russia
15:20-15:40	18:50-19:10	Title: An overview of RSV antiviral medicinal plants that may be key to Coronavirus Mansureh Ghavam , University of Kashan, Iran
15:40-16:00	21:10-21:30	Title: Coumarin-dihydropyrimidinone hybrids: Design, virtual screening, synthesis and cytotoxic activity against breast cancer Rohit Bhatia , ISF College of Pharmacy, India
16:00-16:20	21:30-21:50	Title: Photoluminescence and electrochemical properties of Thiazole derivative's Schiff base ligand based coordination complexes Neha Mishra , Dr. Hari Singh Gour University, India
16:20-16:40	21:50-22:10	Title: TBA Neha M.Munot , STES's Smt.Kashibai Navale College of Pharmacy, India
16:40-17:00	18:40-19:00	Title: The molecular mechanism underlining the preventive effect of vitamin D against hepatic and renal acute toxicity through the NrF2/ BACH1/ HO-1 pathway Nada F. Abo El-Magda , Mansoura University, Egypt

■ Poster Presentations I

17:00-17:10	11:00-11:10	Title: Obtaining blue fluorescent protein trough a novel technique Lucelly Montserrat Medina Pino , Meritorious Autonomous University of Puebla, Mexico
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■ Keynote Presentations II

17:10-18:00	18:10-19:00	Title: Nanostructured formulations in skin cancer: Challenges and perspectives Daniela Monti , University of Pisa, Italy
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End of Day 1

Sessions on: Chemistry and Material Science

Keynote Presentations I

Webinar Time Zone	Speakers Time Zone	
12:00-12:50	16:00-16:50	Title: Poly(sugar acids): Acidic Polysaccharide Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from medicinal plants of Boraginaceae family, its synthetic analogues and their potential therapeutic effect Vakhtang Barbakadze , Tbilisi State Medical University, Georgia

Oral Presentations I

12:50-13:10	15:50-16:10	Title: Impact of concomitant administration of Apixaban and Rifampicin on the pharmacokinetics of Apixaban in rat plasma using developed HPLC/MS method Roaa Tayeb , King Abdulaziz University, Saudi Arabia
13:10-13:30	18:40-19:00	Title: Organic synthesis under solvothermal condition Kuriya M. Lokanatha Rai , University of Mysore, India
13:30-13:50	13:30-13:50	Title: Development of electrocatalysts and their structural evolution Guanjie He , University of Lincoln, U.K.
13:50-14:10	14:50-15:10	Title: Ferrocenylated molecular cages bearing triazine moieties Aleksandra Kosinska , Warsaw University of Technology, Poland
14:10-14:30	17:10-17:30	Title: A sensitive high-performance liquid chromatography tandem mass spectrometric method for determination of bisoprolol after derivatization with 3-bromomethylpropyphenazone: Application to rat serum Huda Abdulaziz Shaheen , King Abdulaziz University, Saudi Arabia

Keynote Presentations II

14:30-15:20	16:30-17:20	Title: Factors affecting foam stability and behavioral description of dynamic surface tension for Polysiloxane-Polyether copolymers in Polyol Loai Aljerf , Damascus University, Syria
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■ Oral Presentations II

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| 15:20-15:40 | 17:20-17:40 | Title: Crystallization behavior of biodegradable polyurethane films based on Glycols-Hexamethylene Diisocyanate

Loai Aljerf , Damascus University, Syria |
| 15:40-16:00 | 17:40-18:00 | Title: Rheological behavior of olive oil used as biodegradable lubricant

Ioana Stanciu , University of Bucharest, Romania |
| 16:00-16:20 | 17:00-17:20 | Title: Impacts of artisanal mining activities on heavy metal contents in soil, water and selected food crops

Alexander Ajai , Federal University of Technology, Nigeria |
| 16:20-16:40 | 17:20-17:40 | Title: Evaluation of ecofriendly compounds performance as corrosion inhibitors for mild steel in molar hydrochloric acid: Electrochemical study and theoretical approach

Mohamed Oubaaqa , Ibn Tofail University, Morocco |
| 16:40-17:00 | 16:40-17:00 | Title: Organic/Inorganic hybrid materials for catalytic applications

Fabio M. S. Rodrigues , University of Coimbra, Portugal |
| 17:00-17:20 | 18:00-18:20 | Title: Synthesis and characterization of copper-doped forsterite as new blue ceramic pigments

Nouha Siragi , University of Cadi Ayyad, Marrakech, Morocco |
| 17:20-17:40 | 17:20-17:40 | Title: Vertical and horizontal cell structural appraisal of a 9-year cedrela odorata wood for pulp and paper making

Peter Kessels Dadzie , Kumasi Technical University, Ghana |
| 17:40-18:00 | 18:40-19:00 | Title: Numerical analysis of ZnS/SnS Heterojunction solar cell

Beddiaf Zaidi , University of Batna, Algeria |

Closing Ceremony



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