



DEPARTMENT OF BOTANY

Annual Report 2025-26

Department of Botany is One of the Major Dept.in participating conducting various curricular and Co-curricular activities and contribute in College Progress.

Departmental Activity

Academic activities like Quiz, Projects, Group discussion & Seminars, Class Test were conducted as well as Co-curricular activities like Study tour and visited to Industries and Research institutes for B. Sc. I Yr., II Yr .& III Yr. as well as M. Sc. I & M.Sc.II yr. Students

1st July 2025 “**Krusha Divas**” was celebrated by collaboration with Environment cell, in presence of Principal Dr. R. D. Chandrawanshi Sir. All the staff members of Botany, Environment cell & Non-Teaching staff were present.

On Independence Day, 15/8/2025, Dept. of Botany & Environment cell has organised Tree plantation of Medicinal plants in campus in presence of Hon. Principal Dr. V. D. Nanoty Sir, all the staff members of Botany, Environment cell & Non-Teaching staff were present.

Students Achievements:

Our student MS. Vaishnavi V. Rathod (UG) secured IInd Prize & MS. Poonam Bais (PG) secured IInd Prize in Seminar Competition Organized by Botany Dept. Shri Shivaji Arts, Comm. & Sci. Coll. Akola, on the occasion of Wetland Day dated 2 Feb 2024.

Similarly, Mr. Sugat Ora Chakre PG student was felicitated by Principal Shri R.L.T. College of Science, Akola as He has qualified MH-SET Examination 2025 .

The Achievements of Staff Members are listed below.

Dr. P.M. Khadse

- Recognized as Post Graduate Teacher in Botany by S.G.B. Amravati University Amravati.
- Promoted as Professor in Botany on the basis of CAS
- He has published 2 research papers in International and UGC listed, peer reviewed and refereed journals
- He has presented papers in oral/posters presentations in national /international conferences.
- Published one book for B.SC.II (Sem-IV) Entitled: Cellular Frontiers in Botany :

Cell Biology , Cytogenetics and Molecular Biology as Main Author.

- Appointment as V.C. Nominee and Subject Expert for the placement committee of the Teacher under CAS by Vice Chancellor of S.G.B. Amravati University Amravati .

Dr. V.N. Badgujar

- She has worked as member of PG Admission committee
- she has presented four research papers in National and International conferences and published papers in journals.
- She has worked as Co-author for text book of Botany, microbial diversity and Cryptogams.(B.Sc. II yr Sem- III) ISBN No.:978-81-991765-8-4
- She has received Ph.D. degree on 5th Feb 2026 Topic :- “ Anatomical & Chemotaxonomic Evaluation of Ipomoea species in Maharashtra state.”

Dr. A.A. Sangole

- She has published 2 research papers in International journals.
- She has presented 1 research paper in National and 2 research papers in International conferences.
- She has guided 3 M.Sc.II students for desertation.

Dr. S.V. Madavi

- He has recognized as Ph.D supervisor in subject Botany
- He has published 2 Research papers in International journals
- He has presented 1 Research paper in International conference.

**Dept of Botany, Holy Basil Club Organised Various Activities during
this session as below:**

Shri R. L. T. College of Science, Akola

DEPARTMENT OF BOTANY

Departmental Report

Session- 2025-26

Intercollegiate Eco-Friendly Rakhi making Competition cum Exhibition

Report

Conducted Date	07/08/2025
Number of Participants	87
Number of Beneficiaries	More than 100
Venue	Shri R.L.T. College of Science Akola

Intercollegiate Eco-Friendly Rakhi Making Competition was conducted on the occasion of Raksha Bandhan, Department of Botany Shri R.L.T. College of Science was organised delightful Intercollegiate Ecofriendly Rakhi making Competition cum Exhibition. During inauguration dignitaries on the dais Honourable Principal Honourable Dr. Rajesh Chandrawanshi as a chief guest of the programme. Convenor Dr. A. A. Sangole & Head dept. of Botany Dr P.M. Khadse and organising secretary Mrs V.N. Badgujar, Dr, S. V. Madavi Organizing Secretary, Dr. Shruti Khandare and Mr. Nilesh Sonone as a organising Committee.

The objective of this competition was to increase the awareness among the students and teaching fraternity to protect and safeguard the environment and avoid using nonbiodegradable resources. The theme of this competition was to make Eco-Friendly Rakhi using biodegradable materials such as cotton, leaves, paper, etc. The atmosphere buzzed with the joyful energy of creativity as students poured into designing unique Rakhi's, each a reflection of their style and affection. This event not only provided a canvas for artistic expression but also deepened their connection to the festival's significance.

