



PROFILE

DEPARTMENT OF BOTANY



NIMAPARA AUTONOMOUS COLLEGE

NIMAPARA, PURI

BRIEF HISTORY OF THE DEPARTMENT:

The Department of Botany, established in 1965, is one of the leading departments of Odisha in the field of teaching and research in plant sciences. For about three decades after its establishment, the Department was recognized for teaching and research in the areas of Environmental Biology, Mycology and Phytoremediation. The Department of Botany is known for its academic excellence, high calibre faculty and greatly enriching co-curricular activities. Most of the faculty members have been involved in research activities. The Department boasts labs that are well equipped with latest instruments. Projections facilities are also available in classrooms to facilitate student learning with visual representation of concepts discussed in class. Apart from these state-of-the-art methods involved in teaching, the Department also maintains an enormous collection of herbarium specimens. These collections facilitate in practical learning of the subject and in forming a connection with the specimens of nature they study. The Department also regularly organizes field trips, study tours and botanical excursions that help in bringing about holistic development of students. Many alumni of this department are pursuing their careers in higher education from institutions of prestigious repute in India. Some of our alumni are currently placed in many governmental organizations/ institutions.

VISION AND MISSION STATEMENT:

- Our vision is to conduct innovative research, teaching and outreach on the patterns and processes of life with a focus on plants and their environments.
- Preparation of students for various academic and competitive exams.
- Our mission is to foster an environment of excellence by attracting and supporting the outstanding students, faculty and staff needed to sustain our vision.
- We focus on the patterns and processes that enable predictive understanding of plants and their environments at local, regional, and global scales, leading to strengths in the areas of ecology, evolution and systematics.
- To centralize the applications of Botany in curriculum and courses related.

ANALYSIS OF THE DEPARTMENT:

STRENGTHS

- Qualified and Experienced staff (2 Ph.D. and 1 U.G.C, CSIR NET qualified).
- Computer with internet facility to staff and students.
- Well-equipped lab for U.G.
- Staff is engaged actively in research.
- Result of Department is 98%.
- Bridge course and remedial courses.

WEAKNESS

- Lab facilities in laboratory are inadequate as compared to strength.
- Computer facilities should be enhanced.

OPPORTUNITIES

- Visit nearby institutions and localities of botanical interest.
- Maintenance of fresh water pond ecosystem and herbal garden.

FUTURE PLAN

- Development of medicinal plant garden.
- Guidance regarding organic farming.
- Socio economical useful project work for degree students.
- Academic improvement by internal evaluation by MCQ tests, home assignments, tutorials etc..
- Continuously engaged faculty in research work and updating knowledge by attending and organizing seminars and conferences.
- To develop research laboratory.
- To submit of Minor and major research project proposals.
- Organisations of seminars, workshops, on Global Warming, Pollution and other subjects of Botanical interest.

INCUMBENCY LIST OF HODS :

Sl. No.	Name	Qualification
01	Dr. Chitta Ranjan Mohanty	M.Sc., Ph.D.
02	Subhada Pattnaik	M.Sc.
03	Haraprasad Mohapatra	M.Sc.
04	Dr. Sauriprasad Mishra	M.Sc., Ph.D.
05	Lingaraj Satapathy	M.Sc.
06	Dr. Subhasini Nanda	M.Sc., Ph.D.
07	Dr. Patel Ballav Bhai Acharya	M.Sc., Ph.D.
08	Dr. Subhasini Nanda	M.Sc., Ph.D.
09	Ashes Kabi	M.Sc.
10	Dr. Minati Mohapatro	M.Sc., M. Phil, Ph.D.
11	Dr. Rabindra Nath Padhi	M.Sc., M. Phil., Ph.D., PGDST

TEACHING STAFF:

Sl. No	Name	Designation	Qualification	Specialization	DOJ in the department
01	Dr. R.N Padhi	Sr. Lecturer	M.Sc., M.Phil., Ph.D., PGDST	Eco-Physiology and Microbiology	02.01.2015
02	Dr. D.K Patra	Lecturer	M.Sc., Ph.D.	Biochemistry and Molecular Biology	24.06.2017
03	K. Das	Lecturer	M.Sc.	Biochemistry and Molecular Biology	17.10.2017
04	S.S Nayak	Lecturer (Guest Faculty)	M.Sc.	Biochemistry and Molecular Biology	01.10.2023
05	J. Mishra	Lecturer (Guest Faculty)	M.Sc.	Biochemistry and Molecular Biology	08.02.2024
06	S. Samantaray	Demonstrator	B.Sc.		07.08.1992
07	P. Paramita	Demonstrator	B.Sc.		02.11.2016

FACULTY PROFILE:

Dr. R. N. Padhi passed M. Sc. In Botany with specialization in Eco-Physiology and Microbiology. He completed M. Phil (1995) and Ph. D. (2005) in Botany from Berhampur University, Berhampur. He has published several research papers in leading journals of national repute. He has teaching experience of more than 27 years to his credit. He got award Best teacher from Chief Minister of Odisha on 5th Sept., 2013. Presently, He is H.O.D in Department of Botany at Nimapara Autonomous College, Nimapara.

Dr. D. K. Patra completed M. Sc. And Ph. D. from Utkal University, Bhubaneswar. He has presented several topics in National and International seminar organized by different leading institute of Odisha. He has published three research paper in reputed International journal (Chemosphere and International journal of phytoremediation) and one paper in National Journal. He has written two books on Biology (XI & XII) in Laxmi Publications.

Miss K. Das earned Master degree in Life Science Botany in 2014 National Institute of Technology (NIT), Rourkela. She has qualified UGC-CSIR JRF NET in 2019 (All India Rank-40), ICAR NET in 2018 and GATE in 2016.

