



**Rayat Shikshan Sanstha's**  
**Yashwantrao Chavan Institute of Science**  
(Lead College of Karmaveer Bhaurao Patil University, Satara)



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NAAC Reaccredited at A+ Grade with CGPA: 3.57, UGC-CPE-II, DBT-STAR,  
DST-FIST, RUSA Excellence, UGC-PARAMARSH, ISO: 9001-2015

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Two Days  
International Conference on  
**“Agriculture, Environment and Life Sciences”**  
(ICAELS-2025)  
(21<sup>st</sup> – 22<sup>nd</sup> February, 2025)

**Organized by**  
Department of Botany,  
Yashwantrao Chavan Institute of Science,  
Karmaveer Bhaurao Patil University, Satara 415 001,  
Maharashtra, India

## **About Rayat Shikshan Sanstha, Satara**

Rayat Shikshan Sanstha is one of the largest educational institutions in Asia. It was founded in 1919 by Karmaveer Bhaurao Patil with the noble aim of integrating socially and economically disadvantaged communities into the mainstream through education. In recognition of his immense contribution to the field of education, the Government of India honoured him with the prestigious **Padmabhushan** Award. Currently, Rayat Shikshan Sanstha operates an impressive network of 751 branches, which includes 42 colleges, 441 secondary schools, 7 training colleges, 52 primary schools (24 of which are English-medium), 42 pre-primary schools (28 English-medium), 91 hostels, 7 administrative offices, 8 Ashramshalas, 3 Industrial Training Institutes (ITIs), 52 ancillary branches, and one research institute.

## **About Organizing Institute**

Yashavantrao Chavan Institute of Science, Satara (YCIS) is a premier institution and the Lead College of Karmaveer Bhaurao Patil University, Satara. It has been reaccredited with an A+ grade (CGPA 3.57) by the National Assessment and Accreditation Council (NAAC) in its third cycle. The institute has earned numerous accolades, including the *College with Potential for Excellence* status from the University Grants Commission (UGC), recognition under the Star College Scheme by the Department of Biotechnology, and FIST support from the Department of Science and Technology, Government of India. It has also received the *Best College Award* for its NSS Unit from the Government of Maharashtra and Shivaji University, Kolhapur, as well as the *Academic Excellence Award* and *Best College Award* from Shivaji University and Rayat Shikshan Sanstha, Satara.

YCIS has been recognized under the RUSA Excellence Program and granted financial assistance under RUSA Component 8. The institute offers undergraduate (UG), postgraduate (PG), and Ph.D. programs in basic sciences and professional courses, all under one roof. Its robust research facilities, state-of-the-art infrastructure, student-centric amenities, and scholarships foster an academic and research-oriented culture aimed at

developing competent citizens. Recently, the institute established a *Centre for Invention, Innovation, and Incubation* with support from RUSA, Tata Technologies Pvt. Ltd., Singapore, and the Science and Technology Park, Pune. The institute also established a Section 8 company named Karmaveer Bhaurao Patil Research Foundation (KBPRF). Presently, 3,761 UG students, 442 PG students from across India (from Kerala to Jammu and Kashmir), and 78 Ph.D. research scholars are pursuing their education at YCIS.

## **About Satara City**

Satara, a historic city and [a capital of the Maratha Empire](#), is located in the state of Maharashtra, India. It lies along the Pune-Bengaluru National Highway (NH-48), approximately 110 km from Pune. The city is renowned for its proximity to the Kaas Plateau, a UNESCO World Natural Heritage Site, situated just 22 km away. Satara also serves as a gateway to several other popular destinations, including Mahabaleshwar, Thosegar Waterfalls, Panchgani, and Sajjangarh.

## **About the Conference**

The "**International Conference on Agriculture, Environment, and Life Sciences (ICAELS-2025)**" aims to provide a global platform for researchers, academicians, industry professionals, policymakers, and students to exchange knowledge and foster collaboration. This interdisciplinary event focuses on the critical intersections of agriculture, environmental science, and life sciences, addressing pressing global challenges and exploring future opportunities.

### **Key Focus Areas**

1. **Sustainable Agriculture:** Highlighting innovative practices to enhance crop productivity, improve soil health, optimize water use efficiency, and adopt precision agriculture technologies for global food security.
2. **Environmental Conservation:** Exploring strategies for biodiversity preservation, climate change mitigation, pollution control, and eco-friendly technological advancements to maintain ecological balance.

3. **Basic Biological Sciences:** Focusing on fundamental research in areas such as taxonomy, cell biology, genetics, molecular biology, physiology, and ecology to understand biological processes and their applications in addressing real-world problems.
4. **Advancements in Life Sciences:** Showcasing breakthroughs in biotechnology, genetic engineering, bioinformatics, and disease management for plants, animals, and humans.
5. **Artificial Intelligence in Research and Development:** Highlighting AI's transformative role in analysing big data, optimizing experimental designs, automating workflows, and facilitating interdisciplinary research across agriculture, environment, and life sciences.

The conference emphasizes the interconnectedness of agriculture, environment, and life sciences in tackling critical global issues. Sustainable agricultural practices and cutting-edge technologies are crucial for ensuring food security, improving soil and water quality, and addressing climate change challenges. The event also promotes environmental conservation through biodiversity preservation, pollution management, and strategies to sustain ecological balance. Further, it underscores the importance of life sciences in advancing human, animal, and plant health via biotechnological innovations, bioinformatics, and eco-friendly solutions. ICAELS-2025 calls for multidisciplinary collaboration among stakeholders to develop resilient systems that align growth, environmental sustainability, and human well-being. The conference aspires to foster global partnerships and drive innovative solutions that support the Sustainable Development Goals (SDGs). It seeks to ensure the well-being of future generations while safeguarding environmental integrity and promoting sustainable development.

