

# Department of Zoology

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## **Introduction**

The Department of Zoology was started with the establishment of science faculty of this college in 1992. Right from the establishment of science faculty, the first appointed lecturer and head of the department of zoology was Shri. Anand Chaware. He worked as a lecturer from 1992 to 1996. Permanent faculty was appointed in October 1996. Miss. Vijaya Y. Muley was appointed as a lecturer and head of the dept. and Miss. Manjusha S. Bhojar was appointed as a subordinate lecturer in the dept. The aim to open science faculty was to spread science education to desirous student who has to go out of Arvi.

Zoology is one of the basic science subjects in our college taught at U. G. level. Students learn the importance of environmental science, Biodiversity, physiology, cytology, genetics, ethology, micro technique,

entomology, evolution developmental biology etc. College share knowledge and secure student development in every field. The mission of the college is to provide 'Education to poor and all'

## **Department Profile**



Name : Dr. Vijaya Y. Muley  
Designation : Assit. Prof. and Head of Department  
Qualification : M.Sc. Ph.D.  
Date of appointment : 3-10-1996



Name : Dr. Manjusha S. Bhojar  
Designation : Assit. Prof.  
Qualification : M.Sc. Ph.D.  
Date of appointment : 7-10-1996



Mr. Arvind S. Gayakwad  
Designation : Laboratory attendant  
Date of Joining : 20-9-2000

## Facilities in Department

### Zoology Laboratory



The Zoology laboratory was constructed and well established in the year 2013. The laboratory is well equipped with all necessary equipment and chemicals. The laboratory has ample space for animal mini-museum and stock room. The sitting arrangement for practical work in laboratory is for 46 students. The department is struggling hard to cope up the life science learner. The laboratory is well equipped with audiovisual aids, major equipments like oven, centrifuge, horizontal electrophoresis apparatus, microtome, inclined monocular microscope, compound microscope, binocular microscope, haemocytometer, charts and model etc.



Animal Mini Museum



Stock room

## **Departmental Library**

The department has small departmental library with near about 50 numbers of books.

These books are lent to the students who want to read extra material.

Some student are very poor, they cannot offered the expensive books hence the department provide them books up to examination.

## **Bridge Course :**

Bridge course is a means to make students prepared to face the intellectual challenges of university education. It is designed for first year students only. It bridges the gap between higher secondary education and the university curriculum. After successful completion of the courses, test on bridge course was arranged for the students, it becomes very easy for teachers to identify slow and advanced learners quickly and design the teaching plan accordingly.



## **Certificate course in Vermicomposting :**

The Certificate course in 'Vermicomposting 'was started by Zoology Department in the session 2013-14. This course has been running successfully since then. So far 120 students have taken the advantage of this course. The only motto of this course is to cater to the need of rural students and make them competent to face global challenges



Dr. V. Y. Muley demonstrating the process of vermicomposting

## **Activities :**

The students apart from their usual routine studies also shows their individual performance and department by organizing various extra-curricular and co-curricular activities organized under “Study circle of Zoology” for this a working committee of study circle is established every year. The committee organized various activities such as seminar, charts and model exhibition, excursion, guest lecture etc. By organizing such programme students develops skill and abilities and self confidence and shows their talent.

## Session 2017-18

- 1) **Self-Governing Day**
- 2) **Zoological Excursion**
- 3) **National Science Day:1) Seminar Competition**
  - 2) Guest Lecture

### 1) SELF GOVERNING DAY:

Science Faculty has organized Self Governing Day on occasion of Teacher's day ,the birth Anniversary of Dr. Sarvapalli Radhakrishna. The Examiner of the program was Dr. M. S. Bhoyar (Zoology Dept) and Prof. N. M. Khobragade (Physics Dept). Total 26 student were participated in this Programme. Student prepared a Time-Table of the periods. They engaged the period peacefully. They successfully governed the college. The Program was concluded by small refreshment for the 'student Teacher'.

Miss. Anusri Khandekar delivering lecture on Teachers Day

### NATIONAL SCIENCE DAY: 1) Seminar Competition

#### 2) Guest Lecture

Department of Zoology has arranged the Seminar Competition on the Occasion of National Science Day. Examiner of the competition was Prof. Vijay Khadse, Prof. Dr. Vinay Hivase and Prof. Nilesh Kamdi. Total 12 Student Participated in Seminar competition. Introductory Speech was given by Prof . Dr. V. Y Muley ( HOD of Zoology Dept.). Anchoring of the Programme was done By Ku. Kavita Chopde ( Student of B.Sc III).Vote of Thanks was delivered by Prof. Dr. M.S. Bhoyar .



## SEMINAR COMPETITION



**Miss. Sajiya Ansari delivering seminar**



**Miss. Kajal Narnavre delivering seminar**



**Mr. Subhash Dhone**



**Mr. Nikhil Kolhe**



**Mr. Akmal Shaikh**

Delivering their topics in seminar competition

## 2) GUEST LECTURE:

The Guest Lecture was arranged on 6<sup>th</sup> Jan 2018. The guest of this programme was Mr. Ashish Goswami, Director of 'Karuna Asram' Wardha, who save the injured animal in Karuna Asram, Introductory Speech of the Guest was given by Head of Zoology Dept Dr. V.Y. Muley. The topic of the guest lecture was "**Animal Conservation**". The guest explained how the animals are Killed for preparation of different commercial Products such as animal food , Cosmetic, Ornaments , Jewelry etc. He said that people use the animal for their commercial need but I conserved the animal for us and nature. Vote of Thanks was given by Dr. M.S. Bhojar.



