

Department of BOTANY

1. Name of the Department & its year of establishment - **BOTANY, 1986**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) - **UG**
3. Interdisciplinary courses and departments involved – **ENVIRONMENTAL SCIENCE, GENNERIC ELECTIVE IN BOTANY.**
4. Annual/ semester/choice based credit system - **CBCS**
5. Participation of the department in the courses offered by other departments – YES
6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors		
Associate Professors	00	NIL
Asst. Professors	05	04

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No.of Ph.D. students guided for the last 4 years
Dr. M.Mohapatro	M.Sc, M.Phil, Ph.D, FICER	Lect	Environmental study	31	
Dr.R.N.Padhi	M.Sc, M.Phil, Ph.D, PGDST	Lect.	Eco-Physiology & Micro-Biology	26	
Sri D.K Patra	M.Sc, Ph.D cont.	Lect.	Bio-chemistry & Molecular Biology	2	
Miss. Kalpana Das	M.Sc,	Lect.	Life Science	2	

8. Percentage of classes taken by temporary faculty – programme-wise information -**NA**
9. Programme-wise Student Teacher Ratio – **65 : 01**
10. Number of academic support staff (technical) and administrative staff: sanctioned and filled - **00**
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. - **NIL**
12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received - **NIL**

13. Research facility / centre with - **NO**

- state recognition
- national recognition
- international recognition

14. Publications: - **YES**

* Number of papers published in peer reviewed journals (national / international) – 04

- * Monographs -Nil
- * Chapter(s) in Books - 02
- * Editing Books -Nil
- * Books with ISBN numbers with details of publishers -02
- * number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- * Citation Index – range / average - 4.62 (Chemosphere)
- * SNIP – 1.448 (Chemosphere)
- * SJR – 1.435 (Chemosphere)
- * Impact factor – range / average – 4.427 (Chemosphere), 1.886 (International Journal of Phytoremediation)
- * h-index

15. Details of patents and income generated - **NO**

16. Areas of consultancy and income generated - **NO**

17. Faculty recharging strategies – Refresher/Orientation

Refresher Course attended by the Members of the Department.

Name	1 ST R.C	2 nd R.C	3 rd R.C	4 th R.C
Dr.M.Mohapatro	Berhampur University 1995	Berhampur University 2004	Sambalpur University 2012	Sambalpur University 2013
Dr.R.N.Padhi	Utkal University 2007	Sambalpur University 2010	Utkal University 2013	
Sri D.K Patra				
Miss K. Das				

Orientation Programme attended by the members of the Department :-

Name	1 ST O.P.	2 nd O.P.	3 rd O.P.	4 th O.P.
Dr.M.Mohapatro	JNU, New Delhi 1996			
Dr.R.N.Padhi	Banaras Hindu University 1998			-
Sri D.K Patra	Utkal University 2018			
Miss K. Das				

18. Student projects

- percentage of students who have done in-house projects including inter-departmental

All final Degree students are bound for in house project under guidance of faculty members.

- percentage of students doing projects in collaboration with industries / institutes –

19. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoralfellows **-01**
- Students -

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. - No

21. Student profile course-wise:

Name of theCourse (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2012-13	225	07	08	90%	90%
2013-14	382	08	08	88%	90%
2014-15	656	02	18	Cont..	Cont..
2015-16	701	18	11	Cont..	Cont..
2016-17	1050	14	12	Cont..	Cont..
2017-18	725	09	26		
2018-19	745	11	22		

22. Diversity of Students

Name of the Course (refer question no. 2)	% of Students from the college	% of students from the state	% of students from other States	% of students from other countries
U.G	60%	100%	Nil	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

GATE – 5 nos

NET-02,IIT(JAM)-02

24. Student progression

Student progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	5%
• Other than campus recruitment	35%
Entrepreneurs	10%

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	NIL
From other universities within the state	66%
From other universities from other states	33%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. – One (Thesis Submitted)

