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DYPIU, Akurdi, Pune

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SOBB, DYPIU, Akurdi, Pune
- Dr. Beeran Moidin
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Organizing Chairman:

- Prof. Ramendra Pandey
Director,
SOBB, DYPIU, Akurdi, Pune

Convener:

- Dr. Babuskin Srinivasan (8807762115)
SOBB, DYPIU, Pune

Co-Conveners:

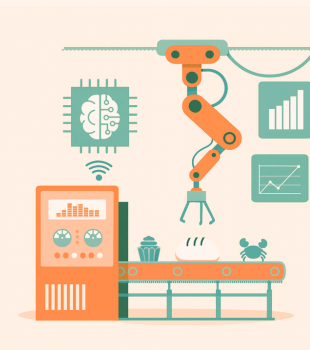
- Dr. Sidhartha Singh (9456369387)
SOBB, DYPIU, Pune
- Dr. Sonal Mahajan (8421416169)
SOBB, DYPIU, Pune

Registration & Payment Details:

- For UG/PG Students: - 500 Rs/
- For Research scholars/
Faculty members: -1000 Rs/
- For Industry personnel: -2000 Rs/
- If you are facing any issues in accessing the registration form kindly drop an email to conferencesobb@dypiu.ac.in

Kindly scan the QR code for registration & payment
Kindly complete the registration form after making the payment. Please ensure that you have the transaction ID and a screenshot of the payment ready before filling out the form.

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Registration



Payment



**D Y PATIL
INTERNATIONAL
UNIVERSITY**
AKURDI, PUNE

DBT Sponsored

National Conference on AI AND MODEL- DRIVEN STRATEGIES FOR SMART BIOMANUFACTURING AND SUSTAINABLE FOOD PRODUCTION



2nd & 3rd April, 2026

Events:

- **Paper & Poster Presentation**
(Abstracts maximum of 300 words in Times new roman font: 12, 1.5 spacing)
- **Technical Quiz**
- **Non-technical Competitions**

The abstracts should be forwarded to :
conferencesobb@dypiu.ac.in

Important Dates:

Last date for Registration: 20 February, 2026
Last date for Abstract Submission: 20 February, 2026
Intimation of acceptance: 27 February, 2026
Last date for paper submission : 20 March, 2026

Invited Speakers :

- **Dr. Aditi Joglekar**
Managing Director,
AVCHIT Biosolutions LLP, Pune
- **Dr. Amit Kumar Rai**
Scientist, BRIC-National Agri-Food &
Biomufacturing Institute, Pune
- **Dr. Amol Hivrale**
Rossari Biotech Ltd., Mumbai
- **Dr. Dakshesh Mehta**
Independent Biopharmaceutical Professional;
Visiting Faculty, IIT Bombay
- **Dr. Krishnakumar S**
AGM, Manufacturing Technology & Automation,
Gennova Biopharmaceuticals, Pune
- **Dr. Nilesh Kumar Sharma**
Senior Staff Scientist, Praj Matrix R&D Center, Pune
- **Dr. Prashant K. Dhakephalkar**
Director, MACS Agharkar Research Institute, Pune
- **Dr. Radhakrishnan K**
Assistant Professor, Dept. of Food Engineering &
Technology, CIT Kokrajhar, Assam
- **Dr. Ram Kulkarni**
Deputy Director & Professor, Symbiosis School of
Biological Sciences, Pune
- **Mr. Ravin Kumar**
Co-Founder, Bettrlabs, Chennai
- **Dr. Sandeep Shiromani**
Associate Director, MSAT (Fermentation), Biocon,
Bangalore

About the University

D.Y. Patil International University (DYPIU) is a state private university committed to innovative, outcome-based, and globally aligned education. Guided by its motto “Think, Thrive, Transform,” the university emphasizes interdisciplinary learning, industry collaboration, and research-driven solutions to real-world challenges.

DYPIU is recognized as a SIRO by DSIR, Government of India, reflecting its strong focus on research, innovation, and developing future-ready graduates. The university fosters an ecosystem that nurtures creativity, entrepreneurship, and experiential learning through modern laboratories, skill-development centers, and vibrant student engagement initiatives. With a strong emphasis on emerging technologies and sustainable practices, DYPIU continues to build global partnerships and contribute to impactful societal development.

About the School of Biosciences & Bioengineering (SBB)

The School of Biosciences & Bioengineering at DYPIU offers industry-aligned, interdisciplinary programs under the leadership of Prof. Ramendra Pandey, who fosters a strong research-driven environment.

Its flagship B.Tech Bioengineering program (launched in 2020) offers three specializations:

- **Biomedical Engineering**
- **Food & Biochemical Engineering**
- **Bioinformatics**

The School also offers **M.Sc. Medical Biotechnology** and **integrated M.Tech-Ph.D. programs**, all designed to promote innovation, scientific curiosity, and translational research.

About the Conference

This conference highlights the transformative role of AI and model-driven strategies in advancing smart biomanufacturing and sustainable food production. With rising climate challenges and increasing global food demand, these technologies enable precise optimization, predictive control, intelligent automation, and resource-efficient operations.

The event provides a platform for academicians, researchers, industry experts, and students to discuss cutting-edge innovations, share insights, and explore future opportunities shaping the bioindustry and food sectors.

Conference Themes

- AI and model-based strategies in bioprocess engineering
- Modelling applications in environmental biotechnology and circular bioeconomy
- Scale-up and optimization models for bioproduct development
- Smart manufacturing of bio-based products, biosimilars, and biopharmaceuticals
- Future food technologies and novel food systems
- Model-driven and emerging technologies in food engineering
- Model-based strategies for enzyme production and biocatalysis
- Sustainable and resilient food production systems
- Waste valorization and resource recovery in food and bioprocess industries
- Biorefinery engineering and integrated biomass conversion
- AI and machine learning for bioreactor design and precision fermentation

Conference Advisory Committee

- Dr. Amrendra K. Ajay
Faculty, Instructor in Medicine,
Harvard Medical School, Boston, MA, USA
- Mrs. Bhagyashri Mhatre
Founder, Food Monk Consultant, Pune
- Prof. Carlos Roberto Prudencio
Adolfo Lutz Institute, Center for Immunology, Brazil
- Prof. Jorge Kalil
Director of the Lab of Immunology
HoD Clinical Immunology and Allergy
São Paulo University – USP
- Dr. Niraj Rane
Project Scientist
BRIC–National Centre for Cell Science
DBT, Pune
- Dr. Owrang Eilami
Associate Professor of Infectious Diseases
Shiraz University of Medical Science, Iran
- Dr. Rahul Bhambure
Senior Scientist, Chemical Engineering &
Process Development, NCL Pune

Organizing committee

Dr. Surabhi Sonam
Dr. Parth Sarthi Sen Gupta
Dr. Meena Pandey
Dr. Prafull Chavan
Dr. Subhranshu Samal
Dr. Pravin Gade

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