



WELCOME TO
DEPARTMENT OF BOTANY
BANKI AUTONOMOUS COLLEGE



INTRODUCTION

- Year of Establishment:
- Board of Classification of Stream: **Biological Science**
- Programmes offered: **Under Graduate (UG) B.Sc. Botany**
- **Post graduate (PG) M.Sc. Botany**
- (Affiliated to Utkal University, Bhubneswar, Odisha)
- State Model Syllabus for UG Course in Zoology: **Choice Based Credit System (CBCS)**
- Duration of the Course: **3 Years (UG) and 2 Years (PG)**
- Interdisciplinary courses Department involved:

Objectives

1. To provide an efficient education to the students.
2. To enhance the research attitude. among the student
3. To self-stand the students by skill-oriented courses.
4. To increase an awareness about clean environmental atmosphere.
5. To emphasizes the practical or experimental work for better results.

Mission

1. The department organises Guest Lectures. to improve the extra knowledge of students.
2. The department organises Botanical excursions to know the flora of different areas.
3. The department adopting and gives the support to those students who are belongs to economically poor.
4. The department implements the skill enhanced Courses and short-term Add on Courses to the research attitude among the students.
5. Department also conducting internal Assessment examinations, seminars, group discussions, etc. to improve their additional and academic knowledge.

Student Sanction Strength:

2018-2021: 36

2022-2023: 36

2023-2024: 36

No. of Students enrolled:

2018-2021: 32

2022-2023 :35

2023-2024: 32

Teacher- Student Ratio: 22/1

Members of Botany Department

Name	Designation	Qualification and Specification	Experience (In years)	Photo
Sri Manoranjan Sahoo	H.O.D	M.Sc	37	
Mrs. Sanghamitra Mallick	Lecturer	M.Sc, M.Phil	08	
Sri Muktipada Panda	Lecturer	M.Sc, M.Phil	06	
Mrs. Debasmita Panda	Lecturer	M.Sc	06	
Sri Purusottam Tarasia	Demonstrator	M.Sc	24	
Miss Punyataya Panda	Demonstrator	M.Sc	06	
Sri Golakha Bihari Panda (Retd.)	Demonstrator	M.Sc	50	
Dr. Amarendra Mishra (Retd.)	Guest Faculty (PG)	M.Sc, Ph.D, LLB	10 months	
Dr. Aryendu	Guest Faculty (PG)	M.Sc, Ph.D	10 months	

Faculty Research Details

Name	Research ID	No. of Research Publications/ Books/ Patent	No. of Refresher/FDP No. of Seminar/ Conferences/ Workshops attended	Research Experiences	Awards/ Recognitions
Sri Manoranjan Sahoo	-	-	-	-	-
Mrs. Sanghamitra Mallick	-	-	-	-	-
Sri Muktipada Panda	Web of Science ID: KYP-5925-2024 ORCID ID:https://orcid.org/0000-0001-8311-5679 Google Scholar:	Web of Science/Scopus: 05 UGC CARE/Others: 05 Books: Book Chapters: 03 Patent filed: Citation: 110 H-Index:5 i10 index:5	Presented in Seminar: 02 Attended: 03 Refresher:01 FDP: 01	03 years	
Mrs. Debasmita Panda	-	-	-	-	-
Sri Purusottam Tarasia	-	-	-	-	-
Miss Punyataya Panda	-	-	-	-	-

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Sri Golakha Bihari Panda	-	-	-	-	-
Dr. Amarendra Mishra	-	-	-	-	-
Dr. Aryendu	Web of Science ID: AEV-8339-2022 ORCID ID: 0000-0002-5570-0499 Google Scholar: nGop2tsAAAAJ	Web of Science/Scopus: 03 UGC CARE/Others: 02 Books: - Book Chapters: - Patent filed: - Citation: 14 H-Index: 2 i10 index: -	Presented in Seminar: - Attended: 01 Refresher: - FDP: -	-	-

Student Profile

Academic Session	Sanctioned Strength	Student Enrolled
2021-2024	36	27
2020-2023	36	34
2019-2022	36	30
2018-2021	36	29
2017-2020	36	32
2016-2019	36	31

Diversity of Students

% of students from the College: 15-20%

% of students from the State: 100%

% of students from other State/Countries: NIL

Teaching
Methods
Adopted

The diagram consists of an orange arrow pointing from a box on the left to a purple rounded rectangle on the right. The box on the left contains the text 'Teaching Methods Adopted'. The purple rounded rectangle contains a bulleted list of four teaching methods.

