



SAIS Symposium 2024



School of Applied and Interdisciplinary Sciences, Indian Association for the Cultivation of Science
Jadavpur, Kolkata-700032

Date :
1st and 2nd
MARCH, 2024

SPEAKERS

Venue @ IACS
C V Raman Hall

Local Organizing Committee

Patron

Prof. Ranjan Sen, The Director, IACS

Members

Prof. Sudip Malik, Chairman-SAIS

Prof. Suhrit Ghosh, SAIS

Prof. Somobrata Acharya, SAIS

Prof. Surajit Sinha, SAIS

Prof. Raja Paul, SAIS (SMCS)

Dr. Anindita Das, SAIS

Dr. KDM Rao, SAIS

Dr. Shinto Varghese, SAIS

Dr. Anuja Datta, SAIS (Scientist TRC)

Prof. Santanu Bhattacharya, Honorary Fellow, SAIS



Prof. Yutaka
Wakayama
NIMS, JAPAN



Dr. A Ajayaghosh
CSIR-NIIST,
Trivadrur



Prof. BLV Prasad
CENS, Bengaluru



Prof. D Mandal
IIT Ropar



Prof. Gopal C Kundu
KIIT DU Bhubaneswar



Prof. K S Narayan
JNCASR, Bengaluru



Prof. K Mandal
TIFR, Hyderabad



Prof. Kiran R Gore
IIT Kharagpur



Prof. N Sengupta
IISER Kolkata



Prof. P S Mukherjee
IISc, Bengaluru



Prof. P Rajamalli
IISc, Bengaluru



Prof. Ruchi Anand
IIT Mumbai



Prof. Sampa Saha
IIT Delhi

Contact person : Prof. Sudip Malik, Chair, SAIS
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SAIS Symposium 2024, 1st March



Inaugural Session

09.45 – 09.55 am: Inaugural Address- **Director, IACS**

09.55-10.00 am: Welcome Address

Session 1: Chair- Prof. Surajit Sinha, SAIS, IACS

Speaker		Affiliation	Time	Title
1. Prof. Gopal C Kundu		KIIT Bhubaneswar	10:00-10:40 am	KN1: <i>Understanding the Tumor Heterogeneity and Development of Multi-targeted Therapy in Breast and other Cancers.</i>
2. Prof. Ruchi Anand		IIT Bombay	10:40-11:20 am	KN2: <i>Strategies to Combat Ribosomal Methyltransferases Based Antibiotic Resistance.</i>

Tea Break: 11:20 -11:40 am



SAIS Symposium 2024, 1st March



Session 2: Chair- Prof. Pradyut Ghosh, SCS, IACS

3. Prof. Partha Sarathi Mukherjee



IISc, Bengaluru

11:40-12:20 pm

KN3: *Chemical Reactions in Confined Space.*

4. Prof. Kalyaneswar Mandal



TIFR, Hyderabad

12:20-12:50 pm

IL1: *Chemical Peptide/Protein Engineering to Inhibit Entry of Malaria Parasites into Red Blood Cells.*

5. Prof. Debaprasad Mandal



IIT Ropar

12:50-1:20 pm

IL2: *Multiphase Gradient Self-stratified Coating with Multi-responsive Self-healing Polymer.*

Lunch Break: 1:20 -2:30 pm



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Session 3: Chair- Prof. Somobrata Acharya, SAIS, IACS

6. Prof. BLV Prasad			CENS Bengaluru	2:30-3:10 pm	KN4: A Chemist's Perspective on Nanomaterial Synthesis: How to Bridge the Gap Between Laboratory and Market?
7. Prof. K S Narayan			JNCASR Bengaluru	3:10-3:50 pm	KN5: Biophysics of Avian Retina and Light Induced Actuation of Liquid Metal Films.
8. Prof. Sampa Saha			IIT Delhi	3:50-4:20 pm	IL3: Anisotropic Colloidal Surfactants and their Applications in Water Remediation.

High-Tea & Poster Session: 4:20 - 6:30 pm

Banquet Dinner: 7.30-10:30 pm



SAIS Symposium 2024, 2nd March



Speaker	Affiliation	Time	Title
Session 4: Chair- Dr. Anindita Das, SAIS, IACS			
9. Prof. Yutaka Wakayama * 	NIMS, Japan	10:00-10:40 am	KN 6: <i>Multi-functional Logic Circuits for a New Frontier of Organic Electronics.</i> * Via Virtual Mode Zoom link ID: https://zoom.us/j/92317576922 Meeting ID: 923 1757 6922 Passcode: 143626
10. Prof. Pachaiyappan Rajamalli 	IISc Bengaluru	10:40-11:10 am	IL4: <i>Universal Thermally Activated Delayed Fluorescence Emitters for both Doped and Non-Doped Organic Light Emitting Diodes.</i>

Tea Break: 11:10-11:30 am



SAIS Symposium 2024, 2nd March



Session 5: Chair Prof. Suhrit Ghosh, SAIS, IACS

11. Dr. Ayyappanpillai Ajayaghosh		CSIR-NIIST, Trivandrum	11:30–12:10 pm	KN7: <i>Chemistry of Stimuli Responsive Smart Windows.</i>
12. Prof Kiran R Gore		IIT Kharagpur	12:10-12:40 pm	IL5: <i>Improving Gene Silencing Activity Through Combination of 2'-Fluoro and 4'-C-Acetamidomethyl-2'-O-Methoxyethyl Modified Small Interfering RNAs.</i>
13. Prof. Neelanjana Sengupta		IISER, Kolkata	12:40 -1:10 pm	IL6: <i>Expectation Maximised Molecular Dynamics: An Unsupervised Machine Learning Approach towards Rapid Estimation of Biomolecular Transition Barriers.</i>

Vote of Thanks & Concluding Remarks: 1:10-1:30 pm

Lunch Break: 1:30 -3:00 pm

Departure: 3.30 pm