

**CSIR - AIST United Symposium on INnovative & Industrial Sciences**  
**“Medical, Microbial & Environmental Engineering Technologies”**  
**CAUSINS - MEET**

**DAILAB-PIKNIKH Series XII**  
**Platform for Innovating Knowledge to International Know How**

**Venue: CSIR Science Centre**  
 No. 2, Lodhi Gardens, KK Birla Lane, New Delhi, Delhi 110003, India

**Organized by**  
**Council of Scientific & Industrial Research (CSIR)**  
**National Institute of Industrial Science & Technology (AIST)**

Time	PROGRAMME
9:00-9:05	<b>Address: Dr. Ram Vishwakarma, Director IIIM, Jammu</b> <i>(About the Symposium)</i>
9:05-9:10	<b>Welcome Address: Dr. Girish Sahni, Director Genral, CSIR, India</b>
9:10-9:15	<b>Address: Dr. Yoshihiro Ohmiya, Director, BMRI, AIST, Japan</b>
9:15-9:20	<b>Address: Dr. Sunil Kaul, Chief Senior Research Scientist, BMRI, AIST, Japan</b>
9:20-9:45	<b>Keynote: Dr. Renu Wadhwa, AIST, Tsukuba, Japan</b> <i>Systems Biology Approaches for Solving Secrets of Ayurvedic Herbs - Biology to Benefits</i>
9:45-10:10	<b>Keynote: Dr. Ram Vishwakarma, Director IIIM, Jammu, India</b> <i>"New Drug Discovery From Natural Products: Nces and Phytopharmaceuticals"</i>
10:10-10:25	<b>HIGH TEA &amp; GROUP PHOTO</b>
10:25-10:45	<b>Dr. Yoshiaki Onishi, AIST, Osaka, Japan</b> <i>Herbs for Circadian Rhythm</i>
10:45-11:05	<b>Dr. Sandip Bharate, IIIM Jammu, India</b> <i>Development of Phytopharmaceutical drugs</i>
11:05-11:25	<b>Dr. Tomohiro Tamura, AIST, Sapporo, Japan</b> <i>Microbial Conversion of Vitamin D3- Innovation to Industrialization</i>
11:25-11:45	<b>Dr. Debendra K. Sahoo, IMTECH, Chandigarh, India</b> <i>Role of Oxygen Transfer in Optimization of Microbial Technologies</i>
11:45- 12:05	<b>Dr. Isao Yumoto, AIST, Sapporo, Japan</b> <i>Bacterial Communities in a Dairy Wastewater Treatment System Consisting of Six Segments</i>
12:05-12:25	<b>Dr. Motomichi Doi, AIST, Tsukuba, Japan</b> <i>Screening for the Factors Regulating Neuronal Functions by Imaging technologies</i>
12:25-12:45	<b>Dr. Masami Kojima, AIST, Osaka, Japan</b> <i>Multiple Functional System of Growth Factor: Its Challenge for Clarification of Brain Disease and Development of Diagnostic Measurement</i>
12:45-13:45	<b>LUNCH</b>
13:45-14:05	<b>Dr. Arpita Konar, IGIB, New Delhi, India</b> <i>Remember Ashwagandha to Forget Memory Loss – Laboratory Evidence and Molecular Mechanisms</i>
14:05-14:25	<b>Dr. Rajnish Chaturvedi, IITR, Lucknow</b> <i>Regenerative Medicine in Alzheimer's Disease</i>
14:25-14:45	<b>Dr. Ryoji Kurita, AIST, Tsukuba, Japan</b> <i>Microfluidic Disease Marker Determination by Surface Plasmon Resonance Technique</i>
14:45-15:05	<b>Dr. Anurag Agarwal, IGIB, New Delhi, India</b> <i>Rejuvenating Cellular Respiration For Optimizing Respiratory Function: Targeting Mitochondria</i>
15:05-15:25	<b>Dr. Saurabh Saran, IIIM Jammu, India</b> <i>Bio Cellulose: An Excellent Bio Material for Healthcare Industry</i>
15:25-16:00	<b>Discussion and future directions on CSKILL and CAUSIN Programs</b>
16:00-16:05	<b>VOTE OF THANKS - Mr. A. Chakraborty</b>

**CSKILL - CSIR's Smart-Science Kicking for Industrial Learning & Living**  
**CAUSIN - CSIR - AIST United Science Innovation & INdustrialization**

## CAUSINS - MEET

On October 24, 2016, a delegation of 8 high-level AIST researchers led by Dr. Yoshihiro OHMIYA, Director, Biomedical Research Institute (BMRI) had a meeting with Council of Scientific and Industrial Research (CSIR), India at CSIR HQ, Delhi. Representatives from four CSIR institutes (IIIM-Jammu, IGIB-New Delhi, IITR-Lucknow, IMTECH-Chandigarh) and administrative officials participated in one day brain storming **PIKNIKH (Platform for Innovating Knowledge to International Know-How)** Series XII, organized to identify leading topics for education and research training. AIST proposed **CSKILL INDIA-JAPAN (CSIR's Smart-science Kicking For Industrial Learning & Living INtegrated with DAILAB IN AIST - JAPAN)** and **CAUSIN (CSIR - AIST United Science INnovation & INdustrialization)** programs for basic and industrial research training for young Indian researchers in Japan. The two institutions showed consensus to work together on dissecting out the mechanisms of traditional home medicine components using unique technologies of AIST with first focus on developing anticancer and anti-Alzheimer natural drugs. Besides, research on botanical pharmaceuticals to reset the biological clock and quality of life, microbial technologies such as microbial production of Vitamin D3 and cellulose and mitochondrial pathologies were also discussed. Both AIST and CSIR are set to renew and strength their comprehensive MoU by taking up close collaborative research. Dr. Anurag AGARWAL (IGIB-New Delhi, India) and Dr. Sunil KAUL (AIST, Japan) were given responsibility to coordinate activities at two ends.

