



SHIVAJI UNIVERSITY, KOLHAPUR

Department of Zoology

2023 - 2024

Department of Zoology

Establishment Year : 1964

Head of the Department : ASHISH AMBADAS DESHMUKH

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Autonomous : No

Programmes Offered in the Department

Sr. No	Programme Name	Branch	Duration		Intake	Eligibility Criteria
			Year	Month		
1	M.Sc.-Master of Science	Zoology	2	0	60	B. Sc. in Zoology
2	Diploma-Diploma	Sericulture	1	0	40	10th Pass
3	PG Diploma-Post Graduate Diploma	Sericulture	1	0	40	Any Graduate

Ph.D Offered : Yes

Placement opportunities :

Research and Higher Education:

Junior Research Fellow, Research Assistant in National Laboratories, Universities and research Institutes for Ph.D..

Academics:

Assistant Professor, Teacher etc.

Salient Features of the Department:

Over a span of 59 years, the Department has imparted excellence in Education and Research. The faculty members are devoted and brought spectacular achievements in the field of Cell Biology, Animal Physiology, Entomology, Aquaculture and fisheries and Sericulture. To inculcate the Research skills in Post Graduate and Doctoral students, we assign topics in the fields of Cellular and Molecular aspects of Neuro degeneration, Therapeutic potential of Phyto-nanoparticles on Diabetes and Aging, Biodiversity & Biosystematics, Avian studies, Fish & Molluscan Toxicology, Eco-friendly Pest Management and Sericulture. This Department is blessed with well-equipped laboratories and an Animal House with the State of Art infrastructure. To showcase the biodiversity and conservation, Butterfly Park is established in the campus with 80 species of host and nectar plants. So far 40 species of Butterflies are sighted in the park.

For promoting entrepreneurship, we have initiated two job-oriented courses, viz., Diploma in Sericulture and Post Graduate Diploma in Sericulture. Further, to provide a Niche for budding Entrepreneurs and Technocrats for venturing in Sericulture & Apiculture, 'Centre of Excellence & Incubation in Sericulture' is established. To explore the new avenues in marine research, this department also runs 'Centre for Marine Environment' at Malvan, District Sindhudurg.

Teaching Staff Information

Sr. No	Faculty Name	Designation
1	Dr. Shri. Ashish Ambadas Deshmukh	PROFESSOR AND HEAD
2	Dr. Shri. Shivanand Ramappa Yankanchi	PROFESSOR
3	Dr. Shri. Nitin Anandrao Kamble	PROFESSOR
4	Dr. Smt. Madhuri Vasant Walvekar	PROFESSOR
5	Dr. Shri. Madhav Pralhad Bhilave	PROFESSOR
6	Dr. Shri. Sunil Madhukar Gaikwad	ASSOCIATE PROFESSOR
7.	Dr. Anna Dnyanadeo Gophane	ASSISTANT PROFESSOR
8.	Dr. Yogesh Kisan Mane	ASSISTANT PROFESSOR

Infrastructure Facilities

Auditorium

Common Room

Library

Seminar Halls, Research labs

Classrooms, Smart Classrooms

Instrumentation, Animal House Facility

Laboratories, Animal Cell culture lab

Ramp available for Persons with Physical Disability.

Separate common Room exclusively for Girls

Equipments

Sr.No	Equipments Name	Description / Use
1	2 D Gel Electrophoresis	Used for separation and fractionation of mixture of complex proteins.
2	Animal Cell Culture Lab	To culture animal cell for detailed study.
3	CO2 Incubator	Essential requirement for Animal Cell culture. (Incubation)
4	Cooling Centrifuge	Used for centrifugation of thermolabile samples in biology.
5	ECG- Machine	Used for recoding of cardiac activity heart.
6	Fluorescence Microscopes	Used to visualize and get better insight in to subcellular structures by fluorescent labelling.
7	Gel Doc Unit	Used for capturing photographs of various gels after electrophoresis run, such as protein, nucleic acid electrophoresis etc.
8	Inverted Phase Contrast Microscopes	To visualize live cells in samples including cultured cells.
9	Laminar Air Flow	Used to work with various biological samples in aseptic condition.
10	Lyophilizer	Used for freeze-drying of biological samples.
11	PCR Thermocycler	Useful in DNA amplification
12	RT-PCR Thermocycler	Useful in the synthesis of cDNA and its amplification. Useful in quantification of amplified DNA in real time .
13	Spectrofluorometer	Used to measure fluorescence of biological samples.
14	UV Spectrophotometer	Used in measurement of absorbance of light by various chemicals being analyzed.

Other information:

Students completing M.Sc. from the Department of Zoology, Shivaji University Kolhapur gained success in SET and NET exams. Many of them qualified JRF. From the first day of teaching, efforts are taken to impart knowledge and training from SET and NET exams point of View. The faculty members are devoted to impart practical knowledge that contributes to skill development in areas such as Animal Cell culture, molecular techniques, Occupational Physiology, Insect taxonomy , biopesticides, Aquaculture and fisheries, Silkworm rearing and production of cocoons etc. Besides regular teaching, value added courses, hands-on training programs, Lecture series of International and National level Scientists are routinely organized for getting maximum exposure to recent developments in the subject.

Department Head Signature