



## Department of Zoology

### 1. Year of Establishment:

UG-1995 PG-2010

### 2. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):

Under Graduate - Bachelor of Science

Post Graduate - Master of Science

### 3. Names of Interdisciplinary courses and the departments/units involved:

Nil

### 4. Annual/semester/choice based credit system (programme wise):

UG-Annual

PG-Semester

### 5. Participation of the department in the courses offered by the other departments:

Nil

### 6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

### 7. Details of courses/programmes discontinued (if any) with reasons:

Nil

### 8. Number of Teaching posts

	Sanctioned	Filled
Professor	-	-
Associate Professor	-	-
Assistant Professor	02	01

### 9. 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. Richa Tikariha	M.Sc., Ph.D.	Asst. Professor	Inchthyology	03 (Three year)	Nil

#### 10. List of senior visiting faculty:

S.N.	Name	Topic	Date
1.	Dr. Maya Shedpure Professor & Head Dept. of Zoology Govt. D.B. Girls P.G. College Raipur	1. "Aquaculture" 2. Gonadial differentiation in vertebrates	22-04-2014
1.	Dr. Weronika Rupek Asst. Professor Dept. of embryology and histology University of Silesia, Poland	The Thyroid Gland	26-09-2014
2.	Dr. Renu Maheshwari - Professor, Dept. of Zoology , Govt. NPG College of Science, Raipur (C.G.)	"Yoga and Personality development".	26-09-2014
3.	Dr. Avinash R. Nichat Fishery Inspector, Department of Fishery, Jashpur, Chhattisgarh	1. "Xenobiotics" 2. "Induced breeding" in Fishes	08-02-2015

#### 11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

S. No.	Session / Year	Program	Total Lectures	Lecture taken by Regular Faculty	Lecture taken by Temporary Faculty	Percentage of Lecture delivered by Temporary Faculty
1	2011-12	UG	792	0	0	0
2	2012-13	UG	824	284	540	65.53
3	2013-14	UG	804	712	0	0
4	2014-15	UG	1200	1200	0	0
5	2015-16	UG	1181	915	266	22.52
		PG	860	637	223	25.93
		Total	2041	1552	489	23.96

#### 12. Student-Teacher Ratio (Programme wise):

B.Sc.	71:1	(Regular + Part time teachers)
M.Sc.	14:1	(Regular + Part time teachers)
B.Sc.	281:1	Regular teacher
M.Sc.	56:1	Regular teacher

#### 13. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Lab technician-01 (One); Administrative staff-Nil

Staff	Sanctioned	Filled
Lab technician	01	01



Lab Attendant	01	01
---------------	----	----

#### 14. Qualifications of teaching faculty with DSc./D.Litt/Ph.D./ M.Phil/PG:

S. No.	Faculty Name	Qualifications				
		D.Litt.	Ph.D.	M.Phil.	P.G. with NET/SET	P.G.
1.	Dr. Richa Tikariha	×	√	×	×	√

#### 15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Nil

#### 16. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:

Nil

#### 17. Research Centre/facility recognized by the University:

Nil

#### 18. Publications:

##### \* Publication per faculty:

Publication per faculty

Dr. Richa Tikariha

1. Tikariha R. and Shedpure M(2000): Effects of Starvation on the characteristics of 24-h rhythm in surfacing of an Indian freshwater catfish. *Clarias batrachus*. *Biological rhythm research*. 33:121-128.

2. Tikariha R. and Shedpure M. (2006) : effect of phase delay and exogenous melatonin administration on surfacing activity in Indian walking catfish *clarias batrachus*. *Journal of parasitology & applied animal biology*, Vol 15 number 1&2:1-10.

3. Tikariha R. Shedpure M. and N (2006): Effects of exogenous melatonin on surfacing activities rhythm in *clarias batrachus* exposed under constant light (LL). *Proceeding, Proc. Nat. symp. On current trends in pineal research & 4<sup>th</sup> IPSP meeting, Raipur P. 239.*

4. Tikariha R. and Shedpure M. (2009) : Surfacing activity rhythm in *clarias batrachus* : effect of different phases of annual reproductive cycle. *Biological rhythm research*, Vol. 40, Issue 3 :223-234.



5. Tikariha R., Shedpure M., Jain N., karanjgaon kar P & Ratre M. (2015): Rhythmic characteristics of air breathing activity in a catfish : Role of exogenous melatonin. International journal of Pharmacology & biological Sciences Vol. 9(3) 2015. 27-37.

\* Number of papers published in peer reviewed journals (national/international) by faculty and students:

National 02

International 03

\* Number of publications listed in International Databases (For eg. Web of Science, Scopus, Humanities, International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.):

\* Monographs:

\* Chapter in Books:

\* Books Edited:

\* Books with ISBN/ISSN numbers with details of publishers:

\* Citation Index:

\* SNIP

\* SJR

\* Impact factor:

\* h-index - 1

19. Areas of consultancy and income generated:

Nil

20. Faculty as members in

nn. National committees:

1. Life membership of Indian Pineal Study Group.
2. Life membership of Society of "Chronobiology"

oo. International Committees:

pp. Editorial Board:

21. Student Projects



- aa. Percentage of students who have done in-house projects including inter departmental/programme:
- bb. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industries/Other agencies:

## 22. Award/Recognitions received by faculty and students

Faculty Name	Award
Dr. Richa Tikariha	1. Chhattisgarh Young Scientist Award 2004
	2. Best Paper Presentation Award – Gulbarga University 2000

## 23. List of eminent academicians and scientists/visitors to the department:

Dr. Weronika Rupek	Asst. Prof.	Dept. of Embryology & histology	University of Silesia Poland
Dr. Maya Shedpure	Professor	Head of Dept. of Zoology	Govt. D.B. Girls P.G. College Raipur (C.G.)

