



WEBINAR PROGRAM

Catalysis VIRTUAL 2020,
Green Chemistry VIRTUAL 2020
and
Nanotechnology VIRTUAL 2020

October 28-29, 2020 | 12:00-19:00 GMT

<https://www.magnuswebinars.com/catalysis-virtual>

■ **October 28, 2020**

12:00-19:00 GMT

Day 01

12:00-12:10

Introduction



Sessions on: Green Chemistry and Renewable Energy



Keynote Presentations

Webinar

Speakers

Time Zone

Time Zone

12:10-12:50

13:10-13:50

Title: The ECONYL® regeneration system: When waste is not the end, but the beginning

Giulio Bonazzi, Aquafil S.p.A, Italy

12:50-13:30

18:20-19:00

Title: Removal of Phenol from wastewater in fixed-bed column using low-cost natural bio-adsorbent neem leaves

Ashanendu Mandal, University of Calcutta, India



Oral Presentations

13:30-13:50

23:30-23:50

Title: CalAISil™ zeolite geopolymers – Green nanotechnology that replace Carbon and energy intensive materials

Leon Burgess-Dean, CalAISil™, Australia

13:50-14:10

21:50-22:10

Title: Progress in active Iridium (III) complexes: Synthesis, characterization, photo-and-electrochemical properties by using 1,3,4-oxadiazole cyclometallating ligand

Mansoor Akhtar, Northeast Normal University, P.R.China

14:10-14:30

23:10-23:30

Title: Green Ammonia synthesis using renewable energy-derived Hydrogen

Rahat Javaid, Fukushima Renewable Energy Institute, AIST, Japan

14:30-14:50

23:30-23:50

Title: Quantum chemical insight into catalyst durability

Ai Suzuki, Tohoku University, Japan

14:50-15:10

11:50-12:10

Title: Sewage sludge: Renewable and sustainable energy as an environmental alternative in the form of briquettes or pellets

Ricardo Sonsim de Oliveira, Federal Institute of Parana, Brazil

15:10-15:30

16:10-16:30

Title: Contribution to the study on sulfur removal from Algerian natural gas by Nylon 6-6

Hammou Abdel Illah, University Abdelhamid Ibn Badis of Mostaganem, Algeria

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|-------------|-------------|--|
| 15:30-15:50 | 21:00-21:20 | Title: Treatment of arsenic and fluoride bearing water through electrocoagulation and sludge utilization
Lokendra Singh Thakur , Ujjain Engineering College, India |
| 15:50-16:10 | 20:50-21:10 | Title: Synthesis, characterization and biological evaluation of novel Schiff base ligand derived from 3-hydroxy-benzaldehyde and its divalent metal complexes
Noreen Mazhar , University of the Punjab, Pakistan |
| 16:10-16:30 | 21:40-22:00 | Title: Role of π - π interaction for hazardous metal waste management
Deepak Pant , Professor in Chemistry, Central University of Haryana, India |

■ Poster Presentations

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|-------------|-------------|--|
| 16:30-16:40 | 18:30-18:40 | Title: Valuation of poultry litter by applying an enzyme product. A new technology with energy & environmental purposes
Gretel Burguet Fernandez , University of Oviedo, Spain |
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■ Sessions on: Catalysis and Chemical Engineering

■ Keynote Presentations

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|-------------|-------------|---|
| 16:40-17:20 | 10:40-11:20 | Title: Immobilized TiO ₂ -reduced graphene oxide nanocomposites on optical fibers for photocatalysis degradation and a novel photocatalytic reactor
Huiyao Wang , New Mexico State University, USA |
|-------------|-------------|---|

■ Oral Presentations

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|-------------|-------------|--|
| 17:20-17:40 | 22:50-23:10 | Title: Analyzing and compensating for lithium-Ion battery aging phenomena in electric vehicle batteries
Bedatri Moulik , Amity University, India |
| 17:40-18:00 | 21:40-22:00 | Title: Innovative Magnetron Sputtering Device for the Synthesis of Highly Efficient Catalytic Materials
Zaur Berishvili , LEPL Institute OPTICA, Georgia |

■ Poster Presentations

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|-------------|-------------|--|
| 18:00-18:10 | 22:00-22:10 | Title: Compositions on the basis of modified phenol-formaldehyde oligomers
Tamilla Naibova , Azerbaijan State University of Oil and Industry, Azerbaijan |
| 18:10-18:20 | 20:10-20:20 | Title: Selective catalytic oxidation of ammonia to dinitrogen over hydrotalcite-like derived multicomponent oxide systems
Sylwia Gorecka , Technical University of Ostrava, Czech Republic |

