

K. Z. S. Science College, Bramhani, Kalmeshwar

DEPARTMENT OF ZOOLOGY

Department at a Glance

Curriculum, Curricular and Research



SINCE 1994

DEPARTMENT OF ZOOLOGY

(Established in the Year – 1994)

The Department of Zoology, one of the youngest departments under the umbrella of this college was established in July 1994. Within this small tenure of two decade, the department is spearheading the cause of higher education in the animal sciences. The faculty is engaged in the frontier areas of research such as Transmission Electron Microscopy, Histology, Endocrinology, Reproductive Physiology, Avian biology, Insect biology, Pollution, Environmental Biology and Biodiversity.

The laboratory is equipped with all necessary and sophisticated instruments and equipments to carry out practical classes as per the syllabus. The Department has sophisticated microscopes, Research microscopes, Haemometer, Haemocytometer, Camera lucida, BP apparatus, Oven, electrophoretic system, Spectrophotometer, pH meter, Enlarger, Environment biology kit etc.

The museum is well stocked with various specimen belonging to all the animal phyla which are used for teaching Invertebrate and Vertebrates divisions which are included in the syllabi. The Museum of Zoology is home to a huge variety of preserved animals which are significant for our knowledge on the faunal diversity of the biosphere. These animals are related to evolution, embryology and of various other fields are used for the purpose of academic study by students and teachers. The museum has specimens like Crab, prawn, lobster and insects decorate the Arthropoda collection, while the molluscans are represented through snail, oyster, shells, octopus and squids. The echinoderms collection has beautiful starfish, sea feather and cucumber. Museum also has electric ray, deep-water fishes, and flying fishes and many more. A very interesting aspect is the taxidermy collection of birds (parrot and Kingfisher) reptiles (varanus) and mammals (squirrel). Some rare animal specimen like peripatus is also in the museum.

The skeletons of different vertebrate animals like varanus, fowls and rabbit are kept to know the internal arrangement of bones in the body.

At present the Department is actively engaged in teaching in diverse fields of Zoology including Life and Diversity of Animals- Nonchordates (Protozoa to Hemichordata) and Chordates (Protochordata to Mammals), General Mammalian Physiology, Environment Biology, Cell Biology Genetics, Molecular Biology, Immunology and Applied Zoology (Aquaculture and Economic Entomology, Biotechniques, Microtechnique, Biotechnology, Bioinformatics and Biostatistics)

Students are assessed and evaluated throughout the semester by a continuous system of unit tests, seminars, assignments and semester examinations.

Teaching Staff Information

1. Dr. Mrs. Aasidhara N. Darvekar

i) Designation: *Assistant Professor (Since 08/08/2016)*

ii) Qualification: *M. Sc. (Zoology) Ph. D*

iii) Specialization: *Entomology*



Research Work:

Date of Ph.D. degree awarded: 28/08/2007

Research area: Sericulture & its prospects

Ph. D. Topic: Studies on the transmission & persistence of Nucleopolyhedrovirus (NPV) Infection during development of silkworm *Bombyx mori* L.

Area of Interest (Research): Zooplankton Analysis , Sericulture techniques , Apiculture

Publications :

Papers in International Journal: 03

National Journal: 05

Papers in Conferences:02

Books Published: nil

Ph. D Students: nil

Research Project/s: nil

2. Dr. M. P. Thakare

- i) Designation:** Assistant Professor (Since 16/09/2019)
ii) Qualification: M. Sc. (Zoology, Ph. D.)
iii) Specialization: Entomology



Research Work:

Date of Ph.D. degree awarded: 22/08/2016

Research area: Sericulture & its prospects

Ph. D. Topic: "Studies on the Metamorphic Changes and EFF Maturation in Tropical Bhandara (Lepidoptera : Saturniidae.)

Area of Interest (Research): Tasar Sericulture , Apiculture, Applied entomology

Publications :

Papers in International Journal: 04

National Journal: 02

Papers in Conferences:01

Books Published: nil

Ph. D Students: nil

Research Project/s: nil

2. Non- Teaching Staff Information

Mr. Abhay Anjankar

Designation: Laboratory attendant
Date of Birth: 31.07.1972
Date of Appointment: 09.04.1997/ 18 years
Qualification/Specialization: HSC/(MCVC)



Teaching of Subject papers and Practical's

Teaching of Subject papers and Practicals

Course	Paper - I	Paper - II	
B. Sc. SEM I	Life and Diversity of Animals- Nonchordates(Protozoa to Annelida)	Environment Biology	Practical -I (Based on Paper- I and II)
B. Sc. SEM II	Life and Diversity of Animals- Nonchordates (Arthropoda to Hemichordata)	Cell Biology	Practical -II (Based on Paper- I and II)
B. Sc. SEM III	Life and Diversity of Animals-Chordates (Protochordata to Amphibia)	Genetics	Practical -III (Based on Paper- I and II)
B. Sc. SEM IV	Life and Diversity of Animals-Chordates (Reptilia, Aves and Mammals)	Molecular Biology and Immunology	Practical -IV (Based on Paper- I and II)
B. Sc. SEM V	General Mammalian Physiology-I	Applied Zoology I (Aquaculture and Economic Entomology)	Practical -V (Based on Paper- I and II)
B. Sc. SEM VI	General Mammalian Physiology II	Applied Zoology II (Biotechniques, Microtechnique, Biotechnology, Bioinformatics and Biostatistics)	Practical -VI (Based on Paper- I and II)

Strength of Students

(2015-2016)

Class	Boys	Girls	Total
B. Sc. SEM I	20	35	55
B. Sc. SEM II	20	35	55
B. Sc. SEM III	15	44	59
B. Sc. SEM IV	15	44	59
B. Sc. SEM V	04	05	09
B. Sc. SEM VI	04	05	09

(2016-2017)

Class	Boys	Girls	Total
B. Sc. SEM I	22	35	57
B. Sc. SEM II	22	35	57
B. Sc. SEM III	17	45	62
B. Sc. SEM IV	17	45	62
B. Sc. SEM V	10	12	22
B. Sc. SEM VI	10	12	22

(2017-2018)

Class	Boys	Girls	Total
B. Sc. SEM I	25	40	65
B. Sc. SEM II	25	40	65
B. Sc. SEM III	14	42	56
B. Sc. SEM IV	14	42	56
B. Sc. SEM V	08	12	20
B. Sc. SEM VI	08	12	20

(2018-2019)

Class	Boys	Girls	Total
B. Sc. SEM I	22	30	52
B. Sc. SEM II	22	30	52
B. Sc. SEM III	15	42	57
B. Sc. SEM IV	15	42	57
B. Sc. SEM V	08	07	15
B. Sc. SEM VI	08	07	15

(2019-2020)

Class	Boys	Girls	Total
B. Sc. SEM I	21	43	64
B. Sc. SEM II	21	43	64
B. Sc. SEM III	14	53	67
B. Sc. SEM IV	14	53	67
B. Sc. SEM V	08	27	35
B. Sc. SEM VI	08	27	35