



88th ANNIVERSARY GENERAL MEETING

INDIAN NATIONAL SCIENCE ACADEMY

14-16 December 2022

Hosted by

CSIR – National Institute of Oceanography

RC Visakhapatnam

Venue

Andhra University, North Campus, Visakhapatnam, Andhra Pradesh 530003

Programme
Council Meeting and 88th Anniversary General Meeting
14-16 December, 2022

14 December 2022	
09:00-09:30	Inauguration Welcome: Dr Sunil K Singh, Director NIO Address: Prof. Chandrima Shaha, President, INSA
09:30-10:30	Presidential Lecture: by Prof. Chandrima Shaha, President, INSA Pandemics: the battles reshaping the future
10:30-10:45	TEA
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;"><u>Session 1</u> Chair: Prof. Ritabrata Munshi, FNA, ISI, Kolkata</p> </div> <div style="width: 45%;"> <p style="text-align: center;"><u>Session 2</u> Chair: Dr. Subeer S Majumdar, FNA, Gujarat Biotechnology University, Gandhinagar</p> </div> </div>
10:45-11:30	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee I Lecture 1 Galois representations by Prof. EP Ghate, FNA, TIFR, Mumbai</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee VI Lecture 1 Emergence of novel foraging skills in monkeys inhabiting human dominated landscapes by Prof. Mewa Singh, FNA, University of Mysore, Mysore</p> </div> </div>
11:30-12:15	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee I Lecture 2 Graphon-valued Stochastic Processes by Prof. SR Athreya ,FNA, ISI, Bengaluru</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee VI Lecture 2 It's a nematode world by Prof. Qudisia Tahseen, FNA, AMU, Aligarh</p> </div> </div>
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;"><u>Session 3</u> Chair: Prof. Anurag Sharma, FNA, IIT, Delhi</p> </div> <div style="width: 45%;"> <p style="text-align: center;"><u>Session 4</u> Chair: Prof. AS Raghavendra, FNA, University of Hyderabad, Hyderabad</p> </div> </div>
12:15- 13:00	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee II Lecture 1 Geometrical singularities in the model of hard rigid rotors on a lattice by Prof. Deepak Dhar, FNA, IISER, Pune</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee VII Lecture 1 Biotechnology based interventions involving animals for enhancing quality of animal and human lives by Dr. Subeer S Majumdar, FNA, Gujarat Biotechnology University, Gandhinagar</p> </div> </div>
13:00-14:00	LUNCH BREAK
14:00-14:45	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee II Lecture 2 Thermonuclear supernovae as cosmological probes by Prof. GC Anupama, FNA, IIA, Bengaluru</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Sectional Committee VII Lecture 2 Understanding the social language of bacteria: Speak or not to speak? by Dr. Subhadeep Chatterjee, FNA, CDFD, Hyderabad</p> </div> </div>
14:45-15:00	TEA
15:00-16:00	<p style="text-align: center;">Professor Vishwa Nath Memorial Lecture (2018) by Prof. SK Apte, FNA, UM-DAE-CEBS, Mumbai World's Most Radiation-resistant Bacterium: <i>Deinococcus radiodurans</i> And what can you do with it? Chairperson: Prof. Chandrima Shaha, President, INSA</p>
19:30	DINNER

