

ABOUT *US*

The School of Biotechnology and Bioinformatics is a premier centre for excellence in education, research, and innovation across biotechnology, bioinformatics, food science, and allied life sciences, with a strong focus on interdisciplinary research addressing global challenges in healthcare, agriculture, sustainability, and pharmaceutical sciences.

AIDTB-2026 brings together eminent scientists, healthcare professionals, industry experts, entrepreneurs, and research scholars to explore the expanding role of AI in biological and healthcare sciences, fostering collaboration and discussing future directions for responsible AI adoption.

The conference's scientific programme is structured around four major thematic areas representing key frontiers in contemporary bioscience research.



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For more recent updates, visit:

<https://aidtb2026sbb.in>

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Founder, D. Y. Patil Group, India.

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D Y PATIL
DEEMED TO BE
UNIVERSITY
— SCHOOL OF —
**BIOTECHNOLOGY &
BIOINFORMATICS**
NAVI MUMBAI

2-Day National Conference
on

AI-DRIVEN TRANSFORMATION IN BIOSCIENCES **AIDTB-2026**

15 – 16 December 2026

Conference Venue

D. Y. Patil Deemed to be University, Navi Mumbai,
Sector 7, Nerul, Navi Mumbai-400706.

Pre-Conference Workshop
on

AI-DRIVEN MULTIOMICS ON ICECLOUD

14 December 2026

in association with



Pre-Conference Venue

AI & Digital Biology Cluster, 6th Floor,
School of Biotechnology and Bioinformatics,
D. Y. Patil Deemed to be University, Navi Mumbai.

Organised by

School of Biotechnology and Bioinformatics,
D. Y. Patil Deemed to be University, Navi Mumbai,
Plot 50, Sector 15, CBD Belapur,
Navi Mumbai 400614.

ABOUT AIDTB 2026

Artificial Intelligence is redefining the way we understand, investigate, and apply biological knowledge. From decoding complex molecular interactions and accelerating drug discovery to enabling precision medicine and sustainable agriculture, AI is rapidly transforming every facet of the biosciences ecosystem. As the convergence of biological sciences, data science, and intelligent technologies continues to accelerate, there is an increasing need for multidisciplinary platforms that foster collaboration, innovation, and meaningful dialogue among researchers, practitioners, industry leaders, and policymakers.

Recognizing this transformative shift, the School of Biotechnology and Bioinformatics at D. Y. Patil Deemed to be University, Navi Mumbai, is proud to organize the **National Conference on AI-Driven Transformation in Biosciences (AIDTB-2026)** on **15–16 December 2026**.

The School of Biotechnology and Bioinformatics is a premier academic and research centre dedicated to excellence in education, research, and innovation across biotechnology, bioinformatics, food science, and allied life sciences. With a strong commitment to interdisciplinary research and emerging technologies, the School actively promotes cutting-edge investigations that address global challenges in healthcare, agriculture, environmental sustainability, and pharmaceutical sciences.

AIDTB-2026 has been envisioned as a forward-looking platform that brings together eminent scientists, academicians, healthcare professionals, industry experts, entrepreneurs, research scholars, and students to explore the expanding role of Artificial Intelligence in transforming biological and healthcare sciences. The conference aims to facilitate the exchange of ideas, showcase innovative research, foster collaborations, and discuss future directions for responsible and impactful AI adoption in biosciences.

The scientific programme of the conference is structured around four major thematic areas that represent some of the most exciting frontiers in contemporary bioscience research.

PRE-CONFERENCE WORKSHOP

As a prelude to the National Conference on AI-Driven Transformation in Biosciences (AIDTB-2026), the **School of Biotechnology and Bioinformatics, D. Y. Patil Deemed to be University, Navi Mumbai**, in association with the High-Performance Computing Medical and Bioinformatics Applications (HPC-M&BA) Group, **Centre for Development of Advanced Computing (C-DAC)**, Pune, organizes a one-day hands-on pre-conference workshop on "AI-driven MultiOmics on ICE-Cloud."