A panel of judges, Dr. Archana Sawarkar & Dr. Kavita M. Heda took on the task of evaluating the Rakhi's based on creativity, craftsmanship, and tradition. The competition showcased the participants' remarkable talent and dedication.

All the students showcased their artistic skills to weave magic with colourful threads and ecofriendly materials. 87 groups of students from various streams participated in this event and were acknowledged for their creativity with a certificate of merit and appreciation. The competition came to an end as students committed themselves on a positive note. There was an atmosphere of learning and growing together.

The winners are as

follows. ISt – Prize: -

1. Miss. Aswini Kakad (PG): Shri Shivaji College of Science, Akola
2. Miss Gauri Korpe (PG): Shri RLT College of Science, Akola

2nd - Prize: -

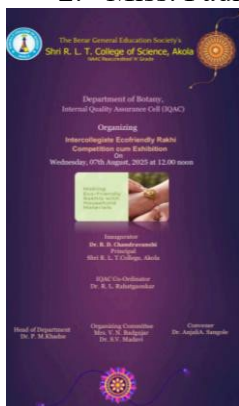
3. Mr. Amar Bhavnagre: Shri RLT College of Science, Akola
4. Mr. Yash Dongare: Shri RLT College of Science, Akola

3rd – Prize: -

5. Miss. Dyneshwari Kalmegh: Shri RLT College of Science, Akola
6. Miss. Aastha Navalkar: Shri RLT College of Science, Akola

Consolation Prizes: -

1. Miss Taiba Firdous Subhan Khan: Shri RLT College of Science, Akola
2. Miss. Padma Sawarkar: Shri RLT College of Science, Akola



Dr. Anjali A. Sangole
Convener

Dr.P.M. Khadse
HOD

Dr.R.D. Chandrawanshi
Principal
Shri R.L.T. College of Science, Akola

The Berar General Education Society's

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.18

DEPARTMENT OF BOTANY

Study Tour Report

Date: 21/08/2025

Place: Ankur Seed Pvt. Ltd Nagpur (Maharashtra)

Number Of Beneficiary:45

One day educational trip was organized by Department of Botany, Ankur Seed Pvt. Ltd Nagpur (Maharashtra). Ankur Seeds' extensive 300-acre research farms and well-equipped laboratories, which include specialized units for pathology, molecular biology, and plant tissue culture. Students learned about the company's research into genetically modified (transgenic) crops and the development of pest-resistant germplasm. The tour comprised students of B.Sc. II (III semester) accompanied by faculty members Mrs. Vaishali N. Badgujar, Dr. Anjali A. Sangole, Dr. Shailendra V. Madavi, Dr. Shruti Khandare & Mr. Nilesh Sonone and Rajesh Dandanaik (Lab Assistant) from Deptt. Of Botany. All the students were directed to gather at college at 6:30AM. Principal of the college Dr. R.D. Chandrawanshi sir wished all the students best and safe journey.

We started our journey at 7.00 am with Bus Service and reached at 12: 00 PM at the location. Dr. Ashwin Kashikar and Mr. Shivraj Madase warmly welcomed all of us. He has given the all information about Ankur Seed and Students was visited the different Departments e.g. pathology, molecular biology, and plant tissue culture. Lab. etc. The visit gave students valuable, real-world exposure to the application of agricultural biotechnology, with specific labs covering biochemistry, entomology, and fiber testing. The tour was highly effective in enriching students' understanding of botanical sciences and modern agricultural research.



Study Tour In charge
Dr. Anjali A. Sangole

Professor & Head
Dr. P.M. Khadse

Principal
Shri R.L.T. College of Science,
Akola

Department of Botany
NAV-PLANTOTSAV' Exhibition

Report

Conducted Date	26/09/2025
Number of Participants	61
Number of Beneficiaries	More than 100
Venue	Shri R.L.T. College of Science Akola

Nav-Plantotsav Exhibition was organised on the occasion of Navratri. Plants are crucial during Navratri, symbolizing life, fertility, prosperity, and divine energy, used

in rituals like planting barley (Jau) for good fortune, adorning altars with flowers like the Lotus (linked to goddesses), and incorporating medicinal herbs (Nava Patrika) for health, representing nature's bounty and the goddess's power for spiritual and physical well-being. During inauguration dignitaries on the dais Honourable Principal Dr. Rajesh Chandrawanshi as a Inaugurator of the programme, Dr. Vaishali Patil Shri Shivaji Science College Akola as a Chief guest. Convenor Dr. A. A. Sangole & Head dept. of Botany Dr P.M. Khadse and organising secretary Mrs V.N. Badgujar, Dr, S. V. Madavi Organizing Secretary. Teaching staff Dr. Shruti Khandare, Dr. Nilesh Sonone & Miss Shubhangi Kale as an organising Committee member. One of the most symbolic rituals during Sharad Navratri is the 'Navapatrika' ceremony. Nine different plants are bundled together, representing nine goddesses. These nine plants typically include Banana plant leaves, turmeric, pomegranate, Colocasia leaves, Ashoka leaves, arum plants, rice paddy, Jayanti plants, and Bel plant leaves. The Navapatrika is considered a symbol of the divine feminine and the interconnectedness of all life forms.