## **Invitation**

We are pleased to invite you to participate in the **International Conference on “Agriculture, Environment, and Life Sciences (ICAELS-2025),”** organized by the **Department of Botany, Yashwantrao Chavan Institute of Science, Karmaveer Bhaurao Patil University, Satara, Maharashtra, India** on **21<sup>st</sup> – 22<sup>nd</sup> February 2025**. This prestigious event aims to bring together leading scholars, researchers, academicians, and industry professionals from around the world to discuss and exchange ideas on the latest advances, challenges, and solutions in agriculture, environmental science, and life sciences for sustainable development. The conference serves as a platform to foster collaboration, inspire innovation, and advance research in these critical domains. We look forward to your participation in making ICAELS-2025 a significant step toward sustainable progress.

### **Conference Highlights:**

- Keynote lectures by eminent speakers
- Plenary sessions and panel discussions
- Oral and poster presentations

### **Important Dates:**

Abstract submission deadline: 30<sup>th</sup> January, 2025

Full length papers: 16<sup>th</sup> February, 2025

Registration deadline: 16<sup>th</sup> February, 2025

For more details regarding registration, submission guidelines, and the conference schedule, please visit our website: [www.ycis.ac.in](http://www.ycis.ac.in)

We look forward to your participation and contribution to making this conference a grand success.

Warm regards,

**Mr. H. L. Shinde**

Convener, ICAELS-2025

Head, Department of Botany, YCIS, Satara

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Satara**

**Call for abstract and full-length articles**

Abstracts should be submitted in Microsoft Word format via email to  
[icaels2025@ycis.ac.in](mailto:icaels2025@ycis.ac.in).

The submission must include the following: **Title of the Paper; Names of  
the Author(s); Affiliations of All Authors; Abstract Text; Keywords**



The abstract should not exceed **300 words** and must adhere to the following formatting guidelines: **Font:** Times New Roman; **Font Size:** 12; **Alignment:** Justified; **Line Spacing:** 1.5.

We welcome abstracts presenting **original research contributions** and **case studies** that align with the conference theme. Full-length papers of accepted abstracts will be published in "**The Bioscan**" (indexed in Clarivate Analytics, Web of Science), subject to a rigorous peer-review process to ensure compliance with journal standards.

## **Registration Fee**

- Registration Fee:

Category	Indian (INR)	Foreigner (USD)
UG/PG Students	500	10
Research Scholars	750	15
Faculty Members	1500	20
Industry Representatives	2000	25

- Registration fee will include participation in all sessions, presentation of work, registration kit, certificates, e-abstract book, breakfast and lunch on conference days).
- A registration fee does not include the article processing charges (APC). APC will be communicated separately to the corresponding author of the full length paper.
- Accommodation: Information regarding hotel availability and rate card of hotels will be provided on demand.
- Mode of Payment: online
- Bank Details:

Name of the Bank: Bank of Baroda

Account Name: The Principal, Yashavantrao Chavan Institute of Science, Satara

Account Number: 04420200000159

IFS code: BARB0SATARA

Branch: Satara

- For online registration visit: [www.ycis.ac.in](http://www.ycis.ac.in)

## Contact

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Rayat Shikshan Sanstha's  
**Yashwantrao Chavan Institute of Science, Satara**  
**A Lead College of Karmaveer Bhaurao Patil University, Satara**

Two Days International Conference on  
**Agriculture, Environment and Life Sciences** (ICAELS-2025)  
(21<sup>st</sup> – 22<sup>nd</sup> February, 2025)

**Registration Form**

Full Name: Prof./Dr./Mrs./Ms: .....

Designation: .....

Affiliation: .....

Address: .....

.....

.....

Telephone / Mobile: .....

Email: .....

Type of Registration: (Tick (√) whichever is applicable)

UG or PG Student/Research Scholar/Faculty/Industry Representative

Registration fee Details:

Amount: .....

Transaction ID: .....

## **Working Committees**

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## Tentative Schedule of the Conference

Sr. No.	Session	Event	Time
<b>Day I</b>			
1	Session I	Inaugural Function <b>Chief Guest:</b> <b>President:</b>	10.00 to 11.00 am
2	Session II	Key Note Address <b>Resource Person I:</b>	11.00 to 12.00 noon
3	Session III	Plenary Talk I <b>Resource Person II:</b>	12.00 to 1.00 pm
<b>Break</b>			1.00 to 2.00 pm
4	Session IV	Plenary Talk II <b>Resource Person III:</b>	2.00 to 3.00 pm
5	Session V	<b>Oral Presentations</b>	3.00 to 5.00 pm
6	Session VI	<b>Poster Presentation</b>	5.00 to 6.00 pm
<b>Day 2</b>			
6	Session VII	<b>Oral Presentations</b>	9.00 to 11.00 am
7	Session VIII	Plenary Talk III <b>Resource Person IV:</b>	11.00 to 12.00 noon
8	Session IX	Plenary Talk IV <b>Resource Person V:</b>	12.00 to 1.00 pm
<b>Break</b>			1.00 to 2.00 pm
9	Session X	Plenary Talk V <b>Resource Person VI:</b>	2.00 to 3.00 pm
10	Session XI	Valedictory session <b>Chief Guest:</b> <b>President:</b>	3.00 to 4.00 pm