The workshop introduces participants to the ICE-Cloud platform and its applications in AI-driven multi-omics analysis, computational genomics, molecular modelling, and drug discovery through expert sessions delivered by Scientists and Engineers from C-DAC, Pune. Participants gain hands-on experience with AI-enabled computational workflows, including machine learning approaches for on ICE-Cloud, while exploring emerging applications of Artificial Intelligence in precision medicine, biomarker discovery, and clinical genomics. Designed for students, researchers, academicians, and industry professionals, the workshop offers an excellent opportunity to enhance computational skills, interact with leading experts, and gain practical insights into AI-driven technologies that complement the scientific themes of AIDTB-2026.

CALL FOR ABSTRACTS

AIDTB 2026 invites abstracts for Poster Presentation and Oral Presentation from Researchers, Research Scholars, Postgraduate and Undergraduate Students.

Authors of accepted abstracts presented at the National Conference on AI-Driven Transformation in Biosciences (AIDTB-2026) **are invited to submit full-length research papers** for consideration in a indexed journal through the conference publication partner.

CONFERENCE THEMES

- 1. **AI-Driven Multi-Omics Integration**
- 2. **Smart Agriculture, Environment, and Food Sustainability Using AI**
- 3. **Generative AI in Drug Discovery**
- 4. **AI-Aided Precision Medicine in Healthcare**

Panel Discussion:
Shaping the Future of Life Sciences: Digital Biology, AI and Ethics

SUBMISSIONS

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[Abstract Submissions Form](#)

SPEAKERS

Dr. Pratik Chandrani
PI, Chandrani Lab,
System In-charge, HPC,
ACTREC, Tata Memorial Centre Kharghar, Navi Mumbai.
Talk on: “AI and Genomics Integration in Cancer”
Theme 01: AI Driven Multi-Omics Integration





Dr. Ganesh Bagler
Professor,
Founder - Foodoscope | Computational Gastronomy
Infosys Centre for Artificial Intelligence, IIIT-Delhi, New Delhi.
Talk on: “AI and Data Driven Insights from Omics to Computational Gastronomy”
Theme 01: AI Driven Multi-Omics Integration

Dr. Shailesh Kumar
Scientist IV,
BRIC – National Institute of Plant Genome Research, Delhi, India.
Talk on: “AI in Agriculture and Plant Science”
Theme 02: Smart Agriculture, Environment & Food Sustainability Using AI





Ms. Shruti Koulgi
Scientist E, HPC - Medical & Bioinformatics Application Group,
Centre for Development of Advanced Computing (C-DAC), Pune, India.
Talk on: “Integration of AI and ML in Drug Discovery”
Theme 03: Generative AI in Drug Discovery

Mr. Surojit Sadhu
CEO and Founder,
Advent Informatics Pvt Ltd, Pune, India.
Talk on: “AI-Driven Molecular Modeling: Transforming Modern Drug Discovery”
Theme 03: Generative AI in Drug Discovery





Dr. Kshitij Jadhav
Assistant Professor, Koita Centre for Digital Health, IIT Bombay.
Sectoral Expert (Health and AI) and Chief Project Coordinator, AI Centres of Excellence,
Ministry of Education, Government of India.
Talk on: “AI in Clinical Research and Implementation”
Theme 04: AI-Aided Precision Medicine in Healthcare

REGISTRATION FEE

Participation Category	Full Registration*	Session Only **
Students/ PhD Research Scholars	Rs. 1800/-	Rs. 1200/-
Faculty / Researchers	Rs. 2500/-	Rs. 1800/-
Industry - Working Professionals	Rs. 4000/-	Rs. 3000/-

***Full registration includes a conference kit, participation certificate, breakfast, lunch, and tea/coffee on conference days.**

****Session only includes a conference kit, a participation certificate, and access to all scientific sessions. Meals are not included.**

Pre-Conference Workshop	Rs. 800/-
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IMPORTANT DATES

31 August 2026	Abstract Submission with Registration Deadline
10 September 2026	Acceptance Notification Deadline
15 October 2026	Full length article Submission Deadline
15 November 2026	Conference / Pre - Conference Workshop Registration Deadline

14 December 2026	Pre Conference Workshop
15–16 December 2026	Conference Dates

SCAN TO REGISTER



OR
[Visit Our Conference Website](#)
<https://aidtb2026sbb.in>