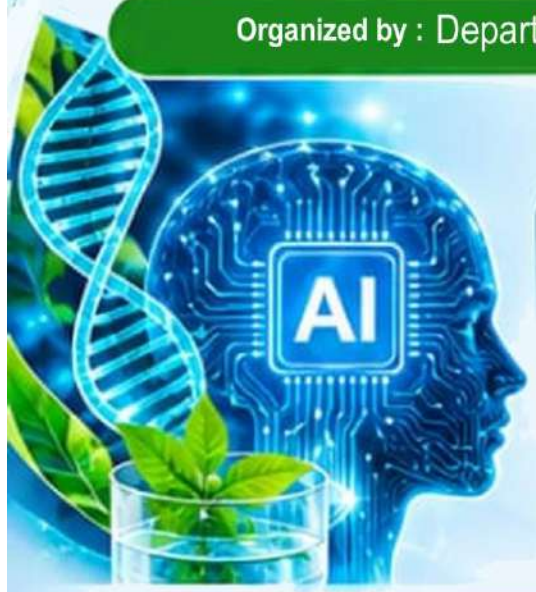
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Department of Biotechnology

Organized by : Department of **Biotechnology** | School of **Biotechnology & Pharmaceutical Sciences**



AISDGI-FDP26

INDO-ASIAN FACULTY / SCHOLAR DEVELOPMENT PROGRAM

on

AI-Driven Biology & Intelligent Therapeutics for SDG Innovation



Dates : 26th Nov - 01st Dec 2026

Timings : 10:00 AM - 12:30 PM, 01:30 PM - 03:30 PM

Mode : Online

TOPICS COVERED

- Artificial Intelligence for Next-Generation Biotechnology
- Intelligent Drug Discovery and Precision Therapeutics
- Ai-Powered Phytopharma and Natural Product Discovery
- Smart Plant and Algal Biotechnology
- AI-Enabled Bioprocessing and Bioeconomy
- AI for Green Biotechnolgy and Environmental Sustainability
- Integrating Indian Knowledge Systems with Modern Biotechnology
- Biotechnology, AI and Sustainable Development Goals

RESOURCE PERSONS & SESSION SCHEDULE



Dr. O.N. Tiwari
Chief Guest-Inagural
Principal Scientist
ICAR- IARI, New Delhi.

26.11.2026 | 10.20 AM - 12.15 PM
ARTIFICIAL INTELLIGENCE (AI & ML)
A Comprehensive overview: special emphasis on the case study of Northeast region of India in livelihood systems



Dr. Rajeev Kaushik
Professor & Principal Scientist ICAR-IARI, New Delhi.

26.11.2026 | 01.30 PM - 03.30 PM
From Metabolome to Microbiome: AI-Guided Design of Microbial Bio-inputs for Climate-Smart Agriculture



Mr. Prasad Jaladi
Founder and Chief Facilitator
Suraksha, USA & India

27.11.2026 | 09.20 AM - 10.45 AM
AI Driven Green Chemistry in Pharmaceutical Synthesi



Dr. Prashanth N Suravajhala
Professor
Manipal University, Jaipur.

27.11.2026 | 10.45 AM - 12.30 PM
Ethics in the age of genomics and AI



Abdul Matteen Rafiqi
Assistant Professor,
Bezmialem Vakif University,
Beykoz Institute of Life Sciences and Biotechnology,
Istanbul, Turkey.

27.11.2026 | 01.30 PM - 03.30 PM
The Eco-Evo-Devo Paradigm and the developmental integration of endosymbionts in hosts



Dr. Pannaga Pavan Jutur
Group Leader,
Omics of Algae,
ICGEB, New Delhi.

28.11.2026 | 09.00 AM - 10.45 AM
AI-Driven Omics and Metabolic Rewiring in Algae for Carbon Capture and Sustainable Bio-Innovations



Prof. Piyush Pandey
Director - IQAC
Assam University, Silchar, Assam.

28.11.2026 | 10.45 AM - 12.30 PM
Artificial Intelligence and Microbial Ecology: Predicting Plant–Microbe Synergies for Environmental Restoration



Dr. Subrata Nath Bhowmik
Principal Scientist
ICAR– IARI, New Delhi.

28.11.2026 | 01.30 PM - 03.30 PM
Arbuscular Mycorrhizal Fungi as Next-Generation Biofertilizers: Advancing sIntelligent Nutrient Management and Sustainable Agriculture



Dr. Kashyap Kumar Dubey
Professor
JNU, New Delhi.

30.11.2026 | 10.00 AM - 12.30 PM
AI in Bioprocess engineering



Dr. Seema Sangwan
Senior Scientist
ICAR-IARI, New Delhi

30.11.2026 | 01.30 PM - 03.30 PM
Intelligent Plant–Microbe Interactions: Harnessing Mycorrhizal Biofertilizers for Climate-Smart Agriculture and Sustainable Food Security



Dr. Surender Singh
Professor, Central University of Haryana, Mahendergarh.

01.12.2026 | 10.00 AM - 12.30 PM
Climate Smart Bio inoculants for Soil Health and Sustaining Agriculture Production



Dr. Livleen Shukla -
Chief Guest-Valedictory
Principal Scientist IARI, New Delhi.

01.12.2026 | 02.00 PM - 03.15 PM
AI for Green Biotechnology and Environmental Sustainability: From Microbial Innovations to Smart, Sustainable Solutions

Registration Last Date
25th November 2026

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Registration Link

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+91 78931 94758

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Organizing Team



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Explore AI. Transform Biology. Innovate for a Sustainable Future