

Sponsored by **Sister Nivedita University**

Venue: University College of Science and Technology, University of Calcutta, Kolkata-700009 (Rajabazar)

**ICCHD-2026: Program Schedule Day-1 (10<sup>th</sup> January, 2026, Saturday)**

**Breakfast & Registration: 8:00-8:55AM**

**11:00AM-11:55AM: Inaugural Ceremony (Mukto Mancho)**

**Garlanding the portrait of Prof. Asima Chatterjee and Song**

**Welcome Address by the Conference Chair and Vice-President of Professor Asima Chatterjee Foundation Kolkata (PACFK)**

**Address by the *Pro-Chancellor, Sister Nivedita University***

**Address by the *Vice-Chancellor, Sister Nivedita University***

**Address by the *Registrar, Biswa Bangla Biswabidyalay***

**Address by the HOD, Department of Chemistry**

**Vote of Thanks by the Convener of the conference**

Sponsored by **Syngenta Biosciences Pvt. Ltd.**

**Hall-1** (Meghnad Saha Auditorium,

Meghnad Saha Bhavan, 1<sup>st</sup> floor)

*Technical Session 1*

**Hall-2** (N R Sen Auditorium,

Ground Floor, N R Sen Building)

*Technical Session 2*

**Hall-3** (Chemistry Lecture

Theatre, Palit Building, 1<sup>st</sup> floor

*Technical Session 3*

Chairman: Prof. B. C. Ranu, IACS

Chairman: Prof. A. K. Chakraborti, NIPER Mohali

Chairman: Prof. Nikhil Guchhait,  
University of Calcutta

<p><b>9:00AM-9:30 AM</b></p> <p><b>Plenary Lecture -1:</b></p> <p><b>Speaker: Prof. Bimal K. Banik, Prince Mohammed Bin Fahd University, Saudi Arabia</b></p> <p><b>Title: Synthesis and Biological Evaluation of Novel Anticancer Polyaromatic Compounds</b></p>	<p><b>9:00AM-9:30 AM</b></p> <p><b>Plenary Lecture -3:</b></p> <p><b>Speaker: Prof. Manas K. Ghorai, IIT Kanpur</b></p> <p><b>Title: Asymmetric Synthesis of Bioactive Compounds <i>via</i> DKR</b></p>	<p><b>9:00AM-9:30 AM</b></p> <p><b>Plenary Lecture -5</b></p> <p><b>Speaker: Prof. Suhrit Ghosh, IACS</b></p> <p><b>Title: Redox-Activable Heavy Atom Free Photodynamic Therapy</b></p>
<p><b>9:30-10:00 AM:</b></p> <p><b>Plenary Lecture -2</b></p> <p><b>Speaker: Prof. Thirupathi Barla, IISER Berhampur</b></p> <p><b>Title: 2-Keto-1,3-Indandione, a Versatile Ingredient for the Synthesis of Medicinally Important Carbocyclic and Heterocyclic Compounds</b></p>	<p><b>9:30-10:00 AM</b></p> <p><b>Plenary Lecture -4</b></p> <p><b>Speaker: Prof. Subhas C. Pan, IIT Guwahati</b></p> <p><b>Title: Iridium and Silver Catalyzed Cyclization Reactions</b></p>	<p><b>9:30-10:00 AM</b></p> <p><b>Plenary Lecture -6</b></p> <p><b>Speaker: Prof. Ajit K. Mahapatra, IEST Shibpur</b></p> <p><b>Title: Real-Time Detection of Chemical Warfare Agents Through Advanced Chemosensor Detection Method</b></p>
<p><b>10:00-10:30 AM: PACA Lecture-1</b></p> <p><b>PAC Award Lecture (International)</b></p> <p><b>Speaker: Prof. Arun K. Ghosh, Purdue University, USA</b></p> <p><b>Title: Bioactive Natural Products and Their Enduring Molecular Templates for Innovative Molecular Design</b></p>	<p><b>10:00-10:20 AM</b></p> <p><b>Invited Lecture-1</b></p> <p><b>Speaker: Prof. Alakananda Hajra, Visva-Bharati</b></p> <p><b>Title: Molecular Editing of Azaheterocycles</b></p>	<p><b>10:00-10:20 AM</b></p> <p><b>Invited Lecture-4</b></p> <p><b>Speaker: Prof. Prithidipa Sahoo, Visva-Bharati</b></p> <p><b>Title: Smart Nanosensors at the Interface of Environmental Sustainability and Human Health</b></p>



