

99 th ANNUAL MEETING

04-06 November, 2022

SRM University - AP, Amaravati

PROGRAMME

4 NOVEMBER 2022 (FRIDAY)

0900-0930	Registration
0930-1100	Inauguration and Presidential Address Umesh V Waghmare, JNCASR, Bengaluru
	Instabilities of crystals and their functional properties
1100-1200	Tea break and Group Photograph
1200-1240	Special Lecture
•	Chairperson: Swagata Dasgupta, IIT, Kharagpur
	AS Raghavendra, University of Hyderabad, Hyderabad
	Uniqueness of plant mitochondria: Relevance to crop
	improvement and climate change
1250-1400	Lunch break
1400-1450	Lectures by Fellows / Associates
	Chairperson: K Bhanu Sankara Rao , University of Hyderabad, Hyderabad
1400-1420	DB Ramachary , University of Hyderabad, Hyderabad
	Discovery of sustainable organocatalytic reactions: Expansion
	of substrate / catalysts scope
1425-1445	Aditya Bandyopadhyay, IIT, Kharagpur
	Electrified fluid interfaces - Waves and pattern formation
1450-1530	Tea break
1530-1730	Symposium on "Green Energy" Introduction by Convener Papiet There SPM University
1530-1535	Introduction by Convener – Ranjit Thapa , SRM-University, Amaravati
1535-1600	Ashok K Ganguli, IIT, New Delhi
	Photoelectrochemical water splitting for green energy
1605-1630	S Venkata Mohan, IICT, Hyderabad
	Low-carbon biohydrogen: Enabling through biorefinery
1635-1700	S Sampath, IISc, Bengaluru
	Electrochemical energy systems: Hydrogen generation and its
1705 1700	use in fuel cells Ramendra Sundar Dey, Institute of Nano Science &
1705-1730	Technology, Mohali
	Electrochemical nitrogen reduction reaction for the synthesis of
	ammon <mark>ia</mark> : A pathway to a green future
1730	Discussion
1730-1800	Tea break
1800-1900	Public lecture
	Chairperson: Umesh V Waghmare, JNCASR, Bengaluru
	P Sainath, Mumbai
	Telling the stories of rural Indians in the digital age.
1930	The People's Archive of Rural India Dinner
1930	Dillici

5 NOVEMBER 2022 (SATURDAY)

0900-1030	Lectures by Fellows / Associates
0,00 1000	Chairperson: G V Anand , Dayanand Sagar University,
	Bengaluru
0900-0920	P Vijay Kumar, IISc, Bengaluru
	The Novel (IZ4) spreading code design for NavIC's L1 SPS signal
0925-0945	Anil KTripathi, BHU, Varanasi
	Regulatory cascades of alternative sigma factors are involved in
	controlling rhizocompetence in a plant growth promoting rhizobacterium, Azospirillum brasilense
0950-1010	GR Chandak, CCMB, Hyderabad
0930 1010	Early life exposure and future risk of non-communicable
	diseases: Relevance in Indian context
1015-1035	Atul Goel, CDRI, Lucknow
	Development of donor-acceptor based fluorescent dyes for
	diagnostics and biomedical applications
1040-1100	Tea break
1100-1300	Symposium on "Floods in the Anthropocene"
1100-1105	Introduction by the Convener – Pradeep P Mujumdar , IISc Bengaluru
	Floods in the Anthropocene – An overview of the Symposium
1105-1130	Rajiv Sinha, IIT, Kanpur
	Hydrogeomorphology and sediment dynamics of floods
1135-1200	Subimal Ghosh, IIT, Mumbai
	Extreme precipitation under human-induced climate change
1200-1225	Arpita Mondal, IIT, Mumbai
1000 1055	Deciphering the role of climate change in floods J Indu, IIT, Mumbai
1230-1255	Floods from the vantage point of Radars
1300	Discussion
1310-1400	Lunch break
1400-1540	Lectures by Fellows / Associates
	Chairperson: C Pulla Rao, IIT, Tirupati
1400-1420	Souray Pal, IIT, Mumbai
	Distinguished varieties in the polydisc and dilation of commuting matrices
1425-1445	Binod Sreenivasan, IISc, Bengaluru
1425 1445	Understanding Earth's magnetic reversals
1450-1510	Ullas K Seetharam, TIFR, Mumbai
	You are what you eat: linking metabolism to physiology & health
1515-1535	Meena B Mahajan, IMSc, Chennai
	What is hard to prove <mark>, and w</mark> hy?

1540-1600	Tea break
1600-1730	Business Meeting of Fellows
1730-1830	Tea break
1800-1900	Public Lecture Public Lecture
	Chairperson: Umesh V Waghmare , JNCASR, Bengaluru
	Ananya Vajpeyi, Centre for the Study of Developing Societies,
	New Delhi
	The Modern Life of an Ancient Language
1900-2000	Cultural Programme
2000	Dinner

6 NOVEMBER 2022 (SUNDAY)	
0900-1015	Lectures by Fellows/Associates
	Chairperson: Swapan K Ghosh, University of Mumbai,
0900-0920	Mumbai Prabhat Mandal , SN Bose National Centre for Basic Sciences,
0900 0920	Kolkata
	A new paradigm for understanding solids
0925-0945	Jitendra K Bera, IIT, Kanpur
00=0 4040	Water as a reactant in organometallic catalysis
0950-1010	P Sreenivas , University of Hyderabad, Hyderabad An advanced Ensemble Kalman Filter based Ocean-Atmospheric
	coupled Data Assimilation system and its impact in enhancing
	the Indian monsoon predictions
1015-1045	Tea break
1045-1200	Lectures by Fellows/Associates
1045 1105	Chairperson: A Jayaraman , Bangalore University, Bengaluru Suchana Taral , Pondicherry University, Puducherry
1045-1105	Source-to-sink pathway of the Himalayan sediments: new
	evidence from the eastern Himalayan foreland
1110-1130	Gobardhan Das, JNU, New Delhi
	Mycobacterium tuberculosis programs mesenchymal stem cells
1105 1155	to estab <mark>li</mark> sh dormancy and persistence Sneha <mark>Sagarkar</mark> , SP Pune University, Pune
1135-1155	Reward memory recall: Role of glutamatergic
	neurotr <mark>ansmission in the dentate gyrus</mark>
1200-1240	Special Lecture
	Chairperson: VA Raghunathan, RRI, Bengaluru
	Sadiqali Rangwala, RRI, Bengaluru Nobel Prize for Physics 2022
	From Foundational Questions in Quantum Physics to Cutting
	Edge Technology of Today
1240	Lunch