



DEPARTMENT OF BOTANY

Dinakrushna College, Jaleswar

At/P.O. Dhansimulia, Via Jaleswar, Dist. Balasore, Odisha – 756084

About the Department

The Department of Botany, Dinakrushna College, Jaleswar, has been imparting undergraduate education in Botany since 1972, marking more than five decades of contribution to higher education in plant sciences. Over the years, the department has played an important role in providing students of the region with quality education in Botany and developing their scientific understanding of the plant world.

The department is committed to providing a strong academic foundation in plant sciences through a balanced combination of classroom teaching, laboratory-based practical training, field-oriented learning and academic activities.

At present, the department offers undergraduate education in Botany with an intake of 24 students and is supported by qualified and dedicated teaching faculty. Beyond the prescribed curriculum, the department encourages students to develop an interest in higher education, research and diverse career opportunities related to Botany and allied disciplines.

With its long academic legacy since 1972, the Department of Botany continues to strive for excellence in undergraduate education by fostering knowledge, practical competence, scientific curiosity, environmental responsibility and lifelong learning among its students.

Field	Details
Established	1972
Programme Offered	B.Sc. (Honours) in Botany
Current Intake	24 seats
Current Faculty	3 (1 HOD + 2 Contractual Lecturers)
Affiliating University	Fakir Mohan University, Balasore

Vision

To be a centre of excellence in botanical education by nurturing scientifically competent, ethically responsible, and environmentally conscious graduates through quality teaching, innovation, research, and community engagement, fostering biodiversity conservation and sustainable development for the betterment of society.

Mission

- Provide quality and outcome-based education in Botany by using ICT tools.
- Develop scientific temper, practical skills, and research aptitude.
- Promote biodiversity conservation and environmental sustainability.
- Encourage innovation, lifelong learning, and entrepreneurship.
- Foster ethical values, leadership, and community engagement.
- Prepare students for higher education, careers, and competitive examinations.

Programmes Offered

Programme Offered	No. of Seats
B.Sc. in Botany	24

Faculty

Current Faculty

Name	Designation	Qualification	Contact
Mr. Tapan Kumar Jena	Lecturer & HOD	M.Sc.	+91 8598971235 tapankumarjena081@gmail.com
Mr. Jyotiprakash Behera	Lecturer (Contractual)	M.Sc., M.Phil	+91 9178172119
Mr. Tanmay Shee	Lecturer (Contractual)	M.Sc.	+91 9778523728 tanmayshee22@gmail.com

Former Faculty

Sl.No.	Name	Designation	From	To
1	Jatindra Nath Jena	Demonstrator	07.03.1974	29.02.2008
2	Sri Narendra Kumar Jena	Lecturer	28.11.1978	15.05.1982
3	Mr. Lalatendu Mohanty	Demonstrator	10.07.1984	28.02.2021
4	Sri Manoj Kumar Mishra	Lecturer	01.06.1987	09.09.1996
5	Laxmi Kanta Nayak	Sr. Lecturer	31.10.1991	31.01.2009
6	Dr. R.C. Rout	Principal, Reader & HOD	21.08.2006	31.01.2022
7	Mr. Suresh Chandra Jena	Lecturer	06.10.2016	11.01.2024

Laboratories & Facilities

The Department of Botany, Dinakrushna College, Jaleswar, has well-equipped laboratory facilities designed to support undergraduate teaching, practical training, experimental learning and skill development in plant sciences. The laboratories provide students with opportunities for observation, experimentation and hands-on learning in various areas of Botany.

The laboratory facilities are supported by modern and conventional instruments, microscopes, experimental apparatus, teaching specimens, prepared slides, models and charts. These resources enable students to relate theoretical concepts with practical applications and develop essential laboratory skills.

1. Microscopy Facilities

The department provides adequate microscopy facilities for undergraduate practical classes, microscopic observation, identification and study of botanical materials.

Facility	Quantity
Student Compound Microscope	27
Simple Dissecting Microscope	19
Binocular Compound Microscope	2

These facilities support practical exercises involving plant anatomy, morphology, cytology, taxonomy, embryology and other areas of undergraduate Botany.

2. Experimental & Analytical Facilities

The department has a range of instruments for conducting undergraduate experiments and demonstrations in plant physiology, biochemistry, genetics, molecular biology and allied areas.

Instrument / Equipment	Company / Model	Quantity
Agar Gel Electrophoresis Apparatus	Leybold	1
Electrophoresis Power Supply	Leybold	1
UV-Visible Spectrophotometer	Biolink	1
Visible Spectrophotometer 105	Systronics	1
Photo Electric Colorimeter	—	1
Micro Centrifuge	Remi R-4E, 4000 RPM	1
Digital pH Meter	Systronics	1
pH Meter	Contech PH102/103	1
Electronic Balance	Denver	1
Weighing Machine	Sansui, 2 kg capacity	1
Micropipette (100–1000 μ L)	BR Biochem	1

3. Plant Physiology Experimental Facilities

The department maintains specialized apparatus for demonstrating important physiological processes in plants. These facilities enable students to conduct practical experiments related to water relations, transpiration, gaseous exchange and other physiological phenomena.

