

National Conference on Bioprospecting: Sustainable Innovations in Healthcare & Agriculture



5th & 6th December, 2025

9:00am to 5:00pm

Somaiya Vidyavihar University,
Mumbai, Maharashtra.

Organized by:

Department of Life Sciences

Somaiya School of Basic and Applied Sciences

Concept Note:

Bioprospecting, also known as 'biodiversity prospecting', involves the scientific investigation aimed at discovering novel bioactive compounds, genes, or substances from natural sources. These natural products have significant applications in healthcare and agriculture, contributing to sustainable development across various sectors. Over the past decade, there has been intensified research on natural products as therapeutic agents for conditions such as cancer, diabetes, and other metabolic disorders. In the field of agriculture, bioprospecting has resulted in the discovery of novel products that boost crop production and offer protection to plants. Today's world is challenged by climate change, antibiotic resistance, food insecurity, and limited resources, hence the need for sustainable, nature-based solutions has become increasingly urgent. Bioprospecting presents a viable approach to responsibly harness the potential of nature, aligning with global objectives such as the United Nations Sustainable Development Goals (SDGs) and the National Education Policy (2020), which emphasizes the revival of the Traditional Knowledge System. The conference seeks to integrate traditional knowledge with advanced scientific research to address global challenges in healthcare, agriculture, and environmental sustainability. It also aims to provide a platform for researchers, industry leaders, policymakers, and community stakeholders to collaborate and present sustainable innovations. The broader vision of the meeting is to initiate a dialogue towards a more inclusive and sustainable future.

Event Plan:

The meet has been planned as a two-day event which will include:

Seminars by Scientists working in different aspects of Bioprospecting in India.

Oral and Poster session by academicians and students (open to all colleges at the national level)

Panel discussion: All stakeholders: academia, Industry, students and teachers

Major themes of the conference are:

- Natural Product Discovery and Drug Development
- Functional Foods and Nutraceuticals through Bioprospecting
- Microbial and Algal Bioprospecting
- Omics and Biotechnological Tools for Bioprospecting
- Traditional Knowledge Systems and Scientific Validation
- Bioprospecting for Sustainable Agriculture
- Bioprospecting for Climate Change Adaptation and Resilience
- Role of AI and ML in sustainable development in healthcare and agriculture

About Somaiya Vidyavihar University

Somaiya Vidyavihar University, the first private university in Mumbai, is a vibrant center of multidisciplinary education and research. It offers a comprehensive range of programmes at the undergraduate, postgraduate, and doctoral levels across diverse fields such as Arts, Sciences, Engineering & Technology, Commerce & Business Studies, Humanities & Social Sciences, Languages & Literature, Music & Performing Arts, Education, and Dharma Studies. The University is built on a strong foundation of academic freedom, innovation, and inclusivity. It provides students and scholars opportunities for flexible learning, credit mobility, and international collaborations. Research and entrepreneurship are integral to its mission, supported by initiatives like RiiDL (Research, Innovation, Incubation & Design Laboratories) and BioRiiDL, which foster interdisciplinary innovation and knowledge creation. With state-of-the-art facilities, robust mentorship through career planning services, and a culture of inquiry that bridges theory with practice, Somaiya Vidyavihar University encourages its academic community to engage with socially relevant challenges. The campus also offers a supportive environment enriched by cultural diversity, sustainability initiatives, and strong community outreach. The University stands as a dynamic space where scholars, educators, and researchers come together to advance knowledge, nurture talent, and contribute to the larger good of society.

About Department of Life Sciences

The Department of Life Sciences at Somaiya School of Basic and Applied Sciences is a vibrant and innovative hub equipped with state-of-the-art laboratories and teaching infrastructure. The department houses competent and enthusiastic faculty committed to advancing the frontiers of applied biological sciences and nurturing the next generation of students to promote excellence in research and teaching. Our department offers a comprehensive range of academic programs designed to cater to the diverse interests and career aspirations of our students. These include B.Sc. Biotechnology, M.Sc. Biotechnology, M.Sc Industrial Biotechnology, M.Sc Nutraceuticals, and Ph.D. in Biotechnology and Nutraceuticals. Our academic programs are crafted to provide hands-on experiences to students, ensuring their preparedness for careers in academia, industry, and research institutions. We maintain strong collaborations with leading biotechnology companies, research institutes, and government agencies.



Eminent Speakers & Panelists



Prof. Dr. Bhushan Patwardhan
Savitribai Phule University, Pune



Prof. Dr. Yogesh Shouche
National Centre for Cell Science, Pune



Dr Sanjeevan T. P
Cochin University of Science and Technology



Dr Anil Kumar
Rani Lakshmi Bai Central
Agricultural University, Jhansi



Dr CRK Reddy
Institute of Chemical Technology, Mumbai



Ft. Subha Nishthala
FSSAI-AFSTI, Incharge of food safety
and quality assurance, Mumbai

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Former Head, Department of Microbiology, Dr. Babasaheb Ambedkar
Marathwada University President, Microbiology Society of India

EVENT CONVENOR

Dr Seema Sambrani

Associate Professor and Head,
Department of Life Sciences, Somaiya Vidyavihar University

EVENT CO-CONVENOR

Dr Deepti Gupta

Associate Professor,
Department of Life Sciences,
Somaiya Vidyavihar University

Dr. Shruti Kakodkar

Assistant Professor,
Department of Life Sciences,
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Dr. Vibhu Bhatia