### Session 2018-19 :

- 1) Teachers Day
- 2) **Zoological Excursion**
- 3) **Chart and Model Competition**
- 4) **National Science Day**

#### 1) Teachers Day :

Miss. Ashwini Dongare delivering Lecture on Teachers Day

Miss. Pallavi Wankhede is delivering lecture on Teachers Day

## Zoological Excursion :



## Visit to Apiculture Farm at Umari Dam Nagpur.



## Chart and Model Exhibition:



Latitude: 21.0104  
Longitude: 78.225392  
Elevation: 313.93m  
Accuracy: 10.7m  
Time: 02-09-2019 15:44



Latitude: 21.010299  
Longitude: 78.226388  
Elevation: 310.93m  
Accuracy: 10.7m  
Time: 02-09-2019 16:06

The Chart and Model Exhibition was organized by Zoology and Botany Dept. on 5<sup>th</sup> January 2019. Total 20 students participated in this competition. Student got an opportunity to show their practical skill and express the knowledge on particular topic of their own interest. The inaugurated speech was given by Dr. A. S. Dahat (HOD of Botany Dept.). Introduction of the programme was done by Dr. V. Y. Muley (HOD of Zoology Dept.). The examiner of the



competition was Prof. Dr. Kaurase ( HOD of Botany Dept. Ashti) and Prof. Khadase (HOD of English Dept.).



## **Research Publications :**

### **International/National Level Conference, Seminar and Workshop**

#### **Session- 2017-18**

##### **Dr. V. Y. Muley and Dr. M. S. Bhojar**

- Participated in One Day Workshop on “Patent Drafting, Filing & Processing” held at Vidya Bharati Mahavidyalay, Amravati on 29<sup>th</sup> Novenber, 2018
- Participated One Day National Seminar on “Trends Bioresource Management and Nanotechnology” held at Centre for Sericulture and Biological Pest Management Research, R. T. M. Nagpur University, Nagpur on 26<sup>th</sup> October 2018

#### **Session- 2018-19**

##### **Dr. V. Y. Muley**

- Published Research Paper entitle, ‘Kridakshmta Vadhimdhye Poshanachi Bhumika” in National Conference on “Role of Physical Education and Other Disciplines in Enhancing the Performance of Players & Fitness for Young and New India”
- Participated in Two Day National Seminar on ‘Revised NAAC Framework: Prospects & Challenges in Rular Setup, held at Vidyabharati College, Seloo, District. Wardha on 5 & 6 March 2019
- Participated in One Day State Level Workshop on NAAC’s Revised Accreditation Framework (RAF)- An Overview & “Intellectual Property Rights (IPR) (RAF-IPR 2019) held at Arts, Commerce and Science College, Arvi, Dist. Wardha

**Dr. M. S. Bhoyar**

- Participated in One Day State Level Workshop on NAAC's Revised Accreditation Framework (RAF)- An Overview & "Intellectual Property Rights (IPR) (RAF-IPR 2019) held at Arts, Commerce and Science College, Arvi, Dist. Wardha

## **Extension Activities: 'VERMICOMPOSTING'**

**Session : 2017-18**

Department of zoology started extensive activity from 2017-18. Students arranged vermicompost stall in college premises for demonstrating and selling purpose of Vermicompost.

Dr. H. R. Verukar (Principal) has been Inaugurated this activity and in his speech he addressed the people about uses and benefits of vermicomposting.



Through this activity we make the rural students more competent in communication. This activity provide awareness among the people about vermicomposting process, its uses and benefit.



The '**Vermicompost**' stall was arranged in the '**FOOD FESTIVAL CELEBRATION**' at Arvi, organized by Lions club Arvi, on 18 & 19 January 2018. Students were demonstrating the process of vermicomposting and sold the vermincopost to the visitors.

**Session : 2018-19:**

Students and staff of zoology dept. visited to Y. G. M. College, Talegaon for the demonstration of '**Vermicomposting plant**', its uses, benefits etc. Students Mr. Pavan ukandakar, Mr. Akmal sheikh, Mr, Rushikesh Gadage, Mr. Sanghrsh Wghmare, Mr. Utkesh Khorgade and Miss. Anjali Kotwani was explained and demonstrated very well with the help of power point presentation.





Student Mr. Pavan Ukandakar demonstrating the 'Vermicomposting Plant' its uses and advantages to the students of Jawahar Smruti Vidyalay, Delwadi, Dist. Ashti

The '**Vermicompost**' stall was arranged in the '**FOOD FESTIVAL CELEBRATION**' at Arvi, organized by Lions club Arvi, on 18 & 19 February 2019. Student demonstrating process of vermicomposting and sold the vermicopost to the visitors.

**Projects:**

**Field project**

**On**

**“AVIAN DIVERSITY IN AND AROUND SARANGPURI LAKE OF ARVI, DISTRICT WARDHA.”**

[Part – I](#)

[Part - II](#)