

*58<sup>th</sup> Annual Convention of Chemists (ACC 2021)*  
&  
*International Conference on  
Recent Trends in Chemical Sciences (RTCS-2021)*

*Inorganic Chemistry Section  
(22<sup>nd</sup>-23<sup>rd</sup> December)*



*Venue: Department of Chemistry*



**भारतीय प्रौद्योगिकी संस्थान गुवाहाटी**  
**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI**

## Scientist-in-Charge



Prof. Saurabh Das (Mob: 91238 65911)  
E-mail: saurabh.das@jadavpuruniversity.in  
Department of Chemistry, Jadavpur University

## Advisor



Prof. Samaresh Bhattacharya (Mob: 9830203354),  
E-mail: samaresh\_b@hotmail.com  
Department of Chemistry, Jadavpur University

## Convener



Prof. Chandan Mukherjee (Mob: 8011016571)  
E-mail: cmukherjee@iitg.ac.in  
Department of Chemistry, Indian Institute of Technology Guwahati

## Program Schedule

**22<sup>nd</sup> December, 2021, Wednesday**

10:00 -10:10

Introductory Remarks by:

**Scientist-in-Charge:** Prof. Saurabh Das,  
**Convener:** Prof. Chandan Mukherjee, and  
**Advisor:** Prof. Samaresh Bhattacharya

### Session 1

**Oral Presentation to be evaluated for award**

**10:10-11:25**

**Chairman cum jury member:**



**Prof. Narsimha N Murthy,**  
Department of Chemistry, IIT Madras



**Prof. Tapan K. Paine**  
IACS, Kolkata



**Prof Deepak Chopra**  
IISER, Bhopal



**Prof. M. D. Pandey**  
BHU, Banaras

## Session 2

### Invited and Endowment Lectures

Chairman:



**Prof. U. P. Singh,**  
Department of Chemistry, IIT Roorkee

L1

11:30-12:00



**Professor A S R Anjaneyulu**  
**60<sup>th</sup> Birth Day**  
**Commemoration Award**  
**Lecture**

**Professor Surajit Chattopadhyay**  
*Department of Chemistry, University*  
*of Kalyani, Kalyani, Nadia, West*  
*Bengal – 741235, India*

**Title:** Transition metal complexes in  
stoichiometric and catalytic  
transformations

**Chairman:**



**Prof. Rajeev Gupta,**  
**Department of Chemistry, University of Delhi**

L2	12:05-12:35		<p><b>Professor Sakya S. Sen</b> <i>Inorganic Chemistry and Catalysis Division, CSIR-National Chemical Laboratory, Pune, India</i></p> <p><b>Title:</b> Amidinatohypersilylsilylene: A New Synthone in Silicon Chemistry</p>
L3	12:40-13:10		<p><b>Professor Manindranath Bera</b> <i>Department of Chemistry, University of Kalyani, Kalyani, Nadia, West Bengal – 741235, India</i></p> <p><b>Title:</b> Structural and Functional Aspects of Multinuclear Metal Complexes Supported by Carboxylate-Based Ligands</p>

**Recess: 13:20 – 14:00**

## Session 3

Chairman:



**Prof. Ramaswamy Murugavel**  
Department of Chemistry, IIT Bombay

L4 14:00-14:30



**Professor Iti Gupta**  
*Indian Institute of Technology  
Gandhinagar, Palaj Campus,  
Gandhinagar- 382355, India*

**Title:** BODIPY based bio-sensors  
and PDT agents

L5 14:35-15:05



**Professor Mauro Botta**  
*Department of Sciences and  
Technological Innovation, University  
of Eastern Piedmont "Amedeo  
Avogadro", Viale Teresa Michel 11,  
15121-Alessandria, Italy*

**Title:** The surprising complexity of  
the [Ln(AAZTA)]-chelates  
revealed by NMR in the frequency  
and time domain

**Recess: 15:15 – 15:30**

## Session 4

Chairman:



**Prof. Rabindranath Mukherjee**  
Department of Chemistry, IIT (ISM) Dhanbad

L6

15:40-16:10



**Professor Antoni Llobet**

*Institute of Chemical Research of Catalonia (ICIQ), Barcelona Institute of Science and Technology (BIST), Av. Països Catalans 16, E-43007 Tarragona, Spain*

**Title:** Molecular Water Oxidation Catalysts Anchored on Conductive and Semiconductive Surfaces

## Session 5

Chairman:



**Prof. Gopal Das,**  
Department of Chemistry, IIT Guwahati

L7 16:15-16:45



**Professor Vellaichamy Ganesan**  
*Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221005, UP, India*

**Title:** Metal porphyrins and phthalocyanines on porous supports for the electrocatalytic oxygen reduction reaction

L8 16:50-17:20



**Professor Snehadrinarayan Khatua**  
*Centre for Advanced Studies, Department of Chemistry, North-Eastern Hill University, Shillong-793022, Meghalaya, India*

**Title:** Luminescence tuning of d6-metal polypyridine complexes for sensing and bioimaging.



## Session 6

### Poster Presentation

17:30-19:00

Chairman cum jury member:



**Prof. Kaushik Ghosh,**  
Department of Chemistry, IIT Roorkee

### Other Jury Members



**Prof. Subrata Ghosh**  
IIT, Mandi



**Prof. Sanjib Kar**  
NISER, Bhubaneswar



**Prof. A. Thirumurugan**  
IISER, TVM

**23<sup>rd</sup> December, 2021, Thursday**

**Session 1**

**Oral Presentation to be evaluated for award**

**10:00-11:30**

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**Prof. Narsimha N Murthy,  
Department of Chemistry, IIT Madras**



**Prof. T. K. Paine  
IACS, Kolkata**



**Prof Deepak Chopra  
IISER, Bhopal**



**Prof. M. D. Pandey  
BHU, Banaras**

## Session 2

### Invited and Endowment Lectures

Chairman:



**Prof. Srinivasan Natarajan**

The Solid State and Structural Chemistry Unit, IISc, Bangalore

L9

11:30-12:00



**Professor H L Nigam**  
**Memorial Award Lecture**



**Professor Shyamal Chattopadhyay**  
*Indian Institute of Engineering Science  
and Technology, Howrah, 711103,  
West Bengal, India*

**Title:** Biomimetic Chemistry-  
Learning from Nature to Design  
Environmentally Benign Catalysts

**Chairman:**



**Prof. Manish Bhattacharjee,**  
**Department of Chemistry, IIT Kharagpur**

L10	12:05-12:35		<p><b>Professor R. Boomi Shankar</b> <i>Department of Chemistry and Centre for Energy Science, Indian Institute of Science Education and Research (IISER), Pune, Pune – 411008, India,</i></p> <p><b>Title:</b> Hybrid Organic-Inorganic Ferroelectrics for Piezoelectric Energy Harvesting Applications</p>
L11	12:40-13:10		<p><b>Professor Shaikh M. Mobin</b> <i>Centre for Biosciences and Bio-Medical Engineering, Discipline of Chemistry, Indian Institute of Technology Indore 453552, India.</i></p> <p><b>Title:</b> Click reaction driven fluorescent organometallic complexes labelled as a cellular organelle tracker in live cells and a rare Au...H interactions</p>

**Recess: 13:20 – 14:00**

## Session 3

Chairman:



**Prof. Balaji R. Jagirdar**

**Department of Inorganic and Physical Chemistry, IISC, Bangalore**

L12 14:00-14:30



**Professor Tharamani C. N.**

*Department of Chemistry, Indian Institute of Technology Ropar, Rupnagar 140001, Punjab, India*

**Title:** Design of non-noble metal catalyst with potential efficacy for clean energy conversion

L13 14:35-15:05



**Professor Kanishka Biswas**

*New Chemistry Unit & International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur P.O., Bangalore 560064, India,*

**Title:** Enhanced Atomic Ordering and Nanostructuring Boost the Thermoelectric Performance to an Ultra-high Value



**Recess: 15:15 – 15:30**

## Session 4

Chairman:



**Prof. Abhishek Dey,**  
School of Chemical Sciences, IACS, Kolkata

L14	15:40-16:10	 A portrait of Professor Richard Winpenny, a man with glasses and a mustache, wearing a red shirt.	<b>Professor Richard Winpenny</b> <i>Department of Chemistry, School of Natural Sciences, The University of Manchester, Oxford Road, Manchester, UK</i>  <b>Title:</b> Supramolecular Assemblies Made from Heterometallic Rings
L15	16:15-16:45	 A portrait of Professor Jitendra K. Bera, a man with glasses, wearing a blue shirt.	<b>Professor Jitendra K. Bera</b> <i>Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh-208016, India</i>  <b>Title:</b> Ligand Electronic Asymmetry in Organometallic Catalysis

## Session 5

**Poster Presentation and Valedictory**

**17:00-18:30**