- Student Centric interactive teaching learning
- Blended Mode of teaching Methods
- Student Seminars/Quizzes
- Experiential Learning (Educational Tour/Field Visit)

Result Analysis of Last Five Years

Year	No. of Students Appeared	No. of Students Passed	Pass Percentage (%)
2021-2024	27	17	62.96
2020-2023	34	34	100
2019-2022	30	30	100
2018-2021	29	28	96.55
2017-2020	32	27	84.30
2016-2019	31	29	93.60

Best Performer of Last Five Years

Year	Name	Hons Mark (%)
2021-2024	Mimansa Jena	8.86 (CGPA)
2020-2023	Soumyaranjan Satapathy	9.24 (CGPA)
2019-2022	Talina S. Mohanty	2185 (Aggregate)
2018-2021	Monalisa Samal	1104
2017-2020	Gyanaranjan Das	1101
2016-2019	Sujata Behera, Swatisilka Mohapatra	1067

Student Enrichment Programmes

	Seminars/Webinars/Invited Lectures	No.
2021-2024		
2020-2023		
2019-2022		
2018-2021		

1(a) Botany

Program name	Data type	Number and % of students securing marks in the categories				
		>75%	≤75%-60%	<60%-45%	<45%-≥Pass %	Total
UG-BOTANY	No.34	22	8	3	1	34
	%	64.71	23.52	8.82	2.94	100
	Score	64.7	17.64	4.41	0.74	87.49

1(b)Seminar Delivered

Name of the program	Number of seminars delivered by each student in the final year	Number of seminars delivered by each student per semester
BOTANY	0	0

1c PROJECT WORK/FIELD STUDY

Name of the program	Department	Project work, etc. assigned	Project work, etc. completed [%]
UG BOTANY	BOTANY	31	100

1d PROGRESSION TO HIGHER STUDY

Name of the program	Department	UG to PG [%]	PG to Ph.D. [%]
	BOTANY	>10	NIL

1e DROP OUT

S. No.	Name of the program	Number of students enrolled	Number of students who have left the program	Dropouts [%]
	1 Botany			

1f PTR

Serial Number	Department	Regular teachers	Ad-hoc/Part time teachers	Guest teachers	Total teachers [a]	Total students [b]	PTR [b/a]
	1 Botany						

1g ACHIEVEMENTS

S. No.	Department	Activity	First prize	Second prize	Third prize	Participation
	1 Botany					

1h RESEARCH FELLOWSHIP/SCHOLARSHIP

S. No.	Department	RA/PDF	NET/GATE	Scholarship [State/University level]	Research Assistant
	1 Botany				8

1i NO. OF UP SKILLING /RESKILLING COURSES OFFERED

S. No.	Department	Name of the skilling course	Date introduced [dd/mm/yy]
1	Botany		

2a TEACHING BY FACULTY

Sl No	Subject	Name of the faculty	Number of periods assigned per week in the time table (a)	Name of periods actually engaged per week (b)	Ratio (b/a)
1	Botany	1. Sri Manoranjan Sahoo	32	30	0.94
2	Botany	2. Debasmita Panda	32	31	0.97
3	Botany	3. Mrs. Sanghamitra Mallick	34	32	0.94
4	Botany	4. Sri Muktipada Panda	34	31	0.91
7	Botany	6. Sri Purusottam Tarasia	18	16	0.89
8	Botany	7. Miss Punyatoya Mohapatra	18	16	0.89
9	Botany	8. Golakh Bihari Panda	18	16	0.89

2b RESEARCH GUIDANCE/SUPERVISION

S. No.	Subject	Name of the Faculties	Numbers guided						Total Guided
			DLitt	DSc	PhD	MPhil	PG	UG	
	Botany	1. Sri Manoranjan Sahoo							
	Botany	2. Mrs. Debasmita Panda							
	Botany	3.Sri Muktipada Panda							
	Botany	4. Mrs. Sanghamitra Mallick							
	Botany	5. Dr. Jakesh Mohapatra							
	Botany	1. Sri Purusottam Tarasia							
	Botany	2. Miss Punyatoya Mohapatra							

2c_RESEARCH PROJECT PER INDIVIDUAL TEACHER

S. No.	Subject	Name of the Faculties	Project details					
			Title of the project	Funding agency	Tenure: From - To	Amount sanctioned	Major/Minor	Ongoing/ Completed
1	Botany	1. Sri Manoranjan Sahoo						
2	Botany	2. Mrs. Debasmita Panda						
3	Botany	3.Sri Muktipada Panda						
4	Botany	4. Mrs. Sanghamitra Mallick						
5	Botany	5. Dr. Jakesh Mohapatra						
6	Botany	6. Sri Purusottam Tarasia						
7	Botany	7. Miss Punyatoya Mohapatra						

