

Title of the Conference: *International Conference on Scientific and Technological Synergy: A Cross-Disciplinary Approach to Support Human Welfare and Environment*

Venue: Vidyasagar University, Midnapore-721102, West Bengal, India

Date: November 26-27, 2026

Tentative Program Schedule of The Conference

DAY 1 (26.11.2026)		
Category / Session	Event	Time Duration (IST)
Registration of Participants		08:30 – 09:30 AM
Thematic track -I [Computing, AI, Technology & Environment]	Plenary-1: Prof. Amlan Chakraborty, University of Calcutta, India Topic: Artificial Intelligence for sustainable Development	09:30 – 10:05 AM
	Plenary-2: Prof. Samit Kumar Ray, IIT Kharagpur, Ex Director S.N. Bose National Centre for Basic Sciences, India Topic: Emerging Materials for Photonic and Energy Harvesting Devices	10:05 – 10:40 AM
	Plenary-3: Prof. Lal Mervin Dharmasiri, University of Kelaniya, Sri Lanka Topic: Climate change and environmental stress: some experience	10:40– 11:15 AM
Thematic track -II [Biotechnology, Biodiversity and Health]	Plenary-4: Prof. Csaba Vágvölgyi, University of Szeged, Hungary Topic: Mucormycosis	09:30 – 10:05 AM
	Plenary-5: Prof. Chakravarthula Manoharachary, Osmania University, India Topic: Microbial and Technological innovations : Cross disciplinary pathways to Human Welfare and Environmental Sustainability	10:05 – 10:40 AM
	Plenary-6: Dr. Bhaskar Saha, National Professor, CCRH, Ministry of AYUSH, India Topic: Science-&-Technology in the interdisciplinary contribution to human health and environment	10:40– 11:15 AM
Tea-Break		11:15– 11:30AM
Inaugural Session		11:30 – 01.00 AM
Keynote Speaker: Prof Ricardo Silvestre, Vice-Director, Life and Health Sciences Research Institute, University of Minho, Portugal Title: A One Heath Perspective in the Light of Science and Technological Synergy		
Lunch		01:00 – 02:00 PM
Invited Talks and Technical Sessions of Thematic Track I will be conducted in three parallel tracks—Tracks A, B, and C—with each track further divided into subject-wise sessions. A similar arrangement will be followed for Thematic Track II on the second day.		
Track A (Computational Science)	Track A - 1	Invited Talk -1: Prof. TzuChuen Lu, Chaoyang, University of Technology, Taiwan Topic: Information management in the age of AI
		Technical Sessions (Oral & Poster Presentation)

& Artificial Intelligence)	Track A - 2	Invited Talk -2: Prof. Mehakpreet Singh, University of Limerick, Ireland Topic: Mechanistic modelling of particulate processes.	02:00 – 05:30 PM
		Technical Sessions (Oral & Poster Presentation)	
	Track A - 3	Invited Talk -3: Prof. Satyabrata Jit, IIT Benaras, India Topic: MOS Transistor Technology for computational systems	
		Technical Sessions (Oral & Poster Presentation)	
Track B (Sustainable Technological Innovation)	Track B-1	Invited Talk -4: Prof. C. V. Yalamaggad, Centre for Nano and Soft Matter Sciences, Bengaluru, India Topic: Quantum dot technology in display industry for energy sustainability	
		Technical Sessions (Oral & Poster Presentation)	
	Track B-2	Invited Talk -5: Dr. Mukesh Ranjan, Scientific Officer - G, FCIPT, Institute for Plasma Research, Gandhinagar, India Topic: Plasma Surface Engineering for Health and Environment	
		Technical Sessions (Oral & Poster Presentation)	
Track C (Environment)	Track C-1	Invited Talk -6: Prof. Rajib Maity, IIT Kharagpur, India Topic: Population exposure to compound climate extremes	
		Technical Sessions (Oral & Poster Presentation)	
	Track C-2	Invited Talk -7: Prof. Lakshminarayan Satpati, University of Calcutta , India Topic: Climate Conscious Development under Extreme Weather Trends in India	
		Technical Sessions (Oral & Poster Presentation)	
High Tea-Break			05:30 – 06:00 PM
Cultural Programme			06:00 – 08:00 PM
Dinner			08.00-9.30PM
Science & Technology Expo: Showcasing innovations and emerging technologies to inspire students, foster scientific curiosity, and promote a sustainable future.			
DAY 2 (27.11.2026)			
Category / Session	Event		Time Duration (IST)
Thematic track -I [Computing, AI, Technology & Environment]	Plenary-7: Dr. Srikumar Chattopadhyay, Scientist –G, Centre for Earth Science Studies, India Topic: Regional Approach in Integrating Environmental Management and Human Welfare		09:30 – 10:05 AM
	Plenary-8: Prof. Santanu Bhattacharya, Director, IISER Tirupati, India		10:05 – 10:40 AM
	Plenary-9: Dr. Somenath Dutta,Former Head, RMC, Kolkata, India Topic: Climate Service for Health		10:40– 11:15 AM
Thematic track -II [Biotechnology,	Plenary-10: Prof. Subrata Chattopadhyay, Former Director, Bioscience Group, BARC, Mumbai, India Topic: Cool Societal Solutions by Hot Atoms		09:30 – 10:05 AM
	Plenary-11: Prof. Sushil Kumar Dutta, Utkal University, Odisha, India Topic: Why we find so many undescribed amphibians in India?		10:05 – 10:40 AM

