

Department of Zoology



Annual Report 2022-23



Joint Book Reviewer and Joint Book Reviewer

LIST OF ACADEMIC ACTIVITIES ORGANISED BY DEPARTMENT OF ZOOLOGY IN THE
ACADEMIC YEAR 2022-23

SL. NO.	DATE	VENUE	ACTIVITY	NO. OF PARTICIPANTS	BENEFICIARIES
1	05.06.2022	VKRM GHSS Pullut	1. Extended help for the construction of Butterfly Garden	71	Students
			2. Delivered talk on "Awakening Earth: Nurturing a Sustainable Future" by Dr. SHAJI E. M.		Teachers
			3. Distributed host plants for butterfly garden		Parents
2	07.06.2022	KKTM Govt. College, Pullut	Online Quiz programme in connection with the observance of World Food Safety Day - 2022	82	Students
					Teachers
					Non-Teaching -Staff
3	10.06.2022	GLPS, Pullut	1. Talk on "Plastic pollution"	70	Students
			2. Quiz competition based on environmental issues for students		Teachers

					PTA Members
4	15.06.2022	Labour L P School, Pullut	1. Talk on "Plastic pollution"	276	Students
			2. Quiz competition based on environmental issues for students		Teachers
			3. Inauguration of various clubs		PTA Members
5	28.06.2022	Online	Online Quiz programme for HSS Students in connection with the observance of International Anti -Drug Abuse Day - 2022	654	HSS students (all over Kerala)
6	01.07.2022	KKTU Govt. College, Pullut	Pledge by students against the consumption of plastics	28	II B. Sc. Core Student

7	July to October 2022	Department of zoology, KKTM GC, Pullut	Remedial Coaching Programme	13	II & III B.Sc. Students
8	07-12.10.2022	KKTM Govt. College, Pullut	Orientation for I year B.Sc. Students	16	I B.Sc. Zoology
9	19.12.2022	Audio Visual Room, KKTM Govt. College, Pullut	Awareness Programme on IPR, Possessionem 2K22	200	Teachers, Students
10	24.02.2023	Zoology Laboratory,	Science Expo	200	Students at the college
		II B.Sc. Classroom			Students from Govt. Boys HSS Kodungallur
		Corridor of Zoology Dept.			Students of Govt. HSSS, Karuppadanna
		Terrace area In Front of the dept.			Students of Gurusree Public school, Chappara

11	09-12/01/23	Sandy and Rocky Beach ecosystems, Goa	Study tour and Institutional visit	28	III B.Sc. Students
		National Institute of Oceanography, Panaji, Goa			
12	07.02.2023	Department of Entomology, Kerala Agricultural University	Study tour and Institutional visit	68	I, II & III B. Sc. Students
13	08.02.2023	Mangrove forest, Chappara	Field visit	28	III B. Sc. Students

LIST OF EXTRA CURRICULAR ACTIVITIES ORGANISED BY DEPARTMENT OF ZOOLOGY
IN THE ACADEMIC YEAR 2022-23

1	31.08.2023 & 01.09.2023	Department of Zoology	Onam celebration	68	I, II & III B.Sc. Zoology
2	25.12.2022	Zoology Laboratory	Freshers' day	68	I, II & III B.Sc. Zoology
3	21- 23.12.2023	Department of Zoology	Christmas Celebration	68	I, II & III B.Sc. Zoology
4	A periodic event	KKTU Govt. College Campus	Maintenance of Butterfly Garden	68	I, II & III B.Sc. Zoology
5	02.03.2023	Zoology Laboratory	Farewell party to the Final year students	68	I, II & III B.Sc. Zoology

❖ **Environment awareness programme in connection with celebration of World Environmental day**

The Environment Awareness Programme held at V.K Rajan Memorial Higher Secondary School, Pullut On **05.06.2024** in connection with World Environment Day observance, was a collaborative effort by the Department of Zoology, KKTM Govt. College, and KKTM Seeds, an alumni group of the college. The event saw the presence of Municipal Councilor Smt. Anitha Babu, who inaugurated the program, and U.K. Viswanathan, President of KKTM SEEDS, who presided over the event. The program began with a prayer by the school students, followed by introductions and welcoming remarks by Ms. Bini K. H. and Mr. Bulhar C. D., Executive Committee members of KKTM SEEDS. Dr. Shaji E.M., Associate Professor and Head of the Department of Zoology, delivered a talk on "Awakening Earth: Nurturing a Sustainable Future," sharing insights on sustainable practices and guidelines to set up a butterfly garden in the school. An environmentalist and butterfly specialist, Mr. Unni Pattali, also spoke about the significance of butterflies in the environment. The efforts of the school's students and faculty in maintaining the butterfly garden were lauded, and saplings were distributed by the Department of Zoology to inspire further environmental conservation. The event left a positive impact, fostering a sense of responsibility towards environmental protection and promoting a greener mindset in the community.