2d PUBLICATIONS PER INDIVIDUAL TEACHER

S. No.	Department	Type of publication	Name of the author/s	Year of publication	Title of paper	Name of journal	Volume and Page numbers	ISSN/e-ISSN, if any
1	Botany							
		WoS/Scopus listed journals	Panda, M., Lele, N., et al.	2023	Assessment of mangrove stand biomass in relation to forest structural attributes in Bhitarkanika National Park, India	VEGETOS	0970-4078	ISSN 0970-2555
		WoS/Scopus listed journals	Dhyani S, Shukla J, Kadaverugu R, Dasgupta R, Panda M et al.	2022	Participatory Stakeholder Assessment for Drivers of Mangrove Loss to Prioritize Evidence-Based Conservation and Restoration in Bhitarkanika and Mahanadi Delta, India.	SUSTAINABILITY	2071-1050	
3		Book chapter	Dhyani S, Panda M et al.	2022	Understanding Potential Drivers of Mangrove Loss in Bhitarkanika and Mahanadi Delta, India, to Enhance Effective Restoration and Conservation Efforts	Assessing, Mapping and Modelling of Mangrove Ecosystem Services in the Asia-Pacific Region, Science for Sustainable Societies	99–123	ISSN 2197-7348; ISBN 978-981-19-2737-9
4		Book chapter (CRC Press)	Dalai D, Panda M.	2023	History, Diversity, and Community Dynamics of Arbuscular Mycorrhizal Fungi in the Rice Ecosystem	Arbuscular Mycorrhizal Fungi For Nutrient, Abiotic and Biotic Stress Management in Rice	01-Sep	ISBN 9781032406411
		WoS/Scopus listed journals	Mathew JR, Singh CP, Solanki H, Mohapatra J et al.	2023	Improvement in the delineation of the alpine treeline in Uttarakhand using spaceborne light detection and ranging data	Journal of Applied Remote Sensing	17(2)	
		Book chapter (Springer)	Mohapatra J, Singh CP et al.	2023	Mapping the spatial Patterns of Biodiversity Along the Alpine Treeline Ecotone in the Eastern Himalaya Using Information Theory	Ecology of Himalayan Treeline Ecotone	169-	
		Book chapter (Springer)	Mathew JR, Singh CP, Mohapatra J et al.	2023	Quantifying Variation in Canopy Height from LIDAR Data as a Function of Altitude Along Alpine Treeline Ecotone in Indian Himalaya	Ecology of Himalayan Treeline Ecotone		
		Book chapter	Chakraborty K, Mohapatra J et al.	2022	Understanding the land use/land cover dynamics in a shifting cultivation dominated region using geospatial technique			

2e PATENT/PRODUCT/COPY RIGHT/POLICY DOCUMENT

Name of the faculty	Patent/Product/Copyright/Policy document code	International/ National	Date submitted	Date registered/approved
1. Sri Manoranjan Sahoo				
2. Mrs. Debasmita Panda				
3. Sri Muktipada Panda				
4. Mrs. Sanghamitra Mallick				
5. Dr. Jakesh Mohapatra				
6. Sri Purusottam Tarasia				
7. Miss Punyatoya Mohapatra				

2f SEMINAR/SYMPOSIUM etc. ATTENDED PER INDIVISUAL TEACHER

S. No.	Department	Name of the faculty	Name of the Seminar/ Symposium, etc.	Date:	International/ National	Paper presented/ Attended
				From - To		
1	Botany					

2g SERVED AS RESOURCE PERSON, etc. PER INDIVISUAL TEACHER

S. No.	Department	Name of the faculty	Name of the Seminar/ Symposium, etc.	Date:	International/ National	Type of contributions
				From - To		
	1 Botany					

2h MEMBERSHIP IN EDITORIAL BOARD OF RESOURCE JOURNALS

S. No.	Department	Name of the faculty	Status (Editor/Associate Editor/Member)	Name of the Research journal	ISSN/e-ISSN
1	Botany				

2i EXECUTIVE POSITION IN PROFESSIONAL BODIES

S. No.	Department	Name of the faculty	Name of the professional body	Type of position	Tenure:
					From – To
	1 Botany				

2k TRAINING PROGRAMME

S. No.	Department	Name of the faculty	FDP/FIP/RC /OP	International/ National	Name of the organizer of the FDP/FIP	Tenure:
						From – To
1	Botany					

2j MEMBERSHIP IN PROFESSIONAL BODIES

S. No.	Department	Name of the faculty	Name of the professional body	International/ National	Life member/ Annual/ Sessional member	Tenure:
						From – To
1	Botany					

21 AWARDS/HONOURS

S. No.	Department	Name of the faculty	Name of the Fellowship/Award	Name of the National/State Academy	Name of the Government (Central/State)	Year of the Award
	1 Botany					

2m ADMINISTRATIVE POSITIONS

S. No.	Department	Name of the faculty	Administrative position (mention tenure in the cell)			
			Dean/Director	Chairman, BoS/	Proctor Superintendent of Hostel	Mention others, if any
				HoD/Coordinator		
1	Botany					

2n CONTRIBUTION TO UNIVERSITY/COLLEGE EXAMINATION

S. No.	Department	Name of the faculty	Contribution to University/College			
			Superintendent/ Assistant Superintendent	Paper setter/ Evaluator	Invigilation/ Flying squad member	Mention others, if any
1	Botany					

Welcome and Farewell Ceremony



Departmental Seminar



Thank You.