27. Present details about infrastructural facilities

a. Library – Library seminar lib.- No of books – **300**

Gen library or common ref: - **350**

b. Internet facilities for staff and students -**Yes**

c. Total number of class rooms - **3**

d. Class rooms with ICT facility -**1(Common)**

e. Students' laboratories - **02**

f. Research laboratories - **Nil**

28. Number of students of the department getting financial assistance from College. – **PBF 10%**

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. - **NA**

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. The Department obtained feedback from faculty on curriculum during board of studies meeting and incorporates the necessary changes in curriculum.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Students feedback is obtained from drop box duly acknowledged

c. Alumni and employers on the programmes and what is the response of the department to the same?

Weightage given on alumni & employers feedback on curriculum designing & teaching learning process.

31. List the distinguished alumni of the department (maximum 10)

1. Dr.Rabindra Nath Padhi, Lect.in Botany, Nimapara college
2. Nihar Ranjan Biswal, Lect. in Botany
3. Mrulalakanti Biswal, Lect.in Botany, Balighai college, Balighai
4. Priyabrat Mohanty, Lect. in Botany
5. Nibedita Nayak, Lect.in Botany, Mangala Mahavidyalaya, Kakatpur
6. Tusar Bal, scientist& Rice Plant Freeder
7. Sangeeta Samantaray, Demo. In Botany
8. Banani Mohapatra, Demo. In Botany
9. DebiduttaSamantaray, MSc(Utkal)- NET Qualified in 2019
10. Rajalaxmi Mohapatra, Lect. in Botany, BalangaCollege,Balanga

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Extra classes are organized for slow learners.

Seminar and project work is taken for 6th sem students.

33. List the teaching methods adopted by the faculty for different programmes.

- a. **Traditional Classroom teaching**
- b. **L.C.D Projector teaching.**
- c. **Practical Demonstration/Teaching.**
- d. **Chart**

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Departmental meeting is organized once a month to review the programme objectives and learning outcome.

Lesson plan and progress is review in each month end by H.O.D of department.

The time to time academic progress is review by principal in H.O.D's meeting.

Every end semester exam results are analyzed vividly.

Doubt classes are arranged for slow learners.

35. Highlight the participation of students and faculty in extension activities.

Students of the Department join Youth Red Cross, NCC and NSS units of the college as Volunteers and participate in the extension activities like organizing Blood Donation Camp, Adults literacy camps and Environment awareness camp . Student also undertake field study tour to gather firsthand knowledge on the local flora and ecological aspects every year..

36. Give details of "beyond syllabus scholarly activities" of the department.

- In House Seminar, U.G.C sponsored seminar through external resource person.
- Motivating students for research work & guiding them for different entrance test.
- Organizing Quiz, Essay, Debate competition on various topics of science and Zoology in particular
- Active participation by the students in various academic & Co-curricular activities such as publication of wall magazine, celebration of Teachers day, welcome cum orientation programme& farewell ceremony, departmental picnic, Excursion and study tour & arrangement of talks by invited faculties, Observation of Saraswati&ganesh puja, Christmass, ID etc.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details. **-NO**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength :

- **Highly qualified and experienced teaching faculty and technical staffs.**
- **Highly disciplined and talented students**
- **Good relation between staff and student.**

Weakness :

- **Restricted autonomy in developing need base curriculum.**
- **Frequent transfer of faculty by the Govt.**
- **Students from rural background with low socio-economy and educational status.**
- **Restricted funds.**

Opportunity :

- **Seminar library**
- **Reading room facility**
- **Internet facility**
- **Supply of handout.**
- **PPT presentation of seminars by the students through LCD projector.**

Challenges :

- **To enhance the interest of students in higher study.**
- **To ensure the facility of research work.**
- **To make smart class room for the department Botany**
- **To make multi user internet facility and to enhance strength of study room as well as seminar library.**

39. Future plans of the department. – **To undertake PG course and self-finance course.**

