

## DAY 2: February 21, 2025 - Technical Sessions and Poster Presentations

Time	Session	Speakers/Details
09:00 - 09:30	<b>MORNING COFFEE AND NETWORKING</b>	
09:30 - 10:15	<b>Keynote Session 2</b>	<b>Prof. Smita S. Lele</b> , ICT Mumbai <b>Title of the Talk:</b> <i>Sustainable technologies for small scale agri produce processing</i>
10:30-11:30	<b>Plenary Session 2</b>	<b>Session on Interdisciplinary Innovation By Larsen &amp; Tubro</b>
11:30 - 13:45 Central Auditorium	<b>Plenary Session: 3</b> <b>Session 3 (a): Sustainability and Green Technologies (GREEN/BLUEBIOTECHNOLOGY)</b>	<ul style="list-style-type: none"> <li>• Engineering Solutions for Climate Change and Environmental Protection</li> <li>• Circular Economy and Sustainable Manufacturing</li> <li>• Green Engineering Innovations in Construction and Infrastructure</li> <li>• Waste Management: New Solutions in Recycling and Waste-to-Energy Technologies</li> <li>• Marine Biotechnology for Environmental Solutions</li> </ul>
<b>Session Incharges</b>	<b>Chairperson</b>	<b>Dr. Feroz Khan</b> Senior Principal Scientist, CSIR-CIMAP, Lucknow
	<b>Co-Chairperson</b>	<b>Dr. Vishal Mishra</b> , IIT-BHU
	<b>Rapporteur</b>	<b>Prof. Shazia Usmani</b> Pharmacy, Integral University, Lucknow
	<b>Coordinator:</b>	<b>Dr. Reena Vishvakarma</b> , Asst. Professor, Dept. of Bioengineering, IU
11:30-12:15	<b>Speaker</b>	<b>1. Prof. Mohammad Jawaid</b> Professor, Chemical & Petroleum Engineering (COE), United Arab Emirates University, Al Ain, UAE <b>Title:</b> <i>Waste to Wealth: Biomass Conversion to Sustainable Packaging materials</i>
12:15-13:00		<b>2. Dr. Jayati Trivedi</b> Former Senior Scientist, CSIR-Indian Institute of Petroleum, Dehradun <b>Title:</b> <i>Biofuels-promise for sustainable energy and challenges.</i>
		<b>3. Muhammad Farhan</b> Asst. Prof., Glocal University, Saharanpur <b>Title:</b> <i>Advanced Hybrid Bio composites for</i>

<i>Sustainable Applications</i>		
<b>13:45-14:30</b>	<b>LUNCH</b>	
<b>14:30-15:15</b>	<b>4. Prof. Charles Brennen (Online)</b> Chief Scientific Director Food & Nutrition Innovation Hub RMIT, Australia <b>Title:</b> <i>Mushrooms and their therapeutic effects on physiology, nutrition and psychology- Harnessing Nature's Power</i>	
<b>15:15-16:00</b>	<b>5. Dr. Sandeep Sharma</b> CEO & Co-founder, NeatMeatt Biotech Pvt Ltd, New Delhi <b>Title:</b> <i>Reducing the carbon footprint utilizing biotechnology approaches for a healthy environment'</i>	
<b>11:30 – 13:45 Hall 1</b>	<b>Parallel Session</b> <b>Session 3(b): Integration Innovation (GOLDEN BIOTECHNOLOGY)</b> <ul style="list-style-type: none"> <li>• Medical Devices and Wearable Technology Innovations</li> <li>• Medical Imaging and Diagnostics</li> <li>• Biomarker Discovery and Disease Prediction</li> <li>• Bioinformatics and Data Analysis</li> <li>• Synthetic Biology and Bioengineering</li> <li>• Biomaterials and Nanotechnology</li> <li>• Sustainable and Eco-friendly Textiles &amp; Dyeing</li> <li>• Robotics and Automation</li> <li>• Additive Manufacturing (3D Printing)</li> <li>• Biomechanics</li> </ul>	
<b>Session Incharges</b>	<b>Chairperson</b>	<b>Dr. Imran Siddiqui,</b> Chief Scientist, CSIR-CDRI, Lucknow.
	<b>Co-Chairperson</b>	<b>Dr. Shishir Kumar Gupta,</b> Department of Bioinformatics, Biozentrum, Universität Würzburg, Germany Assistant Professor, CBMR, Lucknow
	<b>Rapporteur</b>	<b>Prof. Snober S Mir,</b> Head, Dept. of Bioscience, IU
	<b>Coordinator:</b>	<b>Dr. Imran Hussain,</b> Asst. Professor, Dept. of Bioengineering, IU
<b>11:30 -12:15</b>	<b>Speakers</b>	<b>1. Dr. Syed Mohd. Shozeb,</b> Computational Biophysics, University College, London <b>Title:</b> <i>ML-Driven Molecular Simulations:</i>

