

AMITY INSTITUTE OF APPLIED SCIENCES  
AMITY UNIVERSITY UTTAR PRADESH

2<sup>nd</sup> International Symposium on  
*Emerging Trends in Synthesis and Catalysis (ETSC-2023)*

*12-13<sup>th</sup> April, 2023*

**PROGRAMME SCHEDULE**

**DAY-1 (12 April,2023) Wednesday**

Inaugural Function: 9:45-11:15  
Venue: C block Auditorium

Time	INAUGURAL FUNCTION
09:45-09:50	Invocation and Welcome
09:50-09:55	Welcome address and introduction to ETSC 2023 <b>Prof Sunita Rattan</b> , Director AIAS, Chairperson ETSC 2023
09:55-10:00	Address by <b>Dr W Selvamurthy</b> President ASTIF, AUUP
10:00-10:10	Address by Guest of Honour <b>Mr Varun Singh Punia</b> , Dept of Chemicals and Petrochemicals, Deputy Industrial Advisor, Govt of India
10:10-10:15	Release of Abstract book of ETSC 2023
10:15-10:45	Inaugural Address by <b>Dr Mukul Das</b> , Director, Shriram Institute for Industrial Research, Delhi
10:45-10:55	Address by <b>Prof Balvinder Shukla</b> Vice Chancellor, AUUP, Noida, and Co-Patron, ETSC 2023
10:55-11:10	Blessings by <b>Dr Ashok K Chauhan*</b> Founder President, amity Education group, chairman, AKC group of companies, Chief Patron, ETSC 2023
11:10-11:15	Vote of thanks

Technical Session I: 12:00-13:30

Venue: C block Auditorium

**Session Chair: Dr V K Jain, Distinguished Scientist and Prof, AIRAE, Vice-president ASTIF**

**Plenary talk (12:00-12:30)**

**Prof Pravin P Ingole**, Indian Institute of Technology, Delhi

*“Electrocatalysis using nano-dimensional materials for green energy and clean environment”*

IT1: (12:30-13:00)

**Prof Ram Singh**, Department of Applied Chemistry, Delhi Technological University, Delhi

*“Some aspects of Emerging trends in Organic Synthesis”*

IT2: (13:00-13:30)

**Dr Bimlesh Lochab**, Dept of Chem, School of Natural sciences, Shiv Nadar University, Greater Noida, UP

*“Rise of benzoxazines: Conventional to innovative applications”*

Lunch break 13:30-14:30

Technical Session II 14:30-16:30

Venue: C block Auditorium

**Session Chair: Dr O. P. Sinha, Actg Director and Head, AINT, Amity University**

IT3: 14:30-15:00

**Prof Sunita Bhagat**, Atma Ram Sanatan Dharma College, University of Delhi

*“Design and strategic synthesis of some biologically important marine natural products and their fluorinated Analogues”*

IT4: 15:00-15:30

**Dr Rajeesh Sakhujia**, Department of Chemistry, BITS Pilani, Pilani, Rajasthan

*“Fused/Functionalized Diazoheterocycles via metal-Catalyzed Approaches”*

Online-IT1: 15:30-16:00

**Dr Joanna Skopinska-Wisniewska**, Nicolaus Copernicus University, Poland

*“Dually cross-linked gelatin alginate hydrogels for tissue engineering”*

Online-IT2: 16:00-16:30

**Dr Biswajit Chowdhury**, IIT (ISM) Dhanbad, Jharkand

*“Carbon-based catalyst for biomass conversion reaction”*

Oral/Poster session 16:30-18:00

**Session Chair: Dr Seema Garg, AIAS, Amity University**

Oral Presentation: C Block Auditorium

Poster presentation: Room no. LG03/LG08A

**OP-1: Dr Anand Tadas**, Malvern Panalytical

*Characterization of Metal Organic Frameworks: The building of robust structures*

**OP-2: Dr Roli Verma**, JSS Academy of Technical Education, Noida

*Microwave Assisted Synthesis of Pseudo Ladder Mono Hydroxy Pendant PolyBenzobisthiazole Thermoplastic Polymer*

**OP-3: Dr Fatima Ali Hussein**, University of Delhi

*Co(II) and Ni(II) Complexes as Electrocatalysts for Proton Reduction*

**OP-4: Mr Sachin Saini**, Amity Institute of Applied Sciences, Amity University, Noida

*Quinazolin-4-(3H)-one derivatives as an Anticancer agent*

**OP-5: Ms Shivangi Diwedi**, CFEES, DRDO

*Exploring the potential of polyurethane adhesive towards laminating dual metallised polyester with different substrates for reflecting radiative heat*

**OP-6: Ms Mansi Sharma**, Amity Institute of Applied Sciences, Amity University, Noida

*Pyridine based anti-microbial derived from para-benzoquinone with chloro terminated from benzimidazole.*

**OP-7: Ms Shweta Gomey**, Amity Institute of Applied Sciences, Amity University, Noida

*Hybrid photocatalyst for hydrogen production*

**OP-8: Ms Mayuri Gupta**, Shriram Institute for Industrial Research, Delhi

*Comparative Study of Light Emitting Diode Curable and Self-Curable Dental Resin*

