

PROGRAM

7th ISAJ Symposium-2016

India-Japan Symposium on Science and Technology for Sustainability

December 15 (Thursday), 2016

Main Auditorium, Embassy of India, Tokyo

8:45 - 9:15	REGISTRATION	
9:15 - 9:20	LIGHTING OF THE LAMP	
9:20 - 9:30	Welcome Address	Sunil Kaul, Chairman, ISAJ Kedar Mahapatra, Symposium Convener
	INAUGURAL SESSION	
9:30 - 9:40	Opening Remarks	Dr. Purnima Rupal, Counsellor (S&T), Embassy of India
9:40 - 9:50	Inaugural Address	H.E. Mr. Sujan R. Chinoy The Ambassador of India to Japan
9:50 - 10:10	Keynote Address	Yoshihisa Shirayama, Executive Director, JAMSTEC
10:10-10:15	Vote of Thanks	Alok Singh, ISAJ Vice-Chairman
10:15-10:20	GROUP PHOTO	
10:20-10:40	TEA/COFFEE BREAK	

PLENARY SESSION 1 (JSPS-DST Asia Academic Seminar 2016) Chairs: Dr. Alok Singh, NIMS, Japan Atsushi Suzuki, Yokohama National University, Japan	
10:40 - 11:00	Plenary Mamoru Mitsuishi, University of Tokyo, Japan <i>“Bone cutting for knee joint replacement”</i>
11:00 - 11:30	Special Plenary Nallagundala Venkata Reddy, IIT-Hyderabad, India <i>“Metal Forming: Mass Production to Customization”</i>
11:30 - 11:50	<i>Introductory remarks on research activities by the visiting scientists from India</i>
(2-3 min. each)	Indian Institute of Science: Kailas Satish Vasu (<i>Tribology, Sustainability</i>) Sanjib Sambandan (<i>Flexible Electronics</i>) Jawaharlal Nehru Centre for Advanced Scientific Research: Narayana Chandrabhas (<i>Chemistry, Biotechnology</i>) Indian Institute of Technology-Madras: Thalappil Pradeep (<i>Materials, Water</i>) Sundargopal Ghosh (<i>Metal-boron chemistry</i>) Indian Institute of Technology-Bombay: Chandramouli Subramaniam (<i>Sensors, Materials</i>) Indian Association for the Cultivation of Science: Suhrit Ghosh (<i>Supramolecular</i>) Indian Institute of Science Education and Research: Venkataramu Pavan Kumar Gopalapura (<i>Photonics</i>) Reji Varghese (<i>Self assembly</i>) National Chemical Laboratory (CSIR): Bhagavatula Lakshmi Vara Prasad (<i>nanotechnology</i>)
11:50 – 12:00	Special Shrihari Chandraghatgi, EcoCycle Corporations, Japan <i>“Bioremediation: Cleaning ground water at industrial sites in Japan”</i>
12:00 - 12:50	LUNCH & POSTER SESSION
12:50 - 13:40	POSTER SESSION

ORAL PRESENTATIONS Chairs: Sunil Kaul, AIST, Japan Chandrabhas Narayana, JNCASR, India	
13:40 - 13:50	Abhijit Shrotri, Hokkaido University, Japan <i>“From plants to modern chemicals: a shortcut through catalysis”</i>
13:50 - 14:00	Daisuke Kageyama, National Institute of Agrobiological Sciences, Japan <i>“Wolbachia—Intracellular microbes that manipulate reproductive systems of arthropod hosts”</i>
14:00 - 14:10	Vipin Kumar Deo, Shizuoka University, Japan <i>“Virus like particles a new tool in Nanobiotechnology”</i>
14:10 - 14:20	Naomasa Oshiro, National Institute of Health Sciences, Japan <i>“Ciguatera Fish Poisoning in Japan”</i>
14:20 - 14:30	Rumit Maini, The University of Tokyo, Japan <i>“Ribosome-mediated site-specific incorporation of dipeptides and dipeptidomimetics into proteins”</i>
14:30 - 14:40	J.V.Ratnam, JAMSTEC <i>“Heat waves and Cold waves over India”</i>
14:40 - 14:50	Adavan Kiliyankil Vipin, The University of Tokyo, Japan <i>“Cellulose nanofiber backboneed Prussian blue nanoparticles as a novel adsorbent for the elimination of radioactive cesium”</i>
PLENARY SESSION 2 (JSPS-DST Asia Academic Seminar 2016) Chairs: Thalappil Pradeep and Sundargopal Ghosh Indian Institute of Technology, Madras	
14:50 - 15:10	Plenary Atsushi Suzuki, Yokohama National University, Japan <i>“High Strength Hydrogels of Physically Crosslinked Poly (vinyl alcohol) Networks”</i>
15:10 - 15:40	Special Plenary Kulkarni Giridhar Udapi Rao, Jawaharlal Nehru Centre for Advanced Scientific Research, India <i>“Highly Decoupled Twisted Graphene Multilayers”</i>
15:40 - 16:00	Plenary Ryuji Tamura, Tokyo University of Science, Japan <i>“Magnetism in compounds made of rare-earth icosahedra”</i>
16:00 - 16:15	TEA/COFFEE BREAK