15 December 2022

15 December 2022		
	<u>Session 5</u> Chair: Prof. Sourav Pal, FNA, Ashoka University, Sonipat	<u>Session 6</u> Chair: Prof. NR Jagannathan, FNA, Sri Ramachandra Inst. of Higher Education and Research, Chennai
09:00-09:45	Sectional Committee III Lecture 1 Design and Development of heterogeneous Catalysts for Sustainable Chemical Industry by Prof. M Lakshmi Kantam, FNA, ICT, Mumbai	Sectional Committee IX Lecture 1 Preclinical studies with Ayurvedic drugs to predict their efficacy against COVID-19 pathologies by Dr. Madhu Dikshit, FNA, CDRI, Lucknow.
09:45-10:30	Sectional Committee III Lecture 2 Molecules to Materials by De Novo Design by Prof. JN Moorthy, FNA, IISER, Thiruvananthapuram	Sectional Committee IX Lecture 2 Multi-disciplinary approach to understand complex diseases with public health significance by Dr. Shinjini Bhatnagar, FNA, THSTI, Faridabad
10:30-10:45	TEA BREAK	
10:45-11:45	Homi Jehangir Bhabha Medal Lecture (2020) by Prof. HR Krishnamurthy, FNA, IISc, Bengaluru The Fascinating Physics of Strongly Correlated Quantum Impurities Chairperson: Prof. Debashish Chowdhury, FNA, IIT Kanpur	
	<u>Session 7</u> Chair: Prof. DM Banerjee, FNA, University of Delhi	<u>Session 8</u> Chair: Prof. Pinakpani Chakrabarti, FNA, Bose Institute, Kolkata
12:00-12:45	Sectional Committee IV Lecture 1 Advent of Plate Tectonics and the Supercontinent Cycle- selected Indian examples by Prof. Somnath Dasgupta, FNA ISI, Kolkata	Sectional Committee VIII Lecture 1 Gut instincts and gut reactions: molecular mechanisms underlying the biology by Prof. Sandhya S Visweswariah, FNA, IISc, Bengaluru
12:45-13:30	Sectional Committee IV Lecture 2 A narrative of mathematization of earth system science by Prof. RN Singh, FNA, IIT, Gandhinagar	Sectional Committee VIII Lecture 2 Of Genomes, Methylomes & Acetylomes by Prof. DN Rao, FNA, IISc, Bengaluru
13:30-14:30	LUNCH BREAK	
14:30-15:15	Address by Dr (Mrs.) N. Kalaiselvi, DG CSIR	
15:15-15:30	Book Release Ceremony “Jiddi” (book on some unsung Women Scientists of the past) authored by Prof. Sulabha K Kulkarni, FNA, CMET, Pune Chairperson: Prof. Chandrima Shaha, President, INSA	
15:30-16:30	Public Lecture by Prof. Ashoke Sen, FNA, ICTS, Bengaluru The future of our universe Chairperson: Prof. DV Khakhar, Vice-President, INSA	
16:30-17:00	TEA BREAK	
17:30 onwards	COUNCIL MEETING	
20:00	DINNER	

16 December 2022

16 December 2022		
	<u>Session 9</u> Chair: Prof. Gautam Biswas, FNA, IIT, Kanpur	<u>Session 10</u> Chair: Prof. Mewa Singh, FNA, University of Mysore, Mysore
09:00-09:45	Sectional Committee V Lecture 1 Towards Quieter Technologies by Prof. ML Munjal, FNA, IISc, Bengaluru	Sectional Committee X Lecture 1 Technologies and Innovations for Climate-smart Agriculture by Dr. Himanshu Pathak, FNA, DG, ICAR, New Delhi
09:45-10:30	Sectional Committee V Lecture 2 Pattern Recognition, Machine Intelligence to Data Science: Evolution, Challenges and Concerns by Prof. Sankar K Pal, FNA, ISI, Kolkata	Sectional Committee X Lecture 2 Genomics-assisted breeding of climate-resilient crop varieties by Dr. NK Singh, FNA, IARI, New Delhi.
10:30-11:00	TEA BREAK	
11:00-14:00	Anniversary General Meeting Chair: Prof. Chandrima Shaha, President, INSA <ul style="list-style-type: none">• Induction of New Fellows• Felicitations of awardees of INSA Medal for Young Scientists, INSA Young Historian of Science and INSA Teachers Award- 2020 and 2021• General Body Meeting (Only Fellows)• Felicitations of outgoing Council members and taking over of the new President	
14:00	LUNCH and END OF THE PROGRAMME	