Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College

Manchar, Tal. Ambegaon, Dist Pune

DEPARTMENT OF ZOOLOGY
ANNUAL REPORT
2023-24

Zoology is a branch of science that deals with the study of animal kingdom and animal life. Keeping a beat to global hands and scope for the subject college started the Department of Zoology in the academic year 1982-83. A unique feature of the department has been the deep involvement of the teachers and students in implementation and monitoring of various programmes and activities. In the academic year 2023-24, 13 students were admitted for TYBSc class. During last academic year (2022-23) the overall result of Zoology specialization was 100%. Mr. Shubham Sabale bagged 4th Rank at University level. Ms. Aamina Pathan. secured 93.14% and stood 1st in the class. The activities and the achievements of our department are as follows:

1. International Conference:

Hybrid International Conference on Exploring Innovations in Life Sciences (ExILS-2024) was organized on March 23, 2024. Resource person of national and international repute was invited and delivered expert talks on their respective expertise. Dr. S. B. Patil inaugurated the conference and delivered a key note address. Dr. G. B. Patil, Dr. V. V. Sonawane, Dr. B. B. Waykar, Dr. G. Kanade-Gone, and Dr. Devadas delivered lectures during plenary sessions. They substantially contributed to the conference. It was a one-day event. 311 students and delegates registered and participated. Around 63 participants presented their research work in form of Oral and Poster Presentations. Dr. R. D. Chaudhary was chief guest for the valedictory session.

2. Wildlife Week Quiz Competition:

Department of Zoology organized an online quiz on the occasion of Wildlife Week 2023 to create an awareness on Wildlife and their conservation, on October 7, 2023. Total 120 students participated in this quiz.

3. Celebration of World Wetland Day:

World Wetland Day was celebrated on February 2, 2024 by organizing various programs. Expert lecture on "Conservation of Wetlands" was organized by the Department for FY/SY/TYBSc students by Dr. S. S. Patil. In addition, a Documentary Show on Birds in Wetlands of Bhigwan, Maharashtra was organized in Karmaveer Auditorium. Field visit to campus lake was also organized. E-quiz was also organized. Total 46 students benefited from the program.

4. Celebration of National Science Day:

E-quiz was organized on the occasion of National Science Day 2024 on February 28, 2024. Around 100 students participated in the program. Students also participated in Avishkar Competition (College Level), organized by Avishkar Committee on February 29, 2024. Total 13 students from TYBSc and 1 student from SYBSc participated and presented their poster and models.

5. Field Visit:

Field visit was organized to Krishi Vidnyan Kendra, Narayangaon, on February 8, 2024. The aim of the visit was to explore the Agriculture Exhibition organized at KVK, Narayangaon. Students were exposed to information on Sericulture, Vermiculture, Fisheries and Pest Control Unit. Total 55 students from SY and TYBSc benefited from the visit.

Field visit to vermicompost unit and apiculture unit in the college campus was organized for the students of FYBSc. Total number of beneficiaries were 44.

6. Study Tour:

Study tour to Dapoli, Diveagar and Harihareshwar was organized from March 11 to March 12, 2024 was organized for FY, SY and TYBSc Zoology students. Students visited to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. Students visited to the beaches of Diveagar, Hariharshwar and Murud for collection of marine molluscan species. A visit to local fish market was also organized at Harnai Port, Dapoli. Total number of beneficiaries were 36.

7. Extension Activity on Blood Group Detection:

'Blood Group Detection Camp' was organized on February, 29, 2024, on the occasion of National Science Day 2024. As a team work, the students of TYBSc (Zoology) detected Blood Groups of 55 students.

8. Research:

Research project undertaken by TYBSc Zoology students in this academic year are as follows:

Sr. No.	Name of the Student	Title of the Project	Mentor
1.	Gabhale Prathamesh Rajendra	Analysis & Identification of Fingerprints from Annasaheb Awate College Manchar	Ms. S. V. Kale
2.	Gawade Omkar Balu		
3.	Gawade Kajal Khandu	Analysis of Root and Shoot Development in fenugreek (*Trigonella Sp*) in Soil Supplemented with Vermicompost	Ms. H. J. Gavit
4.	Thorat Aditi Kailas		
5.	Waykar Pradnya Ramdas		
6.	Ghodekar Namrata Balasaheb	Study of Physio-chemical Parameters of Ghod River Water, Ghodegaon, Dist. Pune, MS, India	Dr. S. S. Patil
7.	Kondhawale Sakshi Haridas		
8.	Inamdar Misba Anis	Effect of MgO2 Nanoparticles synthesised from *E.crassipes* extract on growth of *Triticum aestivum*	Ms. S. A. R. Sayyed
9.	Jangale Tejal Nandkumar		
10.	Kengale Divya Santosh	Phytochemical Analysis of Leaves of *Costus igeus.*	Ms. S. V. Kale

11.	Kirve Sonal Prakash		
12.	Somavanshi Ketan Vijay	Survey of Urinary Diseases from Ambegoan, Tal. Manchar.	Mr. S. T. Pokale
13.	Lande Rutuja Laxman	Comparitive Structure of Haemin Crystals with Special Reference to Fish, Hen, Goat and Human	Dr. S. S. Patil

9. Participation and Achievements of Students and Faculty Members:

Sr. No.	**Name of the Student/Faculty**	**Event**	**Organizer**
1.	TYBSc Students	Paper Presentation at "Discovery of Flights" a National Conference for Bird Watchers	SSVP's Sanstha's L.K. Dr. P.R. Ghogrey Science College, Dhule from 21-22 October, 2023
2.	TYBSc Students	Paper Presentation at " Exploring Innovations in Life Sciences (ExILS-2024)"	Annasaheb Awate College
3.	Ms. Walunj Sakshi	1st Prize in Model Competition at Avishkar (College Level) 2024 for Model on "Extraction of DNA from Fruits and Vegetables using Home Chemicals".	Annasaheb Awate College
4.	Ms. Kengale Divya Mr. Gabhale Prathamesh	3rd Prize in Model Competition at Avishkar (College Level) 2024 for Model on "Insect Collection".	Annasaheb Awate College

8. Short Term Course:

Short term course in "Apiculture" was organized. 15 F.Y.B.Sc. students enrolled and 11 students successfully completed the course. Theory and practical sessions were organized by the teaching faculty. A visit to apiculture unit was also organized.

9. Others:

Co-curricular activities such as quiz, seminars were organized for students. Innovative methods such as ICT enabled teaching-learning, games, problem-based learning, question-answer session, experiment based were inculcated in teaching by the faculty members.

Mr. S. T. Pokale
Head of Department