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DYPIU, Akurdi, Pune

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- Prof. Manish Bhalla
Vice Chancellor
DYPIU, Akurdi, Pune

Co-patrons:

- Prof. Shashi Singh
Senior Professor
SOBB, DYPIU, Akurdi, Pune
- Dr. Beeran Moidin
Registrar, DYPIU, Akurdi, Pune

Organizing Chairman:

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

Convenor:

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

Co-Conveners:

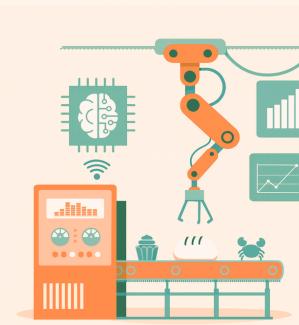
- Dr. Sidhartha Singh (9456369387)
SOBB, DYPIU, Pune
- Dr. Sonal Mahajan (8421416169)
SOBB, DYPIU, Pune

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.

*scan the payment QR code using any UPI app



**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 &
Biomanufacturing 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. Siddharth Gavhale
Dr. Parth Sarthi Sen Gupta	Mrs. Mayura Khanore
Dr. Meena Pandey	Mrs. Shubhangi Patil
Dr. Prafull Chavan	Mrs. Reema Deshmukh
Dr. Subhranshu Samal	Mr. Prabir Das
Dr. Pravin Gade	Mr. Dineshkumar Turkar

