

8th Annual Symposium of ISAJ December 6, 2017

BRIDGING NATURE AND TECHNOLOGY 8th Annual ISAJ Symposium December 6th, 2017 (Wednesday)

Time	PROGRAM	
8:00 - 8:30	Registration of participants	
9:00 - 10:00	Inaugural Session	
9:00	Welcome Address	Sunil Kaul, Chairman, ISAJ
9:05	Inaugural Address	Shelva, Symposium Convener
9:15	Special Address	Purnima Bupal S & T Counsellor, Embassy of India "Transforming India through Science, Technology & Innovation"
9:30	Keynote Address	Toshihiko Koseki Executive Vice President, University of Tokyo "Materials Integration System for Developing Advanced Materials"
9:55	Vote of Thanks	Alok Singh, Vice Chairman, ISAJ
10:00 - 10:15	COFFEE BREAK	
10:15 - 12:00	Session - I, Invited talks	
10:15	Toshiji Mukai Kobe University	"Material Design of Magnesium Alloy for Biodegradable Implant"
10:30	Manish Bhatnagar Japan Advanced Institute of Science and Technology (JAIST)	"Electrospay for Man-made Cell-like Compartments"
10:55	Horacio Cabral University of Tokyo	"Cooperative Fusion of Imaging and Therapy through Theranostic Nanomedicines"
11:15	Renu Wadhwa National Institute of Advanced Industrial Science & Technology (AIST)	"Ashwagandha Leaves: Bioactives, Biology and Biotechnology"
11:35	Shrikant Chandraghatgi (Special talk) EcoCycle Corporation	"Status of groundwater contamination due to industrial and agricultural activities in India and its impact on health and economy"
12:00 - 12:30	LUNCH BREAK	
12:30 - 13:20	POSTER SESSION-I	
13:20 - 14:40	Session - II, Invited talks and young scientists talks	
13:20	Takahiro Sawaguchi National Institute for Materials Science (NIMS)	"A novel long-lived seismic damping alloy for safe and secure society"
13:40	Noakazu Kano University of Tokyo	"Creation of a Chemical Bond between Penta coordinated Group 14 Elements"



CARF to diagnose cancer!



Ashwagandha for cancer and health!



ISAJ Chairman

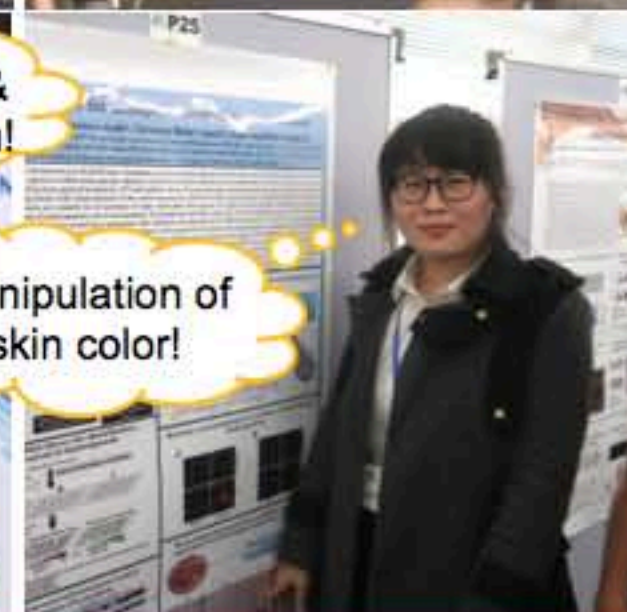
Long life for normal cells!



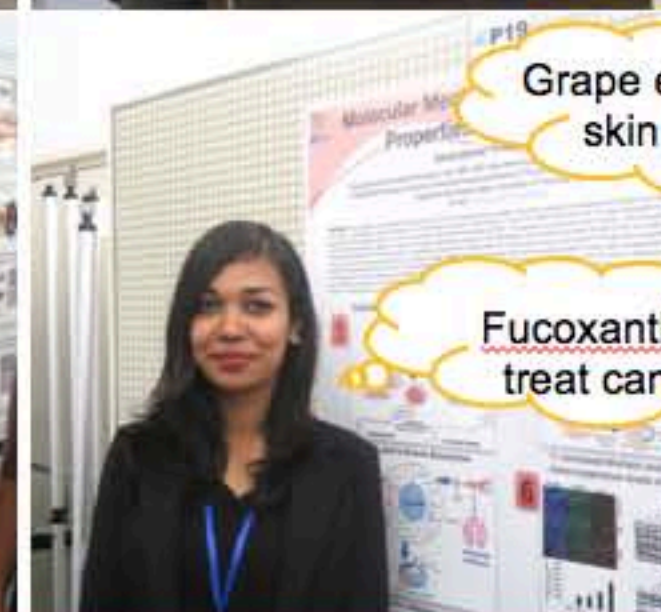
Grape extract against skin darkening!