Chief Guest, Dr. Vaishali Patil (Dandage) took on the task and encourage the students based on creativity, craftsmanship, and tradition. The Exhibition showcased the participants' remarkable talent and dedication. Navratri provides an excellent opportunity for us to understand the importance of plants as the days of fasting and consuming plant-based foods can help us understand the healing properties of plants. Plants such as Aloe Vera have been proven to have immense healing benefits and are widely used to treat many skin conditions. The Sacred Tulsi plant is also medicinal and it is widely used in making teas and 'kadaahs' that help in maintaining body immunity.

All the students showcased their artistic skills to weave magic with colourful festival of Navratri is steeped in tradition and spirituality



Dr. Anjali A. Sangole
Convener



Dr. P.M. Khadse
HOD



Dr. R.D. Chandrawanshi
Principal

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA
DEPARTMENT OF BOTANY
ON THE OCCASION OF
NATIONAL SCIENCE DAY
ORGANIZED
PLANT CELL MODEL PREPARATION COMPETITION

28TH FEBRUARY 2026

INTRODUCTION

The Department of Botany, Shri R. L. T. College of Science, Akola organized a **Plant Cell Model Preparation Competition** for B.Sc. students on the occasion of **National Science Day**. The competition aimed to enhance students' understanding of plant cell structure and organelles through creative and practical learning. The activity was organized in alignment with the **National Education Policy (NEP) 2020**, which emphasizes **experiential learning, creativity, critical thinking, and student-centred education**. By engaging students in model-based learning, the competition encouraged them to visualize complex biological concepts and apply theoretical knowledge in a practical and innovative manner.

Objectives of the Competition

The competition was organized with the following objectives:

- To enhance students' understanding of plant cell structure and organelles
- To encourage creative and innovative scientific model making
- To promote experiential learning in cell biology
- To celebrate National Science Day by engaging students in scientific activities
- To promote **experiential and skill-based learning as recommended in NEP 2020**

Number of Students Participated - 48

Number of Beneficiaries - 91

The program was inaugurated by IQAC Coordinator, Dr. R. L. Rahatgaonkar, and Principal Dr. R. D. Chandrawanshi were the President of Ceremony. On this occasion Dr. P. M. Khadse, Head Department of Botany delivered a welcome speech and Dr. S. V. Madavi, Organizing secretary of the program delivered introductory remark and conducted the program.

The theme of competition was "Craft The Cell". In this competition total 48 students from undergraduate (UG) participated and demonstrated 26 models. For this competition 44 students were from B.Sc. I and 04 students were from B.Sc. III. The competition was evaluated by Dr. S. M. Nagrale, Professor and Head, Department of Zoology and Dr. P. M. Khadse, Professor and Head, Department of Botany. The participants were evaluated on the basis of Scientific accuracy, Creativity & innovation, Concept explanation and Presentation skills.

Winners of the Competition

After evaluation, the following students were declared winners:

First Prize:

Ms. Tanvi Govinda Gawali and Ms. Arya Tulsidas Jayale (B.Sc. I, G2)

Second Prize:

Alfiya Amin Gourve and Ms. Adiba Tabassum Rafique Shah (B.Sc. I, G5)

Third Prize:

Ms. Prachi Suresh Jambhulkar (B.Sc. I, G1)

Consolation Prizes:

Ms. Kartiki M. Lanjudkar and Ms. Neha S. Korde (B.Sc. III, B7)- 1st consolation prize

Mayuri Devidas Ingole (B.Sc. I, G5) and Swati Prakash Wankhade (B.Sc. I, G1)- 2nd consolation prize.

The winners were awarded with cash prizes and certificates for their efforts and creativity.

Outcome of the Activity

The **Plant Cell Model Competition** was conducted successfully and received positive participation from students. Such activities play an important role in promoting scientific awareness and encouraging students to explore biological concepts beyond textbooks. The competition successfully enhanced students' interest in **cell biology and model-based learning**. Students demonstrated excellent creativity and a clear understanding of plant cell structure. The activity provided a platform for students to apply theoretical knowledge in a practical and innovative manner.

