

**INDIA (NECTAR) - JAPAN(AIST)
JOINT SYMPOSIUM**
AIST-INDIA DAILAB PIKNIKH SERIES 55
(Platform for Innovating **KN**owledge to **I**nternational **KN**ow^How)
Hosted by
**NORTH EAST CENTRE FOR TECHNOLOGY
APPLICATION & REACH (NECTAR)**
(FEBRUARY 27 - 28, 2024)

**Nutraceutical Interventions for Stress, Aging, and Cancer:
Science and Technology to Product Development**

Inauguration
9:30 to 10:00

Lightening the Lamp
Welcome Address
Arun SARMA, Director General, NECTAR, India
Inaugural Address and DST Perspectives
Usha DIXIT, Adviser, DST, India
Address and Introduction of AIST
Motomichi DOI, Director, CMBRI-AIST, Japan
Introduction of AIST-INDIA LAB and a decade of AIST's contribution in
India-Japan S&T cooperation
Renu WADHWIA, Prime Senior Research Scientist, AIST Japan

Technical Session 1 - Nat. Inst. of Advanced Industrial Science & Technology (AIST), Japan

Presenter 1
Invited lecture
10:00 - 10:25
Title: *Ashvagandha - Journey from books to herbs to herbeds!*
Speaker: **Sunil KAIL**

Presenter 2
Invited lecture
10:25 - 10:50
Title: *Biotech-based screening systems for nutraceuticals*
Speaker: **Yoshihiro OHMURA**

Presenter 3
Invited lecture
10:50 - 11:15
Title: *Soma and smart live screening system for anti-Alzheimer compounds*
Speaker: **Motomichi DOI**

Presenter 4
Invited lecture
11:15 - 11:30
Title: *Next generation cell culture system for validation of bioactive natural compounds*
Speaker: **Shingi SUGIURA**

HIGH TEA

Presenter 4
Invited lecture
11:45 - 12:15
Title: *Hypoxia modulating compounds for old age-related pathologies - Why and What?*
Speaker: **Renu WADHWIA**

Presenter 5
Invited lecture
12:15 - 12:35
Title: *Green tea polyphenol EGCG - what for and why from basic and clinical research?*
Speaker: **Ren YOSHITOMI**

Presenter 6
Invited lecture
12:35 - 13:00
Title: *Factors affecting human osteogenesis - Insights from animal stem cell culture studies*
Speaker: **Kazumi IHRANO**

LUNCH

Presenter 6
Invited lecture
14:00 - 14:25
Title: *However, there are few people who...*
Speaker: **...**

Presenter 7
Invited lecture
14:25 - 14:50
Title: *Grassroots People-to-People Exchange is the Important "Key" for our future...*
Speaker: **...**

Presenter 8
Invited lecture
14:50 - 15:15
Title: *Learn more each other without studying, researching physically, even...*
Speaker: **...**

Presenter 9
Invited lecture
15:15 - 15:40
Title: *...*
Speaker: **...**

ACADEMIA-INDUSTRY

Presenter 10 (16:00 - 16:30)
Hydrex compounds synthesis
Mikako UCHIGASHIMA

February 28, 2024 - Site Visit



The Shillong Times

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SHILLONG, Feb 29: The North East Centre for Technology Application and Reach (NECTAR) hosted the India (NECTAR)-Japan (AIST), Joint Symposium, on February 27 for 'PIKNIKH' (Platform for Innovating Knowledge to International Know How) Series 55 on the topic 'Nutraceutical Interventions for Stress, Aging and Cancer: Science and Technology to Product Development'.

A high-level team from AIST Japan including Dr Renu Wadhwa, Dr Yoshihiro Ohmiya, Dr Motomichi Doi, Dr Shinji Sugiura, Dr Ren Yoshitomi, Dr Kazumi Hirano, Dr Sunil Kaul and Mikiko Uchigashima expressed its views in this joint symposium.

Several institutions from the Northeast participated in the symposium including Dr NC Talukdar from Assam Downtown University, Prof RC Debra from Cotton University Assam, Dr Bunil Kumar Balabantaray and others from NIT Meghalaya, Dr Careen Pakyntiew and others from the Department of Biochemistry, NEHU, and many more esteemed guests.

It was a dynamic programme that brought together esteemed Japanese researchers and local experts to delve into the latest insights shaping the Science and Technology landscape.

The collaborative event proved to be an enriching exchange of knowledge and ideas, fostering cross-cultural dialogue and innovation. It featured a series of engaging discussions, presentations, and interactive sessions, where participants explored diverse topics ranging from Ashwagandha, Bioluminescence-based screening system for nutraceuticals, factors affecting human neurogenesis – learning from neural stem cell culture studies, Small and Smart live screening system for anti-Alzheimer compounds, and many other related and relevant topics.

Esteemed speakers from Japan shared their expertise, offering unique profound insights, practices and innovations from their intensive research.



India (NECTAR) -Japan (AIST) Joint Symposium, AIST -INDIA DAILAB PIKNIKH Series 55 held at NECTAR Shillong on 27th February 2024