<b>OP 9: Dr Md Merajul Islam</b> , IIMT University, Meerut <i>Evaluation of Dye Degradation Using Phosphorous Doped g-C<sub>3</sub>N<sub>4</sub></i>
<b>OP 10: Ms Neha Saxena</b> , IIMT University <i>Synthesis and physicochemical assessment of anionic polymeric surfactant from Palm oil for improved oil recovery</i>
<b>OP11: Mr Piyush Kumar Yadav</b> , Central University of South Bihar, Gaya <i>3D-QSAR based, pharmacophore modelling, virtual screening, and molecular docking studies for L-type calcium (LTCC) in iron overload in <math>\beta</math>-thalassemia</i>
<b>OP12: Mr Mukesh Kumar</b> , Jaiprakash University, Chapra Saran, Bihar <i>Synthesis and structural characterization of Schiff Base based transition metal complexes</i>
<b>OP13: Ms Shital M Dhakate</b> , Dhote Bandhu Science College, Gondia Maharashtra <i>Design, synthesis and pharmacology of some oxadiazole derivatives and their s-glucosides bearing thiazole scaffold</i>
<b>OP14: Ms Ashwini V Meshram</b> , Dhote Bandhu Science College, Gondia Maharashtra <i>Comparative adsorption study of heavy metals on ferrites synthesised by sol-gel and co-precipitation methods</i>

Zoom link: <https://amityuni.live/83154858189>

## DAY-2 (13 April,2023) Thursday

Technical Session III: 10:00-13:00  
Venue: C block Auditorium

<b>Session Chair: Dr Harsha Kharakwal, Director, AIPP, Amity University</b>
Online-IT3: 10:00-10:30 <b>Dr Vinoth Kumar Ponnusamy</b> , Kaohsiung Medical University, Taiwan <i>"Rapid Green Analytical Methodologies for Environmental Analysis"</i>
Online -IT4: 10:30-11:00 <b>Dr Suresh Sagadevan</b> , Nanotechnology Catalysis Research, University of Malaysia, Malaysia <i>"Graphitic Carbon nitride based nanocomposites for the photocatalysis of degradation of organic pollutants"</i>
IT5: 11:00-11:30 <b>Dr Prasun Kumar Roy</b> , Center for Fire Explosive and Environment Safety, DRDO <i>"Selecting building blocks for tuning material properties of protective polyurea coatings"</i>
IT6: 11:30-12:00 <b>Prof Nasimul Hoda</b> , Department of Chemistry, Jamia Millia Islamia, Delhi <i>"Computational assisted design and synthesis of Therapeutic agents"</i>
IT7: 12:00-12:30 <b>Dr Bhanu Pratap Singh</b> , National Physical Laboratory, Delhi <i>"Carbon nanotube incorporated activated carbon for dye removal from waste water"</i>
IT8: 12:30-13:00 <b>Dr G Bharath</b> , Department of Environmental Studies, Delhi University <i>"Role of Nanocatalysts in Biofuel Production Process"</i>

Lunch break 13:00-14:00

Oral/Poster session 14:00-15:00

**Session Chair: Prof Sangeeta Tiwari, AIAS, Amity University**

Oral Presentation: C Block Auditorium

Poster presentation: Room no. LG03/LG08A

**OP-15: Ms Isha Arora**, Amity Institute of Applied Sciences, Amity University, Noida

*Facile low temperature synthesis of bismuth molybdate stabilized ferricyanide and ferrocyanide nanocomposites*

**OP-16: Mr Abdur Rahman**, Jamia Millia Islamia, Delhi

*Design, Synthesis and Pharmacological Evaluation of Oxospiro Chromane Triazole Based Molecular hybrids as Inhibitors of Acetylcholinesterase or the Treatment of Alzheimer's Disease*

**OP-18: Ms Khushboo T Pardhi**, Department of Chemistry, RTMNU Campus, Nagpur

*Synergistic effect of solvent and Gamma Radiation on Ferrites as a Adsorbate for Methyl Orange Dye Removal*

**OP-19: Ms Sabiha Khan**, Jamia Millia Islamia, Delhi

*Structure based Design and Synthesis of Bedaquiline Analogues as an Anti-Infectious Agents*

**OP-20: Mr Nazim Ali**, Amity Institute of Applied Sciences, Amity University, Noida

*Synthesis of 2-benzyl-1H-benzimidazole Derivatives and Their Applications*

Technical Session IV: 15:00-16:00

Venue: C block Auditorium

**Session Chair: Dr Prasun Kumar Roy, CFEES, DRDO**

IT9: 15:00-15:30

**Dr Vijay Kumar**, Principal scientist, Integral Biosciences, Noida

*"An insight into the drug design and versatile Synthesis Process Development for TZD and Quinazoline derivatives"*

IT10: 15:30-16:00

**Mr Amit Singh**, Principal Scientist, Jubilant Biosys, Noida

VALEDICTORY SESSION 16:00-17:00