		<i>Predicting <math>\beta</math>-Lactamase Function and Inhibitor Interactions</i>
<b>12:15-13:00</b>	<b>2. Dr. G. P. S. Raghava, (Online)</b>	Head & Professor, Department of Computational Biology, IIT-Delhi, India <b>Title:</b> <i>Bioinformatics Resources for Genetically Modified Crops</i>
<b>13:00-13:45</b>	<b>3. Prof. Naidu Subbarao,</b>	JNU, New Delhi <b>Title:</b> <i>Structure Based Drug designing of antimalarial, antituberculosis and Anticancer agents</i>
<b>13:45-14:30</b>	<b>LUNCH</b>	
<b>14:30-15:15</b>	<b>4. Dr. Jayaram, (Online)</b>	Computational biology, IIT Delhi <b>Title:</b>
<b>15:15-16:00</b>	<b>5. Prof. Amir Ahmad</b>	Senior scientist, Translational research Lab, Hamad Medical Cooperation, Doha Qatar <b>Title:</b> <i>Epigenetic signature for Stratification of Responders to immunotherapy in non-small cell lung cancer</i>
<b>11:30 - 13:45</b> <b>Hall 2</b>	<b>Parallel session</b> <b>Session 3 (c) Food science, engineering and Technology (Yellow Biotechnology)</b> <ul style="list-style-type: none"> <li>• Food Quality and Safety Engineering</li> <li>• Innovations in Food Preservation and Shelf-Life Extension</li> <li>• Food Biotechnology and Genomics</li> <li>• Automation and AI in Food Engineering</li> <li>• Circular Economy and Waste Valorisation in Food Engineering</li> <li>• Smart and Functional Food Packaging</li> <li>• Nutritional Engineering and Reformulation</li> </ul>	
<b>Session Incharges</b>	<b>Chairperson</b>	<b>Dr. P. P. Gothwal,</b> Director, CFTRI, Lucknow
	<b>Co-Chairperson</b>	<b>Dr. Suaib Luqman,</b> Senior principal scientist, CSIR-CIMAP, Lucknow.
	<b>Rapporteur</b>	<b>Dr. Neelam Pathak,</b> Professor, Dept. of Bioengineering, IU
	<b>Coordinator</b>	<b>Ms. Gazia Nasir,</b> Asst. Professor, Dept. of Bioengineering, IU
<b>11:30-12:15</b>	<b>Speakers:</b>	1. <b>Prof. R. Mahendran,</b> Head Department of Food Process Technology,

		NIFTEM, Thanjavur <b>Title:</b> <i>Cold plasma applications in Agri food processing</i>
<b>12:15-13:00</b>		<b>2. Mr. Nilesh Lele,</b> President, Chamber for Advancement of Small and Medium Businesses, Mumbai <b>Title:</b> <i>How to make your food &amp; Biotech startup Fundable and funding ready</i>
<b>13:00-14:00</b>	<b>LUNCH</b>	
<b>14:00-14:45</b>		<b>3. Dr. D. D. Wadikar (Online)</b> Scientist, DRDO, Mumbai <b>Title:</b> <i>Novel Nutrients and Smart Proteins for Alleviating Nutritional and Physiological Challenges in Extreme Environments</i>
<b>14:45-15:30</b>		<b>4. Dr. Tariq Ahmad Ganaie</b> Head, Department of Food Technology Islamic University of Science and Technology, Awantipora, India <b>Title:</b> <i>Artificial intelligence in Food Industry</i>
<b>16:15-16:30</b>	<b>TEA BREAK</b>	
<b>16:30-17:30 (HALL 4)</b>	<b>ROUND TABLE TALK</b>	<b>Industrial Partners</b>
<b>15: 00- 17:00 (HALL 2)</b>	<b>School Students Session Faculty Coordinators</b>	Planet Protectors Oratory Competition  <b>Dr. Ashish</b> , Assistant Professor, Dept. of Bioengineering, IU
<b>15:00-17:00</b>	<b>Research Showcase</b>	<b>Oral Session: Research Innovations &amp; Research Meet</b>
<b>Hall 1</b>	<b>Blue/Green Biotechnology</b>	<b>Faculty Coordinators:</b> <b>Prof. Iffat Zareen Ahamad</b> , Dept. of Bioengineering, IU <b>Dr. Taiba Saeed</b> Asst. Professor, Dept. of Bioscience, IU
<b>Hall 1</b>	<b>Golden Biotechnology</b>	<b>Dr. Reena Vishvakarma</b> , Asst. Professor, Dept. of Bioengineering, IU <b>Dr. Zeeshan Rafi</b> Asst. Professor, Dept. of Bioengineering, IU
<b>Hall 3</b>	<b>Yellow Biotechnology</b>	<b>Dr. Poonam Sharma</b> Asst. Professor, Dept. of Bioengineering, IU <b>Dr. Durdana Yasin</b> Asst. Professor, Dept. of Bioscience, IU
<b>Hall 3</b>	<b>Red Biotechnology</b>	<b>Dr. Roohi</b> Dept. of Bioengineering, IU

**Dr. Andleeb Khan,**  
Assoc. Professor, Dept. of Bioscience, IU

**17:00-17:15**

**TEA BREAK**

**17:15-19:00**

**Eco Influence**

**1. Green Voices**

**Coordinator:**

**Mr. Suhail Ahmad**

Dept. of Bioengineering, IU

**2. Eco Advocate**

**Coordinator:**

**Dr. Reena Vishvakarma,**

Asst. Professor, Dept. of Bioengineering, IU

**Ms. Haram Sarfaraz,**

Dept of Bioengineering, IU