

Departmental profile: Zoology

About The Department:

Since the inception of the college, in year 1962, The Department of Zoology has been established as a leading centre for higher education in animal sciences. The Department was the first recognized Department in District of Wardha. The department has a basic equipped instrument facility, which has recently been upgraded and a number of new modern Analytical instruments have been added by prestigious grants fetched by college (**Centre Potential for Excellence from University grant Commission, and Star College status from Department of Biotechnology, Government of India**) At present, the department is running 3 years UG (B.Sc. course), 2 years PG course. The Department of Zoology has been holding various workshops, conferences, Seminars by leading scientists to provide a platform for scientific exchanges and insight of latest research to students of Wardha. To further strengthen teaching in the Department, up-gradation laboratories have been undertaken in the last two years. Class room and laboratory has been upgraded with audio-Visual facility. Department has up- to -date departmental library with latest editions books, internet facilities for students and well established museum of local fauna having unique collection.

Highlights of the Department:

1. Courses offered:

Under Graduation

- B. Sc.

Post Graduation

- M.Sc. (Specialization: Animal Physiology)

2. Well equipped UG and PG laboratories with more than 50 experimental set ups.

3. Models and specimens for better understanding of animal World.

4. Well arranged museum with representatives of all phylum.

5. Activities like guest lectures, educational tour to research institutes, workshops on animal cell culture, molecular biology and apiculture.

6. Model competition.

7. Seminar competition.

MAJOR EQUIPMENTS:

- **UV-Vis Spectrophotometer,(Shimadzu spectrophotometer uv-1800).**
- **Analytical Weighing Balance.**
- **Research Trinocular Microscope with Photographic attachment.**
- **Cooling Centrifuge.**
- **Autoclave.**
- **Hot air oven.**
- **Deep-freezer.**
- **Bacteriological Incubator.**
- **Carl Zeiss Stemi DV4 Stereo Microscope.**
- **Molecular Biology experimental setup.**
- **Animal cell culture Lab.**

Teaching Staff:

Name	Qualification	Designation	Specialization	Area of Research
Dr.M.R. Chanadrakar	M.Sc , Ph.D., SET	Assistant Professor	Animal Physiology	Molecular Biology
Dr. A. D. Theng	M.Sc, Ph.D., CSIR-UGC NET	Assistant Professor	Molecular Biology	Free radical Biology and ageing
V. P. Khandwekar	M.Sc. CSIR- UGC NET	Assistant Professor	Entomology	Entomology and biomaterials
Dr. V. J. Sharma	M.Sc, Ph.D.	Assistant Professor	Fresh water Zoology	Toxicology, Solid waste management, vermicomposting

Recent Achievement of students: _

- One student cleared national M.Sc. entrance exam JAM (Biological Science) for the year 2017.

Co-curricular program of the department:-

Centre for opportunities in Higher learning & Competitive examination Under this centre, students get information regarding PG courses & entrance available at different University & Competitive examination

Faculty Incharge – Dr. M.R. Chandrakar

Zoological Society:-

Under the banner of Zoological Society students of PG & UG (Zoology) are the members conduct guest lectures & work shop organized by the department.

Highlights of the syllabus under Autonomy

The course ensures graduate students with Zoology will have pre requisite standards to take admission to PG programme in Zoology, Molecular Biology, Biochemistry & Life Sciences.

The Students would be capable of cracking Competitive exam.

The syllabus is covering basic taxonomy, Invertebrates & Vertebrates, Cell Biology, Genetics, Physiology & Molecular Biology along with advanced theory topics and skill oriented

experiments. Innovative projects would also be part of practical to orient students towards research.