<p><b>12:00-12:30 PM</b>  <b>Plenary Lecture-7</b>  <b>Speaker: Prof. Debabrata Maiti, IIT Bombay</b></p> <p><b>Title: Unlocking new chemical space via selective catalysis</b></p>	<p><b>12:00AM-12:30 PM</b>  <b>Plenary Lecture-9</b>  <b>Speaker: Prof. Sabuj Kundu, IIT Kanpur</b></p> <p><b>Title: Cobalt-Single-Atom Catalyzed Small Molecule Activation</b></p>	<p><b>12:00AM-12:30 PM</b>  <b>Plenary Lecture-11</b>  <b>Speaker: Prof. Debasis Bandyopadhyay, University of Calcutta</b></p> <p><b>Title: Diclofenac Induced Cardiac-Injury: Protection By Melatonin</b></p>
<p><b>Time: 12:30-1:00 PM</b>  <b>Plenary Lecture-8</b>  <b>Speaker: Prof. Yoichiro Kuninobu, Kyushu University, Japan</b></p> <p><b>Title: Non-covalent Interaction-Controlled Site-selective C–H Transformations</b></p>	<p><b>Time: 12:30-1:00 PM</b>  <b>Plenary Lecture -10</b>  <b>Speaker: Prof. Dibyendu Das, IISER Kolkata</b></p> <p><b>Title: Non-equilibrium self-assembly for living matter-like properties</b></p>	<p><b>Time: 12:30-1:00 PM</b>  <b>Plenary Lecture -12</b>  <b>Speaker: Prof. P. Jaisankar, IICB Kolkata</b></p> <p><b>Title: Synthetic Small-Molecule Modulators for the Rare Genetic Disease Friedreich’s Ataxia: A Dual-Mechanistic Approach</b></p>
<p><b>Time: 10:00-1:30 PM</b>  <b>PACA Lecture-3</b>  <b>PAC Award Lecture (Industry)</b></p> <p><b>Speaker: Dr. Thomas Colacot, Hindustan Platinum Pvt Ltd</b></p> <p><b>Title: Advancing Human Development with Next-Gen Sustainable Palladium Catalysts for Pharmaceuticals</b></p>	<p><b>Time: 1:00-1:20 PM</b>  <b>Invited Lecture-7</b>  <b>Speaker: Prof. Amit Saha, Jadavpur University</b></p> <p><b>Title: Dithiocarbamate Mediated Synthesis of Useful Organic Molecules</b></p>	<p><b>Time: 1:00-1:20 PM</b>  <b>Invited Lecture-9</b>  <b>Speaker: Prof. Koena Ghosh, Presidency University</b></p> <p><b>Title: Direct homo Michael type addition of deconjugated butenolides to donor-acceptor cyclopropane under catalytic activation</b></p>

<b>Time: 1:30-2:00 PM PACA Lecture-4</b> <b>Plenary Lecture: PAC (National Young Scientist) Award Lecture</b>  <b>Prof. Uttam K. Ghorai, RKMV Belur</b>  <b>Title: Magneto-Electrochemical Ammonia Synthesis via NOx Reduction</b>	<b>Time: 1:20-1:40 PM</b> <b>Invited Lecture-8</b> <b>Speaker: Prof. Avik K. Bagdi, KU</b>  <b>Title: Shining Light on Cross-Dehydrogenative Synthesis of Functionalized Heterocycles</b>	<b>Time: 1:20-1:40 PM</b> <b>Invited Lecture-10</b> <b>Speaker: Dr. Bibaswan Biswas, CRAH</b> <b>Title: From Pharmacopoeial Compliance to Chemical Markers: Advancing Quality Control of Homoeopathic Medicines</b>
	<b>Time: 1:40-2:00 PM</b>  <b>Sponsor Lecture-1:</b> <b>Speaker: Dr. Subhabrata Mukhopadhyay, Wiley</b>  <b>Title: ICCHD Special Collection and Today's Publication Landscape</b>	<b>Time: 1:40-2:00 PM</b> <b>Invited Lecture-11</b>  <b>Speaker: Dr. Krishna Chattopadhyay, WS-CU</b> <b>Title: Metal–Organic Framework–Based Composites for High-Performance Aqueous Symmetric Supercapacitor Applications</b>
<b>1:50-3:25PM Lunch Break</b>		
<b>Hall-1</b> (Meghnad Saha Auditorium, Meghnad Saha Bhavan, 1 <sup>st</sup> floor)  <i>Technical Session 7</i>	<b>Hall-2</b> (N R Sen Auditorium, Ground Floor, N R Sen Building)  <i>Technical Session 8</i>	<b>Hall-3</b> (Chemistry Lecture Theatre, Palit Building, 1 <sup>st</sup> floor)  <i>Technical Session 9</i>
Sponsored by <i>Royal Society of Chemistry</i>		
<b>Chairperson Prof. Fumitoshi Kakiuchi, University of Keio, Japan</b>	<b>Chairperson: Prof. Arun K. Ghosh, Purdue University, USA</b>	<b>Chairperson: Dr. Sitaram Pal, Former Scientist, Syngenta Biosciences Pvt. Ltd.</b>
<b>3:30-4:00PM</b> <b>Plenary Lecture-13:</b>	<b>3:30-4:00PM</b> <b>Plenary Lecture-15</b>	<b>3:30-4:00PM</b> <b>Plenary Lecture-16</b>