Instrument / Apparatus	Quantity
Ganong's Potometer	4
Willmott's Bubbler	6
Farmer's Potometer	1

4. Microbiology & Laboratory Support Facilities

Facilities are available for practical work requiring controlled laboratory conditions, sterilization and basic microbiological techniques.

Facility	Company / Model	Quantity
Laminar Air Flow	Leybold	1
Vertical Autoclave	—	1
Hot Air Oven	Spancotec	1

These facilities support practical training involving aseptic techniques, sterilization and related laboratory procedures.

5. Teaching & Demonstration Resources

In addition to laboratory instruments, the department maintains a collection of teaching and demonstration resources to strengthen practical and visual learning.

Microscopic Slides

Prepared microscopic slides are used for the study and identification of botanical structures and specimens during practical classes.

Preserved Specimens

Preserved botanical specimens are used for demonstration, identification and comparative study as part of undergraduate practical teaching.

Models

Botanical models are used to provide three-dimensional representation of structures and processes that are difficult to visualize through conventional classroom teaching.

Charts

Botanical charts are used as visual teaching aids for illustrating structures, developmental processes, life cycles, classification and other important concepts.

Academic Activities

Following activities are conducted in department

- Students' Seminar
- Hands on Practice
- Field Tour
- Dissertation Work
- Unit / Internal Test
- Extension Activities
- Guest / Invited Lectures

Student Progression & Alumni

Recent batches have progressed into B.Ed., M.Sc., MBA, MCA, nursing and paramedical programmes, and government teacher-eligibility tests.

Student List — 2021–24 Session

Name of Student
Arpita Dasmohapatra
Bidusmita Patra
Biswanath Das
Debasish Kar
Diptimayee Behera
Jayanta Kumar Panda
Noor Saheen
Rahul Kumar Dutta
Rajasree Das
Ramesh Kumar Barik
Rohit Kumar Bramha
Sasmita Murmu

Student List — 2022–25 Session

Name of Student	Name of Student
Akash Hasda	P B Omm Dhyanendra Jena
Aradhana Giri	Priyadarshini Mohanty
Binodini Pradhan	Radhagobinda Rana
Biswajit Das	Rasmita Nayak
Biswajit Das	Rututparna Pal
Chaitanya Bhuyan	Sohagi Hansda
Diptirekha Barik	Swayang Priya Raj
Jitendra Das	Tania Samanta
Narayan Chandra Biswal	

Student List — 2023–26 Session

Name of Student	Name of Student
Bhabashankar Nandy	Santipriya Nath
Biswajit Dasmohapatra	Sukanya Mishra
Brajagopal Jena	Surekha Baskey
Lija Behera	
Lijarani Dutta	
Pabitra Patra	
Pratima Kar	
Prabhas Nayak	
Rajasree Das	
Sandhyarani Kisku	

Students' Achievements

Session 2022–25

- **P B Omm Dhyanendra Jena** — secured highest marks in Science, D.K. College, Jaleswar; Pursuing M.Sc. Botany at F.M. Autonomous College, Balasore
- **Radhagobinda Rana** — pursuing MBA
- **Rasmita Nayak** — Pursuing Master in Business Administration in F.M. Autonomous College, Balasore
- **Tania Samanta** — pursuing MBA, F.M. Autonomous College, Balasore
- **Priyadarshini Mohanty** — pursuing GNM, Institute of Medical Science & Research, Poda Asita, Baripada, Mayurbhanj
- **Rututparna Pal** — pursuing MCA, Balasore College of Engineering & Technology
- **Binodini Pradhan** — pursuing B.Ed. in Acharya Nagarjuna University, A.P.
- **Biswajit Das** — pursuing B.Ed. in Andhra Kesari University, A.P.

Session 2021–24

- **Debasish Kar** — B.Ed. from Acharya Nagarjuna University, A.P. (2024–26); cleared OTET/OSSTET 2026; pursuing M.A. English, Odisha State Open University
- **Rohit Kumar Brahma** — pursuing B.Ed., Andhra Kesari University, A.P. (2026)
- **Bidusmita Patra** — pursuing B.Sc. Nursing, St. John College of Nursing & Paramedical College, Balasore
- **Diptimayee Behera** — pursuing DMLT, Puri Saraswati Nursing College, Balasore
- **Arpita Dasmohapatra** — pursuing B.Ed., Andhra Kesari University, A.P.
- **Rajashree Das** — B.Ed. from Andhra Kesari University, A.P. (2024–26); cleared OTET/OSSTET 2026
- **Noor Saheen** — Completed B.Ed., Andhra Kesari University, A.P. (2024–26)

Syllabus

Click on the link to get Botany syllabus

https://dinakrushnacollege.org.in/cms/documents/AR_425174_Botany.pdf

Question Bank

Click on the following links to get the pdf

Previous Year Questions

Major I

https://www.dinakrushnacollege.org.in/cms/documents/QB_331068_C1%20Maj%20I%20prev%20yr.pdf

