

## ZOOLOGY

### Departmental profile:

#### ABOUT 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 and one year Career Oriented Course in Apiculture. 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. Apart from teaching, the Faculty members are making substantial contribution to the society in various capacities in form of Consultancy (Characterization of various diseases causing Helminthes brought for identification). To further strengthen teaching in the Department, an extensive renovation and 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.

#### COURSES OFFERED

##### Under Graduation

- B. Sc
- Carrier Orientation Course (Apiculture)

##### Post Graduation

- M.Sc ( Specialization: Human Physiology)

##### Activities: (Last three years)

- Dr. Shekhar Mande, Director (NCCS) had delivered guest lecture on Structural Biology.
- Guest lecture of eminent Scientist of NCCS, Dr. M. S. Patole ((Scientist 'G') had been organized on Animal Cell culture.
- Guest lecture of Dr Arvind Sahu (Scientist 'G', NCCS) had delivered lecture on topic Immune system and compliment system.
- Dr. Girdhari Lal from NCCS delivered lecture and hands on training on autoimmunity and tolerance. (22<sup>nd</sup> Sept 2015)
- DBT, GOI sponsored Workshop on Recent techniques in Molecular biology has been organized by department of Zoology.

- **Dr S K Goyal, Senior Scientist, NEERI Guided students on Sustainable development. (20<sup>th</sup> Sept 2014)**
- **Organized UGC sponsored Workshop on Apiculture every year including field visit.**
- **Interdepartmental Science model and seminar Competition.**

#### **ONGOING RESEARCH PROJECT OF DEPARTMENT:**

- **Dr M. R. Chandrakar: “effect of waves generated by mobile phones on developing on chick embryo”**

#### **FACILITIES/MAJOR LAB EQUIPMENTS**

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

Teaching Staff:

- Name: **Dr.M.R. Chanadrakar.**
- Designation: **Assistant Professor**
- Qualification: **M.Sc , P.hD, SET**
- Experience: **16 years**
- Highlights/Credentials:

**19 partial gene sequences of Cyt B and D loop region of purple swamphen Porphyrio porphyrio (Linnaeus,1758) from India has been deposited in the NCBI GenBank.**

Teaching Staff:

- Name: **Dr A D Theng**
- Designation: **Assistant Professor**
- Qualification: **M.Sc, P.hD, CSIR-UGC NET**
- Experience:**06 Years**
- Highlights/Credentials: **CSIR-UGC NET**

Teaching Staff:

- Name: **V P Khandwekar**
- Designation: **Assistant Professor**
- Qualification: **M.Sc, CSIR-UGC NET**
- Experience: **06 Years**
- Highlights/Credentials: **CSIR-UGC NET with All India Rank 40. (1 International Publication).**

Teaching Staff:

- Name: **Dr V J Sharma**
- Designation: **Assistant Professor**
- Qualification: **M.Sc, Ph.D**
- Experience:**04**
- Highlights/Credentials: **International Publications: 5 papers.**

8. Non-teaching Staff:

Name	Designation	Experience
<b>Shri Shrikant Yende</b>	<b>Lab Assistant</b>	<b>12 Years</b>
<b>Shri Prashant Sable</b>	<b>Lab Attendant</b>	<b>12 Years</b>
<b>Shri Chetan Umbarkar</b>	<b>Lab Attendant</b>	<b>22 Years</b>
<b>Smt Nilima N Jugnake</b>	<b>Lab Attendant</b>	<b>12 years</b>