END OF DAY 1

■ **October 29, 2020**

12:00-19:00 GMT

Day 02

■ **Sessions on:** Nanotechnology

■ **Keynote Presentations**

Webinar Time Zone	Speakers Time Zone	
12:00-12:40	14:00-14:40	Title: Role of solvent in composite particles formation during pulsed laser irradiation process Zaneta Swiatkowska Warkocka , IFJ PAN, Poland
12:40-13:20	08:40-19:20	Title: Plant extracts based nanoparticles, potential nanomedicine in fight against COVID-19 R.C Jagessar , University of Guyana, South America
13:20-14:00	09:20-10:00	Title: Hello implantable nanosensors: Goodbye old-fashion hospitals Thomas J Webster , Northeastern University College of Engineering, USA

■ **Plenary Talk**

14:00-14:20	19:30-19:50	Title: Application of nanomaterials as spacecraft shields Mubarak Ali M , TKM College of Engineering, India
14:20-14:40	19:50-20:10	Title: Cellulose based nanomaterials: The future of material science from natural products Ginil Mon , Nesamony Memorial Christian College, India

■ **Oral Presentations**

14:40-15:00	10:40-11:00	Title: Antimicrobial activity of the Ethanolic and aqueous extract of <i>Vicia faba</i> L. (Fabaceae) in the absence and presence of zinc nanoparticles R.C Jagessar , University of Guyana, South America
15:00-15:20	23:00-23:20	Title: Facile fabrication of g-C ₃ N ₄ nanomaterials for photocatalytic application Xiaoxing Fan , Liaoning University, China
15:20-15:40	23:20-23:40	Title: Role of Nanotechnology in COVID-19 Tooba Mahboob , UCSI University, Malaysia

15:40-16:00	23:40-00:00	Title: Characterization and optimization of batch adsorption study of pollutants parameters of POME using synthesized adsorbent media Adeleke Abdulrahman Oyekanmi , Universiti Sains Malaysia, Malaysia
16:00-16:20	17:00-17:20	Title: Effect of optical windows on the efficiency of CdS/MoS ₂ solar cells Beddiaf Zaidi , University of Batna, Algeria
16:20-16:40	21:50-22:10	Title: Study of highly fluorescent Carbon quantum dots derived from Swertia chirata Pranshu K Gupta , Banaras Hindu University, India
16:40-17:00	18:40-19:00	Title: Materials Science and Engineering for nanoparticles Weam Sidahmed Awadalla Sidahmed , University of Khartoum, Sudan
17:00-17:20	22:30-22:50	Title: Preparation and characterization of Sulfasalazine loaded polymeric nanoparticles by solvent evaporation and Salting out techniques Abbaraju krishna sailaja , RBVRR Women's College of Pharmacy, India
17:20-17:40	22:50-23:10	Title: Nano-hydrogels (Nanoparticles+Hydrogels, NPH) for targeted drug delivery systems Hitesh Chopra , Chitkara University, India
17:40-18:00	23:10-23:30	Title: Unprecedented redox scavenging signature along with antioxidant action of silver nanoparticle coupled with andrographis paniculata (AP-AgNP) against carbon tetrachloride (CCl ₄) induced toxicity in mice Soumendra Darbar , Jadavpur University, India
18:00-18:20	21:00-21:20	Title: Reliability design of mechanical systems subjected to repetitive stresses Seongwoo Woo , Addis Ababa Science & Technology University, Ethiopia
18:20-18:40	00:20-00:40	Title: Differentiation of histological and cytological observation of human term placenta Ryan Zia Arslan , Medical University Karaganda, Kazakhstan
18:40-19:00	21:40-22:00	Title: Smart polymeric coatings for corrosion protection in the oil and gas industry Sehrish Habib , Qatar University, Qatar

■ Poster Presentations

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| 19:00-19:10 | 15:00-15:10 | Title: Ceria infused nano silk fibre patch fabrication and applications
Ananya Bhatheja , University of Central Florida, USA |
| 19:10-19:20 | 22:10-22:20 | Title: Active force material
Alexander Frolov , Independent Researcher, Russian Federation |
| 19:20-19:30 | 22:20-22:30 | Title: Producing nanomaterials by jet grinding with acoustic process control
Pryadko Nataliya , Institute of Technical Mechanics of National Academy of Science of Ukraine, Ukraine |
| 19:30-19:40 | 00:00-00:10 | Title: Adsorption of Hg and As by Fe ₃ O ₄ /BTC nanostructures from industrial wastewater
Reza Alizadeh , Hazrat E Masoumeh University, Qom-Iran |
| 19:40-19:50 | 22:40-22:50 | Title: Electrophysical methods for generating nanoparticles
Volodymyr Chumakov , Kharkiv National University of Radioelectronics, Ukraine |

Closing Ceremony



Contact

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