<p><b>Speaker: Prof. Bruce A. Arndtsen, McGill University, Canada</b></p> <p><b>Title: Alternative Energy Drivers in Metal Catalyzed Coupling Reactions</b></p>	<p><b>Speaker: Prof. Goutam Brahmachari, Visva-Bharati</b></p> <p><b>Title: Application of Green Tools in Modern Organic Synthesis</b></p>	<p><b>Speaker: Prof. Aniruddha Banerji</b></p> <p><b>Title: All-trans Retinoic Acid (ATRA): A Potent Inhibitor of Matrix Metalloproteinases and Cellular Signalling Cascades in Cervical Cancer Cells</b></p>
<p><b>Time: 4:00-4:30PM</b> <b>Plenary Lecture-14:</b></p> <p><b>Speaker: Prof. A. T. Biju, IISc</b></p> <p><b>Title: N-Heterocyclic Carbene-Catalyzed Synthesis of C-N, C-O and N-N Axially Chiral Molecules</b></p>	<p><b>Time: 4:00-4:20PM</b> <b>Invited Lecture-12</b></p> <p><b>Speaker: Prof. R. Natarajan, IICB</b></p> <p><b>Title: Supramolecular Organic Frameworks for Efficient Iodine Capture</b></p>	<p><b>Time: Time: 4:00-4:20PM</b> <b>Invited Lecture-14</b></p> <p><b>Speaker: Prof. Joydev K. Laha, NIPER Mohali</b></p> <p><b>Title: Radical Generation, Philicity, and Reactivity (R-GPR) in the Synthesis of Pharmaceuticals</b></p>
<p><b>Time: 4:30-5:00PM; PACA Lecture-5</b> <b>Speaker: Prof. Shoubhik Das, Germany</b></p> <p><b>Title: Turning CO<sub>2</sub> into Opportunity: Designing Catalysts for Versatile Applications</b></p>	<p><b>Time: 4:20-4:40 PM</b> <b>Invited Lecture-13</b></p> <p><b>Speaker: Prof. Raj Nandi, Jadavpur University</b></p> <p><b>Title: Discovery of New Cyclic Hypervalent Iodine Reagents &amp; Its Application Towards Synthesis for Therapeutic Interest</b></p>	<p><b>Time: 4:20-4:40 PM</b> <b>Invited Lecture-15</b></p> <p><b>Speaker: Prof. Poulami Hota, MAC</b></p> <p><b>Title: Metal free organo-electrocatalyst for electrocatalytic hydrogen generation</b></p>
	<p><b>Time: 4:40-5:00 PM</b> <b>Sponsor Talk-2</b></p> <p><b>Speaker: Dr. Dipankar Malakar, Sciex</b></p>	<p><b>Time: 4:40-5:00 PM</b> <b>Invited Lecture-16</b></p> <p><b>Speaker: Dr. Manosi Das, CCRAS, Kolkata</b></p> <p><b>Title: Analysis of Plant based Drugs and of Essential Oils from Indian and African sources: HPTLC, GC-MS, Anti-oxidant</b></p>

		assay and <i>In-silico</i> approaches	
4:50-5:00 PM	Tea Break		
Sponsored by <i>TCG Life Sciences Limited</i>			
<b>Hall-1</b> (Meghnad Saha Auditorium, Meghnad Saha Bhavan, 1 <sup>st</sup> floor)  <i>Technical Session 10</i>	<b>Hall-2</b> (N R Sen Auditorium, Ground Floor, N R Sen Building)  <i>Technical Session 11</i>	<b>Hall-3</b> (Chemistry Lecture Theatre, Palit Building, 1 <sup>st</sup> floor)  <i>Technical Session 12</i>	
Sponsored by			
Chairman: Prof. Stephen Hashmi, Germany	Chairman: Prof. Yoichiro Kuninobu, Kyushu University, Japan	Chairman: Prof. Kaliprasanna Dhara, University of Calcutta	
5:10-5:40PM: PAC Lecture 10 PAC (International) Award Lecture (Shifted from Day-2)  Speaker: Prof. Kyoko Nozaki, University of Tokyo, Japan  Title: Efficient Recycling of Plastic Wastes Using Controlled –Active-Site Catalysts	5:00-5:30PM Plenary Talk-20:  Speaker: Prof. Ramkrishna G. Bhat, IISER Pune  Title: Versatile Reactivity of Diazo Carbonyl Compounds Towards Metal Catalysts and Visible Light	5:00-5:30PM Plenary Talk-21:  Speaker: Prof. Sanjib Bhattacharya, NBU  Title: Development of Na <sub>2</sub> O Doped Solid State Glassy System for Supercapacitor  Applications: Study of Electrical and Electrochemical Properties	
5:40-6:10 PM Plenary Lecture-18  Speaker: Prof. Yasushi Nishihara, Okayama University, Japan	5:30-5:50 PM Invited Lecture-17 Speaker: Prof. Subhash Samanta, CU  Title: Photoswitchable Antibiotics to Combat	5:30-5:50 PM Invited Lecture-22 Speaker: Prof. Anindita Das, IACS  Title: A Versatile Condensation	