Miss S.S Nayak completed M.Sc. in Botany in 2021, Utkal University, Bhubaneswar. She has qualified CSIR NET in December 2023 (All India Rank- 106).

Miss J. Mishra completed M.Sc. in Botany in 2022, from Udaynath Autonomous College Science and Technology, Adaspur.

NON -TEACHING STAFF:

Sl. No.	Name	Qualification	Designation	DOJ in the Department
01	Kalandi Barik	Under- matric	Lab. Attendant	

REFRESHER COURSE ATTENDED BY THE MEMBERS OF THE DEPARTMENT:

Name	Orientation Programme	1st Refresher Course	2nd Refresher Course	3rd Refresher Course	4th Refresher Course
Dr. R.N Padhi	BHU, Varanasi (1998)	Utkal University, Bhubaneswar (2007)	Sambalpur University, Sambalpur (2010)	Utkal University, Bhubaneswar (2013)	
Dr. D.K Patra	Utkal University, Bhubaneswar (2018)				
Miss K. Das	Utkal University, Bhubaneswar (2019)				
Miss S.S Nayak					
Miss J. Mishra					

FACILITIES AVAILABLE:

- 1) Seminar Hall : 01
- 2) Seminar Library : 01
- 3) No. of text books : 190
- 4) Laboratory with instruments

LABORATORY INSTRUMENTS:

Sl. No.	Name of the Instruments	No. of instruments
01	Oven	01
02	Centrifuge	01
03	Water Bath	01
04	pH Meter	02
05	Weighing Machine	01
06	Bacterial Colony Count	01
07	Compound Microscope	06

EMINENT PERSONALITIES VISITED THE DEPARTMENT:

Sl. No.	Name of the person with designation and address	Date of visit	Purpose
01	Prof. (Dr.) B.B Mishra Department of Microbiology, OUAT, Bhubaneswar	14.02.2014	To deliver seminar talk
02	Dr. Debiprasad Samantaray Lect. in Microbiology, OUAT, Bhubaneswar	14.02.2014	To deliver seminar talk
03	Dr. Debasish Dash Asst. Professor, College of Basic Science, OUAT, Bhubaneswar	14.02.2014	To deliver seminar talk
04	Prof. (Dr.) S. Padhi P.G. Department of Botany Berhampur University, Berhampur	27.03.2015	To deliver seminar talk
05	Dr. P.B Acharya Retd. Reader Nimapara Auto. College, Nimapara	24.10.2017	To deliver seminar talk
06	Dr. A.K Rath Lecturer in Botany Nayagarh Auto. College, Nayagarh	21.03.2018	To deliver seminar talk
07	Dr. P.B Acharya Retd. Reader Nimapara Auto. College, Nimapara	13.02.2019	To deliver seminar talk
08	Dr. Subhasis Bal Consultant Scientist, 5G Farming	11.09.2023	To deliver interactive session on 5G Farming

**STUDENT'S PROGRESSION TO HIGHER EDUCATION AS PER RECORD
AVAILABLE:**

Sl. No.	Name of students	Year of passing	Present status	Institute	Contact
01	Suprava Nayak	2020	M.Sc.	Berhampur University, Berhampur	
02	Sraddha Priyadarshini	2021	M.Sc.	Berhampur University, Berhampur	
03	Pratyush Bastia	2021	M.Sc.	Berhampur University, Berhampur	
04	Priyanshu Harichandan	2022	M.Sc.	Udaynath Auto. College Sc. And Tech., Adaspur	
05	Rituparna Behera	2022	M.Sc.	Udaynath Auto. College Sc & Tech., Adaspur	
06	Subham Moharana	2022	M.Sc.	Dhenkanal Auto. College, Dhenkanal	
07	Tillotama Pradhan	2022	M.Sc.	SCS Auto. College, Puri	
08	Rubina Parida	2023	M.Sc.	Rajdhani Auto. College	
09	Sonali Mirkap	2023	M.Sc.	Utkal University, Bhubaneswar	
10	Sushree Sanjibani Rout	2023	M.Sc.	Utkal University, Bhubaneswar	
11	Abinash Das	2023	M.Sc.	Kendrapara Auto. College, Kendrapara	

LIST OF OUTSTANDING ALUMNI:

Sl. No.	Name	Present status	Year of Passing	Contact
01	Jyotiranjana Mishra	OAS	1989	9438324305
02	Dr. R.N Padhi	Reader	1988	9437185862
03	Durga Prasad Rath	Territorial Manager, Nivea Group of Company	1999	6203610427
04	Rajalaxmi Mohaptra	Lecturer	1990	9583731030
05	Mrunalakanti Biswal	Lecturer	1995	9861927626
06	Manasuinee Nayak	Lecturer	2000	9861156669
07	Dr. Subhasis Bal	Scientist 5G farming	1995	7735007670
08	Nibedita Nayak	Lecturer	2005	9937594441

PHOTO GALLERY:



Family of Botany Department



Batch 2020-2023, Department of Botany





Seminar Talk by Resource Person **Dr. Rabindra Kumar Mishra**



Field Visit to NRRI, Cuttack



Seminar Talk by the Students of Department of Botany



Poster Presentation by Students of Department of Botany



Interactive Session on **5G Farming** by Consultant Scientist **Dr. Subhasis Bal, 5G Farming**



Field Visit to Centurion University, Bhubaneswar



During Field Visit to Centurion University, Bhubaneswar



During Field Visit to **Centurion University, Bhubaneswar**



Interaction between Students and Scientist of 5G Farming, **Dr. Subhasisa Bai**



Field Visit to Mahatma Gandhi Medicinal Forest, Dhenkanal



During Field Visit to Mahatma Gandhi Medicinal Forest, Dhenkanal