

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.



For further information contact:

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For more recent updates, visit:

<https://aidtb2026sbb.in>

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Governor, Govt. of India

Founder, D. Y. Patil Group,
India.

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Director, Chairperson – AIDTB 2026

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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

*Pre-Conference Workshop
on*

AI-DRIVEN MULTIOMICS ON ICECLOUD

14 December 2026

in association with



Venue

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

Organised by

School of Biotechnology and Bioinformatics,
D Y Patil Deemed to be University,
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, Oral Presentation, and Online-Oral Presentation (for outstation participants) 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 THEME

- 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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EVENT SPEAKERS

Dr. Pratik Chandrani
System in-charge, HPC
ACTREC, Tata Memorial Centre Kharghar, Navi Mumbai.
[AI and Genomics Integration in Cancer](#)
Theme 01: AI Driven Multi-Omics Integration



Dr. Ganesh Bagle
Professor, IIIT-Delhi, New Delhi.
Infosys Centre for Artificial Intelligence
Founder - Foodoscope | Computational Gastronomy.
[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
[AI in Agriculture and Plant Science](#)
Theme 02: Smart Agriculture, Environment & Food Sustainability Using AI



Ms. Shruti Koulgie
Scientist E, HPC - Medical & Bioinformatics Application Group
Centre for Development of Advanced Computing, Pune, India.
[Integration of AI and ML in Drug Discovery](#)
Theme 03: Generative AI in Drug Discovery

Mr. Surojit Sadhu
Advent Informatics Pvt Ltd, Pune, India
[AI-Driven Molecular Modeling: Transforming Modern Drug Discovery](#)
Theme 03: Generative AI in Drug Discovery



Dr. Kshitij Jadhav
IIT-Bombay and KOITA Center for Oncology, Mumbai.
[Precision Medicine, Healthcare, and Diagnostics in Oncology](#)
Theme 04: AI-Aided Precision Medicine in Healthcare

REGISTRATION FEE

Student/Faculty of DY Patil University, Navi Mumbai	Rs. 1500/-
Out-House Students	Rs. 1800/-
Faculty / Research Scholars	Rs. 2500/-
Industry - Working Professionals	Rs. 4000/-
Pre-Conference Workshop	Rs. 800/-

SCAN TO REGISTER



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 and Pre - Conference Workshop Registration Deadline
14 December 2026	Pre Conference Workshop
15–16 December 2026	Conference Dates