Major II

https://www.dinakrushnacollege.org.in/cms/documents/QB_892209_c1%20maj%20II%20prev%20yr.pdf

Text book Questions with previous year Questions

Major I https://www.dinakrushnacollege.org.in/cms/documents/QB_616327_C1%20Maj%20I%20Book%20Q.pdf

Major II

https://www.dinakrushnacollege.org.in/cms/documents/QB_588729_C1%20Botany%20Maj%20II%20Book%20Questions.pdf

Possible Questions of All topics

Major I

[https://www.dinakrushnacollege.org.in/cms/documents/QB_248505_C1Botany-%20Maj-%20I-%20%20Bank%20\(1\).pdf](https://www.dinakrushnacollege.org.in/cms/documents/QB_248505_C1Botany-%20Maj-%20I-%20%20Bank%20(1).pdf)

Major II

https://www.dinakrushnacollege.org.in/cms/documents/QB_910402_C1%20Botany%20Maj-II-bank.pdf

Very Similar Test Questions

Major I

https://www.dinakrushnacollege.org.in/cms/documents/QB_767428_VST%20Sets%201-5%20Botany%20Major%20-%20I.pdf

Major II

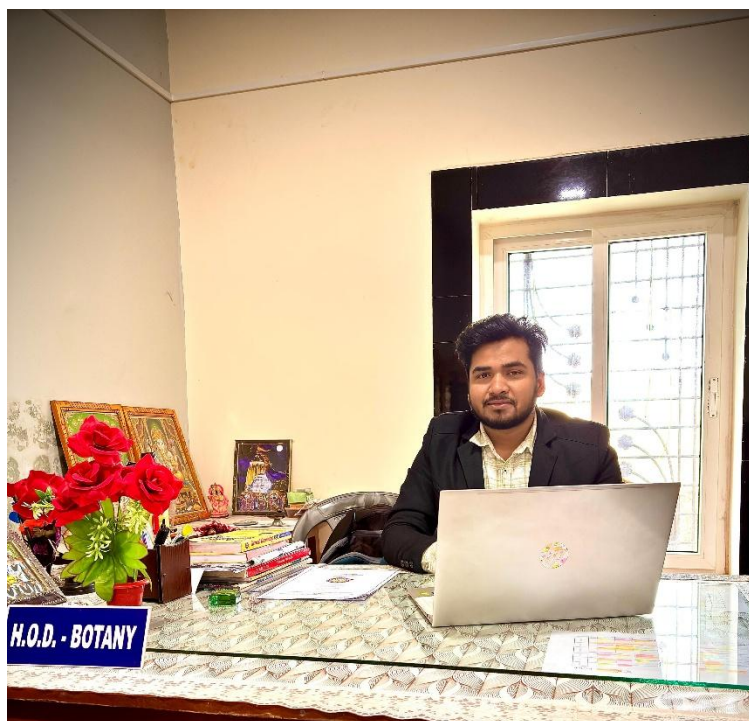
https://www.dinakrushnacollege.org.in/cms/documents/QB_750890_VST%20Sets%201-5%20MajorII.pdf

Photo Gallery

Photo gallery has following sections:

- Department Staff Members
- Laboratory Photos
- Seminar Photos
- Departmental Events
- Field inventory photos
- Community Service Photos
- Alumina Groups

Staff members

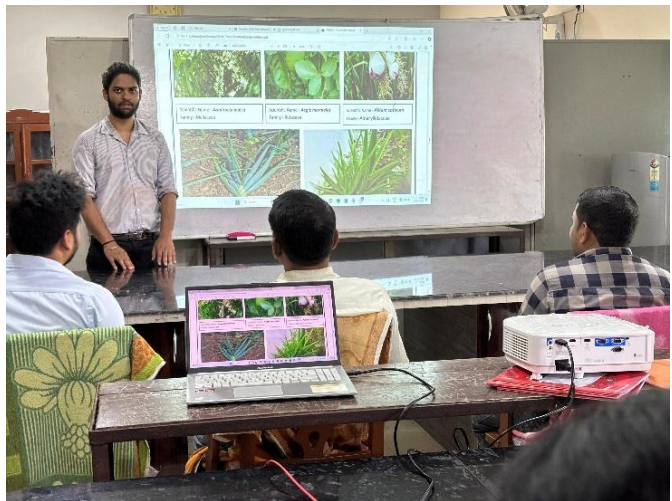


From left to Right – Tanmay Shee, Jyotiprakash Behera & Tapan Kumar Jena (Faculties)

Laboratory Photos



A group photograph of the Botany Department faculty and students. Four faculty members are seated in the front row, and a group of students is standing behind them. The background features portraits of department members and a sign listing the faculty names.



Field inventory photos



Group photos



Contact Details

Department of Botany, Dinakrushna College, Jaleswar At/P.O. Dhansimulia, Via Jaleswar, Dist. Balasore, Odisha – 756084

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