Ashwagandha & circadian rhythm!



Manipulation of skin color!



Fucoxanthin to treat cancer!



14:00	Rajkumar S Kalra National Institute of Advanced Industrial Science & Technology (AIST)	"CARF Enrichment Promotes Epithelial-Mesenchymal Transition Through Activation of Wnt/Catenin Signalling: Clinical Relevance and Mechanism of Action"
14:10	Somesh Kumar National Institute for Materials Science (NIMS)	"Ab initio study of the oxidation resistance of Ti surfaces at elevated temperature"
14:20	Takahiro Kamiya University of Tokyo	"Ionome screening of EME3-mutagenized Rice"
14:30	Mitsuhiko Nemoto (Special talk) Japan Science and Technology Agency (JST)	"Sakura Science Plan (SSP)"
14:40 - 15:30	COFFEE BREAK & POSTER SESSION-II	
15:30 - 16:30	Session - III, Invited talks	
15:30	Yoshiaki Onishi National Institute of Advanced Industrial Science & Technology (AIST)	"Circadian Rhythm: Under the Control of Surya"
15:50	Masayuki Takigawa JAMSTEC	"The impact of biomass burning and urban emissions on the air quality in India and other Asian countries"
16:10	Kou Okuro University of Tokyo	"Stimuli-responsive Molecular Glues for Modulation of Biomolecular Functions"
16:30 - 17:00	Session - IV, Poster talks (5 min each)	
16:30	Sunil Kumar Hokkaido University	"Photocatalytic Control of Motor Protein Function"
16:35	Ruzic Jovana National Institute for Materials Science (NIMS)	"Effect of Mo Segregation on Mechanical Properties of TiMo Alloy Studied by Nanindentation"
16:40	Sajal Afzal University of Tokushima	"Black Cumin Seed Oil-in-Water Nanoemulsions - Preparation by High pressure homogenization & Evaluation of Stability"
16:45	Ankita Kushwaha Japan Advanced Institute of Science and Technology (JAIST)	"Creation of smarter aptameric reagents for the global antigenic diversity of influenza viruses"
16:50	Subramani Thiyyagu National Institute for Materials Science (NIMS)	High efficiency silicon hybrid solar cells via energy management by employing nanocrystalline Si quantum dots and Si nanowires
16:55	Huhao Huang University of Tokyo	Topological Defect-Mediated Kinetic Growth of Crystalline MOFs with Anomalous Morphological Complexity
17:00 - 17:15	CLOSING SESSION, POSTER AWARD AND BREAK FOR DINNER	

DAILAB offered active participation in the 8th Annual Symposium of Indian Scientists Association in JAPAN (ISAJ). Focus of the ISAJ 2017 symposium was to reflect on and critically assess how various disciplines of science and technology are integrating the knowledge from nature and environment to innovate and develop latest technologies. A popular belief that has been growing recently is that nature and technology are merging and to develop better human centric technologies; it is important to derive the learnings from nature and environment. This approach of learning from nature and integrating that knowledge with the latest technological advancements can be the answer to many challenges faced by the current generation such as in climate change, affordable healthcare, sustainable city development and many more. The objective was to provide an 'interdisciplinary-platform' on which the graduate students were given an opportunity to express their scientific findings and seek advice directly from internationally renowned academicians. Besides Keynote lectures, young scientist's oral and poster presentations were invited. DAILAB student Amr Omar won the best poster presentation award.

DAILAB members Damini Sharma, He Huifu, Jayarani Putri, Priyanshu Bhargava, Amr Omer, Anissa Safi, Sukant Garg, Wang Jia, Anupama Chaudhary, RajKumar S Kalra, Renu Wadhwa, Sunil Kaul and Yoshiaki Onishi played active roles.