The Department of Zoology, in collaboration with the Bhoomitra club, organized a successful Environment Awareness Programme at Govt. LP School, Pullut on **10.06.2023**. The event aimed to raise awareness about plastic pollution and responsible waste disposal. The program commenced with an inauguration by Smt. Prameela M.G, the Head Mistress, who highlighted the need for collective efforts in addressing environmental challenges. Ms. Soumya K.C. led the main session, "Plastic Friend or Foe," discussing the impact of plastic on the environment and encouraging plastic reduction. A quiz on plastic pollution reinforced the key points, followed by a practical waste management session by final year B.Sc. students, Anciya M.S., and Midhun C.V. The program received positive feedback, instilling a sense of environmental responsibility, and promoting eco-friendly practices among the

students and staff. Gratitude was extended to Ms. Soumya K. C., Ms. Anciya M.S., and Mr. Midhun C. Vinod for their valuable contributions to the event's success.

The Environment Awareness Programme, organized by the Department of Zoology and the Bhoomitra club at Labour Public School, Pullut, on **15.06.2023**, aimed to spread awareness about plastic pollution. Ms. Soumya K. C., the Assistant Professor of Zoology and Bhoomitra club coordinator, inaugurated the event with a motivating speech, encouraging students to actively preserve the environment. Dr. Seema Menon, another Assistant Professor of Zoology, delivered a compelling presentation on the consequences of plastic pollution on the ecosystem, wildlife, and human health, stressing the importance of eco-friendly practices. The subsequent quiz and practical demonstration on waste segregation and disposal further reinforced the significance of addressing plastic pollution in daily life. The programme received positive feedback and successfully sensitized the participants about environmental protection and reducing plastic waste, with gratitude extended to the coordinators and participants for their valuable efforts.

❖ **Online Quiz Programme in connection with World Food Safety Day**

The Department of Zoology organized an online Quiz program in connection with the observance of World Food Safety Day on **07.06.2022**, which saw a remarkable participation of eighty-two students from various schools of Thrissur District. The event was a great success, bringing together students from various backgrounds to test their knowledge of food safety. After fierce competition, the first prize was clinched by Dr. Vinayasree, Assistant Professor of Physics, Abeesh K. K., Non-teaching staff along with Abhinav Krishna P.V., Vishal, V V, who were final-year BTM students. Their exceptional performance and extensive understanding of the subject matter earned them the top spot. The event not only promoted awareness about food safety but also showcased the intellectual prowess and competitive spirit of the participants.

❖ **Pledge against Single use plastic**

On **01.07.2023**, the students of the Department of Zoology made a pledge against single-use plastic to create a safe environment. They wholeheartedly committed to reducing their plastic consumption and its harmful impact on the environment. During this event, the students gathered together and voiced their determination to use eco-friendly alternatives and promote sustainable practices. They understood the importance of protecting wildlife

and ecosystems from the devastating effects of plastic pollution, and their united efforts aimed to make a positive change for a greener and cleaner future.

❖ Remedial Coaching Programme

In the academic year 2022-2023, the Department of Zoology successfully conducted a remedial coaching programme to provide additional support to students. The programme consisted of 50 hours of remedial classes, aimed at helping students improve their understanding and performance in zoology. The coaching programme was structured to address specific topics and concepts that students found challenging. Under the guidance of experienced faculty members, Dr. Shaji E.M., Mr. Prasad NK, Ms. Soumya K.C., and Dr. Seema Menon, the remedial classes were conducted regularly.

Periodic assessments were an integral part of the programme to monitor students' progress. These assessments enabled the faculty members to identify areas of improvement and tailor the coaching sessions accordingly. The students' performance was carefully recorded and tracked to assess their individual growth throughout the programme. The faculty members played a crucial role in providing effective remedial coaching who employed various teaching strategies and techniques to ensure students grasped the concepts thoroughly. They created a supportive and engaging learning environment, encouraging active participation and addressing individual doubts and queries.

