

Title of the Conference: *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

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 -A [Computing, AI, Technology & Environment]	Plenary-I: Prof. Amlan Chakraborty, Department of Artificial Intellegence, University of Calcutta, India Title: Artificial Intelligence for sustainable Development	09:30 – 10:05 AM
	Plenary-II: Professor Samit Kumar Ray, IIT Kharagpur, Ex Director S.N. Bose National Centre for Basic Sciences, India Title: Emerging Materials for Photonic and Energy Harvesting Devices	10:05 – 10:40 AM
	Plenary-III: Prof. Lal Mervin Dharmasiri, University of Kelaniya, Sri Lanka Title: Climate change and environmental stress: some experience	10:40– 11:15 AM
Thematic track -B [Biotechnolog y, Biodiversity and Health]	Plenary-IV: Prof. Csaba Vágvolgyi, University of Szeged, Hungary Title: Mucormycosis	09:30 – 10:05 AM
	Plenary-V: Prof. Chakravarthula Manoharachary, Department of Botany Osmania University, India Title: Microbial and Technological innovations : Cross disciplinary pathways to Human Welfare and Environmental Sustainability	10:05 – 10:40 AM
	Plenary-VI: Dr. Bhaskar Saha, National Professor, CCRH, Ministry of AYUSH, India Title: 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 Lecture by Ricardo Silvestre , Vice-Director of Life and Health Sciences Research Institute – ICVS School of Medicine, University of Minho Campus de Gualtar 4710-057 Braga, Portugal Title: Metabolism and immunity: a One Health perspective on infectious and inflammatory diseases		
Lunch		01:00 – 02:00 PM
Invited Talks and Technical Sessions of Three Tracks A, B, C in Parallel Sessions. Again particular Track is divided based on number of Departments associated with that track		

Track A (<i>Computational Science & Artificial Intelligence</i>)	Track A -1	Invited Talk -1: Prof. TzuChuen Lu, Chaoyang, University of Technology, Taiwan Title: Information management in the age of AI	02:00 – 05:30 PM
		Technical Sessions (Oral & Poster Presentation)	
		Track A -2	
	Technical Sessions (Oral & Poster Presentation)		
	Track A -3		
		Technical Sessions (Oral & Poster Presentation)	
Track B (<i>Sustainable Technological Innovation</i>)	Track B-1	Invited Talk -4: Professor C. V. Yalamaggad, Centre for Nano and Soft Matter Sciences, Bengaluru, India Title: 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 Title: Plasma Surface Engineering for Health and Environment
	Technical Sessions (Oral & Poster Presentation)		
Track C (<i>Environment</i>)	Track C-1	Invited Talk -6: Prof. Rajib Maity, IIT Kharagpur, India Title: Population exposure to compound climate extremes	
		Technical Sessions (Oral & Poster Presentation)	
	Track C-2	Invited Talk -7: Prof. Lakshminarayan Satpati, Professor of Geography and Director, UGC HRDC, University of Calcutta Title: 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
DAY 2 (27.11.2026)			
Category / Session	Event		Time Duration (IST)
Thematic track -A [Computing, AI, Technology & Environment]	Plenary-VII: Dr. Srikumar Chattopadhyay, Scientist –G, Centre for Earth Science Studies, India Title: Regional Approach in Integrating Environmental Management and Human Welfare		09:30 – 10:05 AM
	Plenary-VIII: Professor Santanu Bhattacharya, Director, IISER Tirupati, India Title: To be announced		10:05 – 10:40 AM
	Plenary-IX: Dr. Somenath Dutta, former Scientist-G and Head, Regional Meteorological Centre (RMC), Kolkata, India		10:40– 11:15 AM

	Title: Climate Service for Health		
Thematic track -B [Biotechnology, Biodiversity and Health]	Plenary-X: Prof. Subrata Chattopadhyay, Former Director, Bioscience Group, BARC, Mumbai, India Title: Cool Societal Solutions by Hot Atoms		09:30 – 10:05 AM
	Plenary-XI: Prof. Sushil Kumar Dutta, Utkal University, Odisha, India Title: Why we find so many undescribed amphibians in India?		10:05 – 10:40 AM
	Plenary-XII: Prof. Arnab Sen, Vice-Chancellor, Raiganj University, India Title: Genomics of Actinobacteria		10:40– 11:15 AM
	Tea-Break		11:15 – 11:30 PM
Invited Talks and Technical Sessions of Three Tracks A, B, C in Parallel Sessions. Again particular Track is divided based on number of Departments associated with that track			
Track D <i>(Biotechnology)</i>	Track D-1	Invited Talk -8: Prof. Sheikh Julfikar Hossain, Khulna University, Bangladesh Title: Biodegradation by soil bacteria	11:30 AM– 01:00 PM & 02.00-04.00 PM
		Technical Sessions (Oral & Poster Presentation)	
	Track D-2	Invited Talk -9: Dr. Gouranga Biswas, Principal Scientist, ICAR-Central Institute of Fisheries Education, Kolkata Centre, India Title: 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, Department of Botany, Ravenshaw University, India Title: 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 & Emeritus Professor, Techno India University Salt Lake, India Title: 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 Title: 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 Title: 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, Bioscience and Biotechnology, IIT Kharagpur, India Title: Understanding Mental Illness	

		Technical Sessions (Oral & Poster Presentation)	
	Lunch		01:00– 02:00 PM
	Valedictory Session		04.00– 05:30 PM

Summary : (i) Keynote Lecture -1 , (ii) Plenary Lecture – 12, (iii) Invited Talk – 14, (iv) Technical Sessions (Oral & Poster Presentation):14 and (v) Valedictory Address -1 (will be given at the Valedictory Session)