

DEPARTMENT OF ZOOLOGY

MISSION STATEMENT

The Department of Zoology is committed to impart excellence in teaching, research and community service related to the fields of life science and sustainable management of the environment in India and particularly Narkhed region, by providing stimulating and supportive conditions to students and staff community.

AIM OF THE DEPARTMENT

The prime aim of the department is to inspire students through teaching as well as cherish and improve research attitude to the highest possible standards in Life Science. The faculty of the department also aim to communicate our research findings of Limnology , Ethnobiology, Animal Physiology, Avian Biology and Entomology to the community of the area so as to get more and more benefits to them in the widest possible range, thus contributing to the overall integration of scientific knowledge and methods into the fabric of society. At the same time we aim to make tune with nationwide global research activities since the establishment of the dept. Therefore we plan our activities in both rural and global contexts.

ABOUT DEPARTMENT

The department is established in 2008-09. The department is now well equipped and well furnished with Under Graduate. The subject combination is Zoology, Botany, and Chemistry at UG level. Presently we are extending our help and services to the farmers and farm labour community under various extension and consultancy services related to the crop pest control and Vermicompost. The department has always been making its tune with the recent research activities that has been running on global platform. We have been performing research activities, presenting research papers in National and International Conferences and symposia as well as

publishing research papers in Journals. The Department has also imparted its contributions to enrich the subject by organizing State level and National Conferences and provided the platform for students, scientist, researchers, teachers and industrialist.

DETAIL OF FACULTY:

| Sr. No. | Name of Faculty | Qualification | Mobile No. | Designation |
|----------------|------------------------|--------------------------|-------------------|---------------------|
| 1 | Dr. N. M. Raut | M. Sc., NET, SET, Ph. D. | 7709590566 | Assistant Professor |

COURSES:

The department offers a full time six semesters teaching course leading to UG.

B. Sc. Paper:

Semester I: Life Diversity of Non- Chordata

Semester II: Cell and Development Biology

Semester III: Life and Diversity of Chordata and Concept of Evolution

Semester IV: Advance Genetics and Animal Ecology

Semester V: Animal Physiology and Economic Zoology

Semester VI: Molecular Biology and Biotechnology

FACILITIES DETAILS:

In the department all necessary instrument and equipment like phase Microtome, Centrifuge, Deep Freezer, pH meter, Autoclave, Electrophoresis instruments, Digital Balance, Oven, Incubators, LCD projector, Water Analysis Kit, Water Bath and PC with internet etc are available.

CONSULTANCY AND EXTENSION

The department is now in a position to offer consultancy services to the farmers with respect to the Crop pest management and Vermicompost. The faculty has been extending its services by counseling farmers on crop pests and pesticides, female feticides, importance of education to the community, eradication of superstition, health and hygiene and personality development and communication skill.

Our department also runs various extension activities like Vyasankmukti Scheme, Blood Group Testing, Water and Food for Birds, Pulse Polio Movement. Environment Awareness Program, Natural Photography Workshops, Old Books Collection Programs, Eco-friendly Store Grain Management, Stress Relieving Program and Documentation of Biodiversity of Local Animals.

FACULTY PROFILE:

1) Dr. Nitin M. Raut

Education:

Doctor of Philosophy, Zoology (2018)

- Sant Gadge Baba Amravati University, Amravati, Maharashtra, India
“Influence of Vegetation structure and Microclimate on the Diversity of Spiders in Salbardi forest (Satpura Range) Amravati District, Maharashtra”

SET (State Eligibility Test for Lectureship), Life Sciences (2013)

NET (National Eligibility Test for Lectureship), Life Sciences (2013)

Master of Science, Zoology (2009)

- Government Vidarbha Institute of Science and Humanities, Amravati

Bachelor of Science, Biology (2007)

- Government Vidarbha Institute of Science and Humanities, Amravati

Research Paper Publication List:

- 1) **Deshmukh U.S. and Raut N.M.(2012).** Distribution of spiders fauna at the border of Madhya Pradesh and Maharashtra in the Salbardi-Satpuda forest range. BBRC International Journal, Vol. 5 (2) 210-213.
- 2) **Raut N.M. and Deshmukh U.S.(2013).** Seasonal Diversity and Status of Spiders (Arachnida: Aranae) in Salbardi forest (Satpura Range), Maharashtra, India. Journal of Entomology and Zoology Studies 2014; Vol.2 (6): 278-281.
- 3) **Y. A. Gadhikar , S. G. Chirde , N. Raut, U. S. Deshmukh & S. Sampat (2015)** A Preliminary checklist of Moths species from Amravati city, Maharashtra (India) G.J.B.A.H.S., Vol.4 (1): 48-51.
- 4) **Raut N.M. (2020):** Spiders as bio-indicators of anthropogenic stress in natural and seminatural habitats:- some recent Issue No. 287: 310