

International Conference on Sustainable Peace for Growth

24-25th April 2026

Conference Session - Science & Sustainability

Venue – AB1 Board Room

Time	Duration	Title of the talk	Details
10:00 – 10:10	10 min	Welcome Address & Opening	Dr Ashwini Nangia, Dean, R & D, UPES
10:10 – 10:40	30 min	Government of India policies for Sustainable peace <i>Keynote</i>	Dr S K Varshney, Former Advisor, DST
10:40 – 10:55	15 min	Artificial Intelligence and Digital Twins for Sustainable Peace: Technical Frameworks, Governance Challenges, and Global Implications <i>Invited talk</i>	Dr Neelmani, Swami Rama Himalayan University, Haridwar
10:55 – 11:10	15 min	Empowering Choices: A New Reservation Framework for a United India <i>Invited Talk</i>	Dr Ashwini K Dubey, Amity University, Noida
11:10 – 11:25	15 min	Structural understanding and modification of biomacromolecules using green chemistry <i>Invited Talk</i>	Dr Vineet, FRI, Dehradun
Tea Break			
11:45 – 11:55	10 min	Sustainable Nanolubricants for Climate-Resilient Technologies: A Tribological Approach Towards Energy Efficiency and Ecological Stability <i>Oral presentation</i>	Dr Gagan Anand, UPES
11:55 – 12:05	10 min	Development of a Novel Borophene-Modified Sustainable Biosensor Technology for the Early Detection of Acute Myocardial Infarction <i>Oral presentation</i>	Mr Sumit Kumar Yadav, PhD Scholar, UPES
12:05 – 12:15	10 min	Geometric Design Rules for Sustainable and Waste-Efficient Microneedle Fabrication	Mr Mrinal, PhD Scholar, UPES

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		<i>Oral presentation</i>	
12:15 – 12:25	10 min	Scalable Magnetic Tea Waste-Derived ZIF-8/TiO ₂ /Fe ₃ O ₄ Nanocomposite for As(III) Remediation in Water and Point-of-Use Filtration <i>Oral presentation</i>	Mr Rana Amit Kumar, PhD Scholar, UPES
Digital Poster presentation			
12:30 – 12:35	5 min	Bone tissue regeneration	Ms Adonea S Nandy, UG student, Dev Bhoomi Uttarakhand University
12:35 – 12:40	5 min	CCUS Review: Capture Advances, Challenges, and Prospects	Ms Riya, UG student, Dev Bhoomi Uttarakhand University
12:40 – 12:45	5 min	A Review on Gold Nanoparticles and Their Biological Applications	Ms Manisha and Mansi Chamoli, UG student, Dev Bhoomi Uttarakhand University
12:45 – 12:50	5 min	Eco-Friendly MIPs for Persistent Organic Pollutants Detection and Climate Mitigation	Ms Anoushka Anuj, PhD Scholar, UPES
12:50 – 12:55	5 min	A Sustainable Electrochemical Biosensor for Chlorpyrifos Detection in Agro-Systems Employing Graphene Nanodots	Ms Anjali Sharma, PhD Scholar, UPES
12:55 – 01:00	5 min	Sustainable Bio-Based Composite Adsorbents for Efficient Removal of Dyes from Wastewater	Ms Alpika Singh, PhD scholar, UPES
12:55 – 01:05	10 min	Concluding Remarks & Vote of thanks	Dr Ashish Mathur, Associate Dean, R & D, UPES