Biodiversity and Health]	Plenary-12: Prof. Arnab Sen, Vice-Chancellor, Raiganj University, India Topic: Genomics of Actinobacteria		10:40– 11:15 AM
Tea-Break			11:15 – 11:30 PM
Invited Talks and Technical Sessions of Thematic Track II will be conducted in three parallel tracks: Track D, E & F. Each track is further divided into subject-wise sessions.			
Track D <i>(Biotechnology)</i>	Track D-1	Invited Talk -8: Prof. Sheikh Julfikar Hossain, Khulna University, Bangladesh Topic: Biodegradation by soil bacteria	11:30 AM– 01:00 PM & 02.00-04.00PM
		Technical Sessions (Oral & Poster Presentation)	
	Track D-2	Invited Talk -9: Dr. Gouranga Biswas,ICAR-Central Institute of Fisheries Education, Kolkata Centre, India Topic: IMTA: Next-Gen, Climate-Smart Aquaculture for a Sustainable Future	
		Technical Sessions (Oral & Poster Presentation)	
Track E <i>(Biodiversity)</i>	Track E-1	Invited Talk -10: Prof. Pradipta Mahapatra, Ravenshaw University, India Topic: Photosynthetic pigment fluorescence for analysis of biotic abiotic stress in plants	
		Technical Sessions (Oral & Poster Presentation)	
	Track E-2	Invited Talk -11: Dr. Atanu Raha, Retired Indian Forest Service (IFS) officer, Govt. of West Bengal, India Topic: Mitigating the impact of Climate Change on a World Heritage site - the participatory way.	
		Technical Sessions (Oral & Poster Presentation)	
Track F <i>(Health Science)</i>	Track F - 1	Invited Talk -12: Prof. Kewal Krishan, Panjab University, Chandigarh, India Topic: Role of Anthropological knowledge in forensic investigation	
		Technical Sessions (Oral & Poster Presentation)	
	Track F - 2	Invited Talk -13: Dr. Jayanta Bhattacharya, Translational Health and Technology Institute (THSTI), Faridabad, India Topic: Medical countermeasures against priority pathogens associated with epidemics and pandemics	
		Technical Sessions (Oral & Poster Presentation)	
	Track F - 3	Invited Talk -14: Prof. Nihar Ranjan Jana, IIT Kharagpur, India Topic: Understanding Mental Illness	
		Technical Sessions (Oral & Poster Presentation)	
Lunch			01:00– 02:00 PM
Valedictory Session Valedictory Speaker: His Holiness, Hon'ble Ven Dr. Thirasattho Thero, Spiritual Master, IEP Peace Ambassador, Sydney, Australia and Rotary Positive Peace Activator, Rotary International, USA Topic: Utilizing Buddhist Wisdom for Human Welfare and Environmental Sustainability in the Age of Science and Technology.			04.00– 05:30 PM