<b>Title: Photovoltaic Properties of Organic Thin-film Solar Cells Based on Semiconducting Polymers</b>	<b>Antibiotic Resistance</b>	<b>Polymerization Route to Functional Degradable Polymers</b>
<b>6:10-6:40PM</b> <b>Plenary Lecture-19</b>  <b>Speaker: Prof. Masahiro Terada, Tohoku University, Japan</b>  <b>Title: Enantioselective Catalysis by Higher Order Organosuperbase</b>	<b>5:50-6:10PM</b> <b>Invited Talk-18</b>  <b>Speaker: Prof. Santanu Panda, IIT Kgp</b>  <b>Title: Stereoselective Synthesis of Olefin by Exploiting Vinyl Boronates and Amino Acids</b>	<b>5:50-6:10PM</b> <b>Invited Talk-23</b>  <b>Speaker: Prof. Mahasweta Nandi, Visva-Bharati</b>  <b>Title: Supercapacitors Based on Carbon Nanofibers of Bacterial Cellulose Decorated with Polydopamine</b>
<b>6:40-7:00PM</b> <b>Plenary Lecture-48</b> <b>Speaker: Prof. Sanjib Panda, IIT Madras</b>  <b>Title: Model Study of Oxy-tyrosinase</b>	<b>6:10-6:30PM</b> <b>Invited Talk-19</b> <b>Speaker: Prof. Biswajit Maji, IGNTU</b>  <b>Title: NHC-catalyzed Enolate and Homoenolate Michael Additions to Nitroalkenes Embedded in Benzo-fused Heterocycles</b>	<b>6:10-6:30PM</b> <b>Invited Talk-24</b> <b>Speaker: Prof. Hari Sankar Biswas, SNC</b>  <b>Title: Hydrogenated Diamond-Like Carbon as a Robust Carbon Nanomaterial for Advanced Energy Storage</b>
	<b>6:30-6:50PM</b> <b>Invited Lecture-20</b> <b>Speaker: Prof. Soumen K. Samanta, Biswa Bangla Biswabidyalay</b>  <b>Title: A High-Affinity "Synthavidin" Receptors for Squaraine Dyes</b>	<b>6:30-6:50PM</b> <b>Invited Lecture-25</b> <b>Speaker: Prof. Mossaraf Hossain, NBU</b>  <b>Title: Unfolding a Greener Methodology for the Synthesis of Novel Heterocycles using a Biocatalyst in Aqueous Medium</b>
		<b>6:50-7:00PM</b> <b>Invited Lecture-26 (Short)</b>

		<p><b>Speaker: Prof. Antara Roy, Adamas University</b></p> <p><b>Title: Application of edible coating on different types of fruits and vegetables and assesing their cytotoxic effects</b></p>
<p><b>7:00-7:30 PM</b></p> <p style="text-align: center;"><b>Mukto Mancho</b></p> <p><b>Panel Discussion: Industry Academia Consortium</b></p> <p><b>Topic: Industry-Academia Collaboration and Job Opportunity</b></p> <p><b>Executive Members: Prof. Dilip K. Maiti, Vice-Chancellor, Biswa Bangla Biswabidyalay</b></p> <p style="padding-left: 40px;"><b>: Prof. Stephen Hashmi, Heidelberg University, Germany</b></p> <p style="padding-left: 40px;"><b>: Dr. Ashoke Banerjee, PACFK</b></p> <p style="padding-left: 40px;"><b>: Dr. Thomas Colacot, Hindustan Platinum Pvt Ltd</b></p> <p style="padding-left: 40px;"><b>: Dr. Sujit Ghoria, Syngenta Biosciences Pvt Ltd</b></p> <p style="padding-left: 40px;"><b>: Dr. Susanta Samanta, TCGLS Kolkata</b></p>		
<p><b>7:30-9:00 PM</b></p> <p style="text-align: center;"><b>Dinner</b></p>		
<p><b>Day 2: Technical Sessions will be started at 9AM tomorrow</b></p>		