Dr. P. M. Khadse, Head, Department of Botany, Dr. V. N. Badgujar and Dr. A. A. Sangole, members and Dr. S. V. Madavi, organizing secretary took efforts for the organization of this competition. Dr. R. G. Dhokrat, Ms. Shubhangi Kale, Mr. Nilesh Sonone, Mr. Dnyaneshwar Dhore, Ms. Prajakta Khole and all teaching and non-teaching staff members of Department of Botany took efforts for organizing this program.

Date- 28/02/2026

Dr. Shailendra Madavi

Organizing Secretary

Dr. P. M. Khadse

Head, Department of Botany

Dr. R.D. Chandrawanshi

Principal

Glimpses of Plant Cell Model Exhibition and Competition

The Berar General Education Society's
Shri R. L. T. College of Science, Akola
Department of Botany
 On the occasion of
National Science Day
 organizing
Craft the Cell
Plant Cell Model Exhibition & Competition
 On
Saturday, 25th February 2026
Venue- Botany laboratory
Time- 11.00am to 03.00pm

Note-

- Eligibility : UG Students
- Team Size : 1-2 members
- Model Type: 3D static model, Working model, Eco-friendly material encouraged
- **Judging Criteria:** Scientific accuracy
 - Creativity & innovation
 - Concept explanation
 - Presentation skills
- All participants will be awarded with certificate
- Winners will be awarded with cash prize and certificate

1st Prize
Rs. 501

2nd Prize
Rs. 301

3rd Prize
Rs. 201

Organizing Committee

Dr. Rajesh D. Chandrawanshi
Principal

Dr. Shailendra Madavi
Organizing Secretary

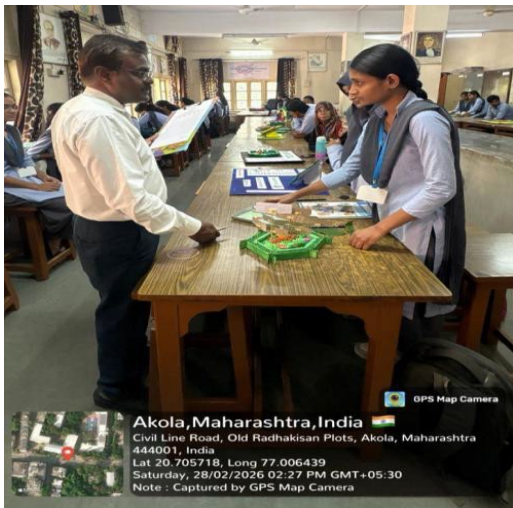
Dr. Anjali Sangle
Member

Dr. Vaishali Badgujar
Member

Dr. Pramod Khadse
Head of Department

All staff members, Department of Botany
Shri R. L. T. College of Science, Akola





The Berar General Education Society's
Shri R. L. T. College of Science, Akola
Environment Cell
In collaboration with
Department of Botany & Nisarga Katta, Akola (NGO)
On the Occasion of
International Forest Day
Organized **Invited-Talk** on
“Forest, Environment and Wildlife” Report

Title of the Activity

Invited Talk on “*Forest, Environment and Wildlife*”

Organizing Unit

Environment Cell, Shri R. L. T. College of Science, Akola

Collaborating Agencies

Department of Botany and Nisarga Katta, Akola (NGO)

Date, Time and Venue

- **Date:** 23rd March 2026
- **Time:** 12:00 Noon
- **Venue:** Auditorium, Shri R. L. T. College of Science, Akola

Objective of the Program

The program was organized with the objective of creating awareness among students regarding forest conservation, biodiversity protection, and sustainable environmental practices. It aimed to provide practical exposure to environmental issues and promote ecological responsibility in alignment with NAAC quality indicators and NEP 2020.

Details of the Program

On the occasion of International Forest Day, the Environment Cell of Shri R. L. T. College of Science, Akola, in collaboration with the Department of Botany and Nisarga Katta (NGO), organized an invited talk on “*Forest, Environment and Wildlife*”. The program was presided over by the Principal, **Dr. R. D. Chandrawanshi**.

The resource person, **Ms. Suvarna Ingole**, Assistant Conservator of Forest, Social Forestry Department, Akola, delivered an informative lecture highlighting the ecological importance of forests, biodiversity conservation, environmental challenges, and the role of social forestry in sustainable development. Her session provided valuable field-based insights to the students.

Additionally, **Shri Amol Sawant**, President of Nisarga Katta (NGO), addressed the participants and elaborated on the role of the forest department and community participation in conservation efforts.

