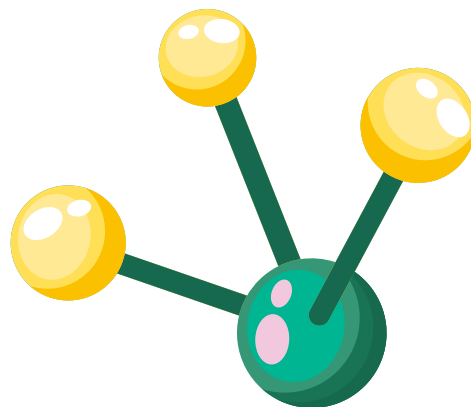


in collaboration with



**SHRI B.V. PATEL
EDUCATION TRUST**

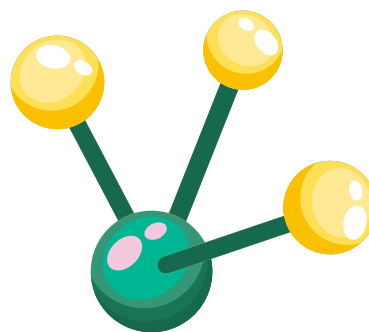


is organising

Three Days Hands on Workshop on

Microbial Cell Factories from Lab to **Public Health Solutions**

**11th - 13th
June, 2026**



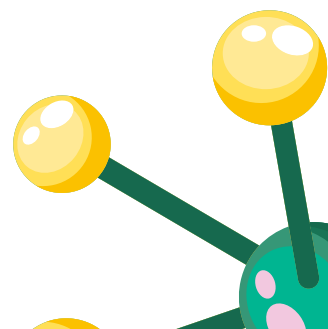
Get in Touch:



+91 85113 69904



micronanornd@paruluniversity.ac.in



About Parul University

A multidisciplinary destination of learning and innovation, propelling quality in higher education with a record of being India's youngest private university to receive NAAC A++ accreditation in the first cycle. Situated in Vadodara, Gujarat, Parul University, is an embodiment of the nation's essence of cultural heritage blended with modern innovations and academic practices for student enrichment, while fostering national and global development. The University is an amalgamation of faculties and institutes that offer a plethora of diploma, undergraduate, postgraduate and doctoral programs in numerous disciplines. Through its uniquely structured, industry linked and field aligned programs, the University holds a noteworthy record of fulfilling the infinite dreams of students, by launching their lucrative careers towards high trajectories through start-up incubation and impeccable placement records. The 125-acre eco-friendly campus is home to over 43,000 students from every State of India and over 2,500 international students from 68 countries, making Parul University a truly culturally global destination.

About Micro-Nano R&D Center

The Micro Nano Research and Development Center at Parul University, Vadodara, was established in 2024 under the auspices of the Industries Commissionerate, Government of Gujarat. This center was funded through the Scheme for Assistance for Research & Development Activities, under Gujarat Industrial Policy 2020. It is set to become a leading R&D Center for cutting-edge research and innovation in micro and nano technologies.



About Shri B.V. Patel Education Trust

Shri B.V. Patel Education Trust is established in the fond memory of the First Drug Controller of Gujarat, Shri Bhupendrabhai V. Patel in the year 1974. Vision and Mission of the Trust is educational activities in the field of pharmacy and allied sciences to support pharma industry with skilled scientists / technocrats / management professionals. To fulfil this goal the Trust carries out various programmes like International Symposiums, Hands on Training Workshops, Industry- Oriented Dissertation Programs etc. The Trust also conducts Shri B.V. Patel Essay Competition annually where students / academicians / industry professionals from various field can participate.

Learn More: www.bvpedutrust.com

Objectives of Workshop

1. **Examine advanced cultivation strategies** using algae as a model microbe to compare photoautotrophic, mixotrophic, and heterotrophic modes for physiological responses, productivity, scalability, and sustainable bioprocess development.
2. **Optimize and intensify biomolecule production via** metabolic regulation, nutrient modulation, and downstream processing to maximize lipid yield and quality for bioenergy, and pigment yield for high-value bioproducts.
3. **Explore the biomedical potential** of microalgal bioactive compounds, focusing on antimicrobial mechanisms of lipids against reference strains using broth dilution methods to support sustainable biomedical innovations.



Schedule of Workshop

Day 1 - 11th June, 2026	
09:30 AM - 10:30 AM	Registration & Breakfast
10:30 AM - 12:30 PM	Hands-on: Microalgae cultivation, media preparation, autoclaving, microscopic observation, and antimicrobial activity preparation
12:30 PM - 01:30 PM	Lunch Break
01:30 PM - 03:00 PM	Hands-on: Microalgae inoculation, plating, streaking & cell harvesting
03:00 PM - 03:15 PM	High Tea
03:15 PM - 04:15 PM	(Expert Session) Surface-Engineered Nanostructured Antibacterial Materials for Biomedical Applications
04:15 PM - 04:30 PM	Q & A
Day 2 - 12th June, 2026	
10:00 AM - 10:30 AM	Breakfast
10:30 AM - 11:30 AM	Emerging Applications of Nanomedicine and Biopolymers in Precision Cancer Therapy
11:30 AM - 12:15 PM	Hands-on: Pigments and lipid production preparation & Antimicrobial 96-well plate assay
12:15 PM - 01:15 PM	Lunch Break
01:15 PM - 02:15 PM	Hands-on: Pigment/Lipid production & Antimicrobial assays
02:15 PM - 03:15 PM	Hands-on: Downstream processing of lipid fractions purification
03:15 PM - 03:30 PM	High Tea
03:30 PM - 04:30 PM	(Expert Session) Therapeutic and Nutritional Potential of Microbial Lipids: Industrial Scale-Up
Day 3 - 13th June, 2026	
10:00 AM - 10:30 AM	Breakfast
10:30 AM - 12:30 PM	Hands-on: Lipid analysis & Antimicrobial assay analysis
12:30 PM - 01:30 PM	Lunch Break
01:30 PM - 02:30 PM	(Expert Session) Blue-Green Innovation: Algal Manufacturing for Health, Nutrition, and Sustainability
02:30 PM - 03:30 PM	Hands-on: Growth Kinetics estimation & MIC assay
03:30 PM - 03:45 PM	High Tea
03:45 PM - 04:15 PM	Valedictory & Feedback

SCAN & REGISTER NOW!!!



10 Seats Only
Last Date to Register: 6th JUNE, 2026

Conveners

Prof. (Dr.) Unnati Joshi,
Chief Research Officer,
Faculty of Engineering & Technology,
Parul University

Dr. Neeta Shrivastava,
Deputy Director,
Shri B. V. Patel Education Trust,
Ahmedabad

Coordinators

Dr. Juhi Saxena,
Associate Professor (Research Cadre),
Faculty of Engineering & Technology
Parul University

Dr. Anwasha Khanra,
Assistant Professor (Research Cadre),
Faculty of Engineering & Technology
Parul University

Venue

Micro-Nano R&D Center

Parul University,
P.O Limda, Waghodia, Vadodara,
Gujarat, India - 391760

Email: micronanornd@paruluniversity.ac.in
Phone: +91 8511369904