## 24. Seminar/Conferences/Workshops organized & the source of funding

### aa. National:

Nil

### bb. International:

Nil

## 25. Student profile programme/course wise:

2011-2012

Name of the course/programme	Applications received	Selected	Enrolled		Appeared in exam	Pass percentage
			*M	*F		
B.Sc. I		102	46	56		
B.Sc. II	21	21	21	00		
B.Sc. III	42	42	25	17		
M.Sc. Prev.	103	23	12	11	17	100
M.Sc. Final	17	17	10	06	16	94.44

2012-2013

Name of the course/programme	Selected	Enrolled		Appeared in exam	Pass percentage
		*M	*F		
B.Sc. I	116	48	68	111	80.18
B.Sc. II	79	25	54	66	98.48
B.Sc. III	53	25	28	51	100
M.Sc. Prev.	29	11	18	26	73.08



M.Sc. Final	22	11	11	22	90.90
-------------	----	----	----	----	-------

2013-14

Name of the course/programme	Selected	Enrolled		Appeared in exam	Pass percentage
		*M	*F		
B.Sc. I	121	50	71	105	83.81
B.Sc. II	89	35	54	76	93.42
B.Sc. III	78	27	51	75	98.67
M.Sc. Prev.	29	14	15	26	57.9
M.Sc. Final	26	10	16	26	92.31

2014-15

Name of the course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. I	497	121	41	80	
B.Sc. II	91	91	34	57	70.70
B.Sc. III	75	69	33	36	88.40
M.Sc. Prev.	184	30	10	20	Result
M.Sc. Final	26	26	11	15	awaited

## 26. Diversity of Students

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
<b>B.Sc. I</b>	<b>100</b>	<b>Nil</b>	<b>Nil</b>
<b>B.Sc. II</b>	<b>100</b>	<b>Nil</b>	<b>Nil</b>
<b>B.Sc. III</b>	<b>100</b>	<b>Nil</b>	<b>Nil</b>
<b>M.Sc. I Sem.</b>	<b>100</b>	<b>Nil</b>	<b>Nil</b>
<b>M.Sc. II Sem.</b>	<b>100</b>	<b>Nil</b>	<b>Nil</b>

## 27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, etc.?

Nil

## 28. Student progression:

Student progression	Against % enrolled
UG to PG	43
PG to M.Phil.	NA
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
-Campus selection	-
-Other than campus selection	-
Entrepreneurship/Self-employment	-

## 29. Details of Infrastructural facilities

**aaa. Library:**

Departmental Library: 266 Books

**bbb. Internet facility for Staff & Students:**

Yes wi-fi facility is available for staff only.

**ccc. Class rooms with ICT facility:**

Nil

**ddd. Laboratories:**

01

**30. Number of students receiving financial assistance from college, university, government or other agencies:**

All ST/SC/OBC/BPL/Minority students are receiving financial assistance as per provision of state Govt.

**31. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:**

All ST/SC/OBC/BPL/Minority students are receiving financial assistance as per provision of state Govt.

**32. Teaching methods adopted to improve student learning:**

Conventional as well as modern teaching methods are used to teach Under Graduate & Post Graduate students. Chalk and talk method is predominant but we also uses over head projector. LCD & power point presentation. The faculty also uses the internet & various search engines, e-notes etc. To enhance the knowledge class test, Group discussion, seminar, Quiz etc. are also a part of teaching. Chart and models are also used for teaching. Excursion trips are organized time to time for PG students.

**33. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Nil

**34. SWOC analysis of the department and future plans:****Strength:**

- \* There is a heavy demand of Post Graduate course of Zoology. Every year the ratio of received admission application is 5 times more than the allotted seat.
- \* The college is only institute of Dhamtari District, offering Post Graduate course in Zoology.



- \* From three consecutive years the Zoology Post Graduate students are securing ranks in University exams.
- \* With very few teachers, Department of Zoology is imparting quality education to the students.

**Weakness:**

- \* Lack of infrastructure
- \* In term of area per student inadequate Laboratory space.
- \* High Student-teacher ratio.

**Opportunities:**

- \* To establish ICT based laboratory teaching.
- \* To undertake research project.

**Challenges:**

- \* Co-Ordination between UG & PG teaching due to different examination scheme.
- \* In this region, in general, there is lack of command over English Language.

**Future Plans:**

- \* To provide opportunity to Post graduate students to participate more in Seminars and workshops of State, National and International level. Department will also organize the same.
- \* For upgradation of existing laboratory and infrastructure facilities, the department will prepare developmental plan and will present to Chhattisgarh Higher Education Department, UGC etc.
- \* Promotion of quality research work by attracting the research projects from various funding agencies which will fortify the departmental research environment and laboratory as well.