The program began with an introductory address by **Dr. P. M. Khadse**, Coordinator of the

Environment Cell and Head of the Department of Botany, who emphasized the importance of environmental awareness initiatives. On this occasion Dr. R. L. Rahatgaonkar, IQAC Coordinator, Dr. V. N. Badgujar and Dr. A. A. Sangole, Members of Environment Cell were present on the stage.

During the program, **six students were felicitated** for their outstanding project work on forest-related themes, encouraging experiential and project-based learning. Also Dr. Shailendra Madavi was felicitated for recognizing as Ph.D. supervisor by Sant Gadge Baba Amravati University, Amravati.

The session included an interactive question-answer segment, where students actively participated and clarified their queries regarding environmental conservation and career opportunities in forestry.

The program was efficiently coordinated by **Dr. Shailendra V. Madavi**, Organizing Secretary. The proceedings were conducted by **Mr. Nilesh Sonone**, and the vote of thanks was proposed by **Ms. Shubhangi Kale**.

A total of **326 participants**, including students and faculty members, attended the program.

Program Outcomes

The program resulted in the following measurable and qualitative outcomes:

- Students developed a clear understanding of the importance of forests and biodiversity conservation
- Awareness regarding current environmental challenges and sustainable solutions was significantly enhanced
- Students gained exposure to real-world applications of forestry and environmental management
- The activity promoted **experiential and participatory learning**, aligning with NEP 2020
- Encouraged students to undertake **project-based and field-oriented studies** in environmental science
- Strengthened collaboration between the institution, government forestry department, and NGO sector
- Fostered a sense of **environmental responsibility and conservation ethics** among participants

Number of Participants

Total Participants: **326 Conclusion**

The guest lecture organized on the occasion of International Forest Day was successfully conducted and proved to be highly informative and impactful. The program enhanced students' awareness, provided practical insights into environmental issues, and encouraged active participation in conservation activities. It served as an effective platform for bridging academic knowledge with real-world environmental practices.

Glimpses of the Event



Inauguration of Ceremony by offering water to sacred plant (*Ficus*)



Welcome and felicitation of Ms. Suvarna Ingole, ACF, Akola



Welcome and felicitation of Mr. Amol Sawant, President, Nisarga Katta (NGO)



Welcome and felicitation of Dr. Shailendra Madavi for recognition as Ph.D. supervisor



Mr. Amol Sawant highlighted the importance of Forest and role of forest office



Ms. Suvarna Ingole highlighted the importance of Forest



Organizing Secretary
Dr. Shailendra Madavi



Co-ordinator
Prof. Dr. P. M. Khadse
Head, Department of Botany

PG Department of Botany
Inauguration of Botanical society Report
Session 2025-26

PG Department of Botany organised inauguration of Botanical society in collaboration with IQAC. On dated 19/09/2025 in PG Department .

During inauguration of Botanical society ceremony, dignitaries on the dais Honourable Prof. Dr. P.P. Deohate as chairman of the programme IQAC Coordinator Dr. R.L. Rahatgaonkar as a chief guest of the programme . Head Dept. of Botany Dr. P. M. Khadse, and faculties of Department Dr. V. N. Badgujar Dr. A. A. Sangole , Dr. S.V. Madavi , contract basis teachers and CHB teachers were present

During welcome ceremony welcome the Chairman Prof.Dr. P.P. Deohate by offering sapling by the hands of Head of Department Dr.P.M.Khadse, welcome of Dr. P. M. Khadse by the hands of Mr. N. S. Sonone. welcome of Dr.V.N.Badgujar by the hands of Miss. S. M. Kale. welcome of Dr.A.A.Sangole by the hands of Miss. D. A. Khandare and welcome of Dr. S. V. Madavi by the hands of Mr. D. D. Dhore. Dr. P.M. Khadse announces the name of members in Botanical society during the inauguration of Botanical society 2025-26 at the end of programme vote of thanks proposed by Miss. Sayali Ingle and conduction of programme by Miss. Ashwini Kakad and Miss.Gauri Korpe.

The following Botanical Society of Session 2024-25 were formed

President : Miss. Gauri S. Korpe
Vice – President : Miss. Trupti Ghait
Secretary : Miss. Ashwini G. Kakad
Joint Secretary : Najmussaheer Jamil Ahmad
Treasurer : Miss. Sayali B. Ingle
Miss. Pruthvika Badhe
Tour Organiser : Mr. Abhay Shegaonkar
Mr. Mayur Pawar
Miss. Gayatri Dali
Ifra Fatema
Miss. Shweta Surve

Head of Department
Prof. Dr. P.M.Khadse

Principal
Prof. Dr. R.D.Chandrawanshi

Glimpses of the Event