The remedial coaching programme yielded positive outcomes, as students showed notable progress in their understanding and performance in zoology. Many students reported feeling more confident and equipped to tackle challenging topics. The success of the programme can be attributed to the dedicated efforts of the faculty members and the commitment shown by the participating students.

The remedial coaching programme conducted by the Department of Zoology during the academic year 2022-2023 was a valuable initiative. Eight final year students and five second year students were selected for the programme based on their marks in previous semesters as well as in internal assessment tests. The 50 hours of coaching, periodic assessments, and diligent record-keeping ensured a structured and effective learning experience. The faculty members' expertise and commitment played a vital role in helping students overcome

difficulties and achieve academic growth in zoology. The remedial coaching programme proved to be instrumental in supporting students' learning needs and fostering their success in the subject.

❖ **Orientation Programme for I B.Sc. Students**

The college successfully conducted an orientation program for first-year students from **October 7, 2022, to October 12, 2022**, which included sessions led by experts from various fields. These sessions aimed to familiarize the students with the college's facilities and services, ensuring a seamless transition into their academic journey. Additionally, a specialized bridge course was organized for B.Sc. Zoology students, helping them grasp the essential concepts of the program. The students' feedback was overwhelmingly positive, reflecting their increased confidence and enthusiasm in utilizing the college's resources effectively. Overall, the orientation program proved to be a valuable and comprehensive experience, setting the students on a path towards academic success and personal growth.

❖ **Awareness Programme on IPR, Possessionem 2K22**

On **19.12. 2022**, the Department of Zoology at KKTU Govt. College, Pullut, organized an IPR awareness programme called "Possessionem 2K22" in collaboration with IQAC. The event aimed to raise awareness about intellectual property rights among students. Mr. Prasad N. K., the Programme Coordinator, and Dr. Shaji E. M., HoD of Zoology, along with Dr. Remani, HoD of History, Dr. Sujathan P. K., IQAC Coordinator, and Dr. Seema Menon, Assistant Professor of Zoology, extended their best wishes. The keynote speaker, Ms. Lavanya Maddhuri, a Patent Officer from the Indian Patent Office in Chennai, highlighted the significance of intellectual property and shared examples like Facebook's transformation to Meta to underscore its importance. Ms. Maddhuri discussed the Indian Patent Act of 1970, patented items in a Galaxy S2 smartphone, disputes over patents, and the essence of Intellectual Property (IP). She provided insights into global patent filing rankings and the increasing number of patent applications in India. Explaining trademarks and copyrights with simple illustrations, she detailed the patent filing procedures and various patent offices in India. The interactive session allowed students to clarify doubts, making the programme highly informative and beneficial for their future roles as responsible citizens. The event concluded with a vote of thanks from Ms. Parvathi Sreelan, a second-year Zoology student.

❖ **Science Expo**

Department of Zoology wholeheartedly participated in the Science Expo organised by KKTU Government College on **24.02.2023**. The Museum of Preserved Specimens at KKTU Government College, Pullut, left a lasting impression on visitors with its remarkable collection of well-preserved animals, providing a captivating glimpse into the diverse world of Zoology. The carefully arranged glass cases showcased an extensive range of specimens, from tiny Sponge, Cnidarians, insects, and reptiles to majestic mammals and birds, offering attendees an opportunity to closely observe the intricate details of each creature's anatomy and characteristics. Accompanying labels provided valuable information about the species, including their habitats, behaviors, and ecological significance, making the exhibition not only visually appealing but also educational.

The exhibition proved to be a valuable learning experience for both students and guests, as it piqued their curiosity and encouraged discussions about various aspects of zoology and the natural world. The event also emphasized the crucial importance of preserving biodiversity and understanding the role of each species in maintaining ecological balance. In addition to the preserved specimens, the Science Expo featured other engaging sections, such as the Biomolecules display with models and interactive explanations, a thrilling Zoology Quiz Show that tested participants' knowledge, a Health Corner offering various services, and an innovative Model Terrace Garden with insights into biodiversity conservation. The overall success of the event was evident in the admiration it received from students, teachers, and guests alike, and it served as a fantastic platform for the exchange of knowledge and ideas related to zoology, promoting scientific education and awareness. The organizers expressed their gratitude to all involved and hoped that such expos would continue to inspire and nurture a passion for science and nature among future generations.