Assistant Professor,
Department of Life Sciences,
Somaiya Vidyavihar University

ORGANISING TEAM

- **Mr. Amit Jethwa**, Assistant Professor, Department of Life Sciences, SVU
- **Mr. Jayesh Bhagat**, Assistant Professor, Department of Life Sciences, SVU
- **Dr. Jacinta George**, Assistant Professor, Department of Life Sciences, SVU
- **Dr. Nidhi Maheshwari**, Assistant Professor, Department of Life Sciences, SVU
- **Dr. Preeti Jain**, Assistant Professor, Department of Life Sciences, SVU
- **Ms. Tejal Bowlekar**, Assistant Professor, Department of Life Sciences, SVU



Registration Fees (in INR)

Faculty/Academics	2500/-
Industry Delegates	5000/-
UG and PG students	750/-

Last date of Registration

15th November 2025

Registration Link

<https://forms.gle/L5fDXmoybEsR5Txw6>

Abstract Submission for Poster/Oral Presentation

- Last date of submission of abstract: 10th November, 2025
- Abstract submission details: Download the abstract submission form by clicking on the link [Abstract Submission Form](#)
- Submit the duly filled abstract submission form and email the abstract to the bsiha.conference2025@gmail.com
- Poster size : Vertical orientation - 3ft x 4ft (width x height)

***All participants (UG/PG students, Research scholars, faculties, industry delegates) are eligible for poster presentation.**

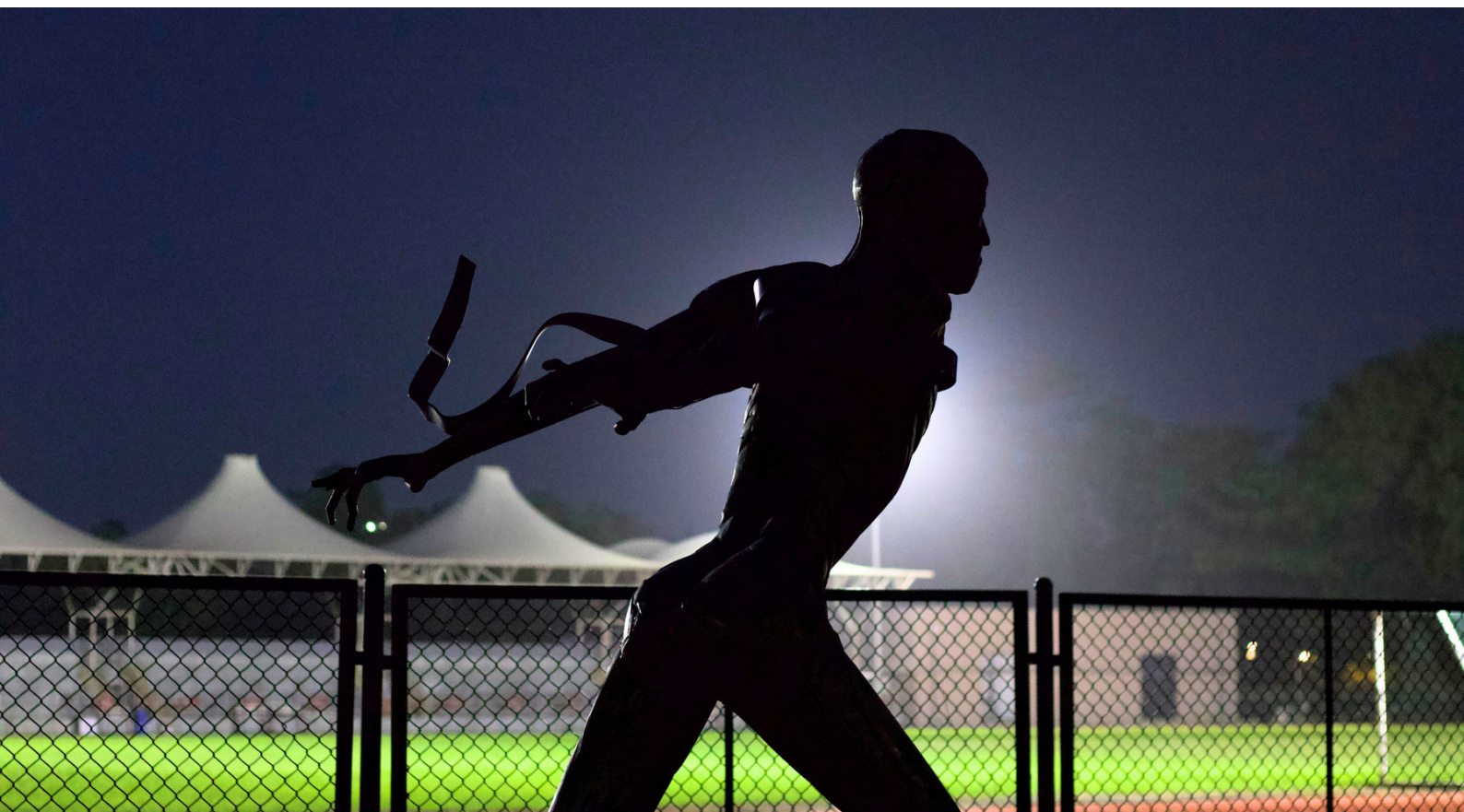
***Only Research scholars and Faculties are eligible for oral presentation.**

***Only experimental work should be presented; no reviews will be considered by the presenting authors for oral or poster presentation.**

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