16:15 - 16:36	<p align="center">POSTERS BY VISITING YOUNG RESEARCHERS FROM INDIA</p> <p align="center">(JSPS-DST Asia Academic Seminar 2016)</p> <p align="center">Chairs: Ryuji Tamura, Tokyo University of Science, Japan, Bhagavatula Lakshmi Vara Prasad, CSIR-National Chemical Laboratory, India</p>	
		Atanu Ghosh, IIT-Madras, India, <i>“Unusual reactivity of dithiol protected clusters in comparison to monothiol protected clusters: Studies using Ag₅₁BDT₁₉ and Ag₂₉BDT₁₂”</i>
		Madhuri Jash, IIT-Madras, India, <i>“Stable Gas Phase Unprotected Clusters of Noble Metals in Air from Protected Clusters in Solution”</i>
		Papri Chakraborty, IIT-Madras, India, <i>“Stability of Monolayer Protected Clusters towards Dissociation”</i>
(3 min. each)		Manju Cheruvattil Koyitti, IIT-Madras, India, <i>“Highly Luminescent Monolayer Protected Ag₅₆Se₁₃S₁₅ clusters”</i>
		Bharath Bannur, JNCASR, Bangalore, India, <i>“Solution Based Fabrication of a Fast Response, Broad-Band, Large Area Photodetector”</i>
		Maku Moronshing, IIT-Bombay, India, <i>Thermo-diffusional behaviour of nanoparticle Colloids</i>
		Amrita Sikder, IACS-Kolkata, India, <i>“H-Bond regulated distinct functional group display in vesicular assembly of unsymmetrical bola-shape π-amphiphiles”</i>
	<p align="center">PLENARY SESSION 3</p> <p align="center">Chairs: Swadhin Behera, JAMSTEC, Japan Satish Vasu Kailas, Indian Institute of Science, India</p>	
16:36 - 16:51	Plenary	Yasumasa Miyazawa, JAMSTEC, Japan <i>“Sustainable ocean environment monitoring scheme enhanced by ocean forecasting”</i>
16:51 - 17:06	Plenary	Kazuyuki Inubushi, Chiba University, Japan <i>“Sustainable paddy rice farming harmonized with greenhouse gas emission (from AMASA project in India)”</i>
17:06 - 17:21	Plenary	Toshihiko Yada, Jichi Medical University, School of Medicine <i>“Understanding of feeding regulation toward treatment of diabetes and obesity”</i>

17:21 - 17:46	SHORT ORAL PRESENTATIONS OF SELECTED POSTERS Chairs: Manish Biyani, JAIST, Japan Toshio Saito, Tokai University, Japan
	Hirotsuda Moki, PARI, National Institute of Maritime, Port and Aviation Technology, Japan <i>“The Development of a Hydrodynamic Model to Investigate the Effects of Submerged Aquatic Vegetation (SAV) Drag Force on the Current Field”</i>
(5 min. each)	Shivam Gupta, IIT, Hyderabad, India, Novel Growth Factor Delivery System for Regenerative Medicine
	Sajal AFZAL, University of Tsukuba, Japan <i>“Formulation and Characterization of Submicron O/W Emulsions Encapsulating Black Cumin Seed Oil”</i>
	Priyanshu Bhargava, National Institute of Advanced Industrial Science & Technology (AIST), Japan, <i>“Honeybee propolis possess anticancer activity: bioactives, bioactivities and bioavailability”</i>
	Devanand Tripathi, Central Institute of Plastics Engineering and Technology, India <i>“Study of mechanical mixing mechanism for sustainable polymer composite based on Polypropylene/Flyash”</i>
17:46 - 18:16	PANEL DISCUSSION <i>What can be the next big thing to facilitate India-Japan Scientific collaborations?</i> Moderator: Swadhin Behera
18:16 - 18:20	Concluding Session & Best Poster Awards Chairs: Kedar Mahapatra, Mahendra Kumar, P.K. Hashim
18:20 - 18:30	Tea/Coffee/Snack Break
	Cultural program
18:30 -19:00	Indian Traditional Dance: Odissi Performance Mayumi Fukushima and Group
	Banquet
	(19:00 - 20:00)