❖ **Study tour and Field visits**

During the final year study tour to Goa from **January 9th to January 12th, 2023**, the students had the opportunity to visit the prestigious National Institute of Oceanography, Goa. During their visit, they were able to explore and study the diverse marine ecosystem of Goa. One of the highlights was our field trip to the rocky and sandy beaches of Goa, where they collected various specimens for further examination and research. The experience of observing and gathering samples from these unique coastal habitats was both fascinating

and educational. The trip not only enriched their understanding of marine life but also provided them with valuable hands-on experience in the field of oceanography.

On February 7, 2023, all the students of I, II, and III B.Sc. had an enriching visit to the Department of Entomology at Kerala Agricultural University, Mannuthy. The visit was organized as part of an educational excursion to enhance our understanding of entomology and insect sciences. Upon arrival, the team was warmly welcomed by the faculty and researchers at the department. They provided the students with an insightful introduction to the world of insects, their importance in agriculture, and their ecological roles. They were then taken on a comprehensive tour of the department's research facilities and laboratories, where we had the chance to witness various ongoing entomological studies and experiments.

Additionally, the faculty shared their expertise and demonstrated different methods of insect specimen collection, preservation, and identification. This hands-on experience allowed us to appreciate the complexities of insect taxonomy and research. The visit also included interactive sessions, where the students could ask questions and engage in discussions with the experts, further deepening our knowledge.

Furthermore, we were given the opportunity to witness a live demonstration of integrated pest management techniques, highlighting the significance of sustainable practices in agriculture. A live demonstration of apiculture practices and honey harvesting was also another highlight of the institutional visit.

During the field visit on **08.02.203**, III B.Sc. students visited a mangrove forest near Thachappilly bridge as part of their curriculum. They had the opportunity to observe the diverse plant and animal life in the mangrove ecosystem and understand its ecological significance. The students learned about the various adaptations of the species living in this environment and studied the importance of mangroves in supporting local fisheries and acting as nurseries for marine organisms. Additionally, they were able to grasp the role of mangroves in carbon sequestration and their significance in protecting coastlines from erosion and storms. The hands-on experience and practical knowledge gained during this trip enriched their understanding of ecological concepts and emphasized the importance of conservation efforts in preserving these unique ecosystems.

❖ **Freshers Day Programme**

Freshers' Day was held on December 25, 2022, to warmly welcome the new batch of IB. Sc. students. The event was filled with excitement and anticipation as the first-year students were introduced to their college environment, faculty, and fellow students. Various engaging activities, games, and cultural performances were organized to foster a sense of camaraderie and encourage the newcomers to embrace their academic journey ahead.

❖ **Maintenance and Protection of Butterfly Garden in the campus**

KTM Government College Zoology Department successfully maintained and protected the Butterfly Garden established by the department utilizing financial aid from the Govt. of Kerala and in collaboration with KKTU SEEDS, an Alumni Group of the college. The project involved the active participation of students from the department and members of KKTU Seeds. The KTM Alumni generously provided financial support and supplied saplings for the garden. During the project, students received expert guidance from the KKTU Seeds members, who helped them with the maintenance tasks. The students worked diligently to water, weed, and prune the garden, ensuring a suitable habitat for butterflies.

The Butterfly Garden became a delightful attraction for students, faculty members, and visitors. Its vibrant colours and the graceful presence of butterflies brought joy and wonder to everyone who visited. The project received positive feedback from all those who experienced the garden. Many expressed their appreciation for the efforts of students, alumni and the faculty and recognized the garden as a valuable asset to the college community. The maintenance and protection of the Butterfly Garden at the KTM Government College Zoology Department was a successful endeavor. The collaborative efforts of the students, KKTU Seeds members, and the support from the KTM Alumni contributed to its success. The Butterfly Garden stands as a beautiful reminder of the importance of conserving nature and its diverse species.

❖ **Onam and Christmas Celebrations**

The Onam celebration on **31st August 2022 and 1st September 2022** was a grand and joyous affair, filled with colorful festivities and cultural revelry. The vibrant streets were adorned with beautiful floral rangolis, and people donned traditional attire as they participated in various events and activities. Sumptuous feasts featuring delicious Onam delicacies like sadya (a traditional meal served on a banana leaf) were shared among family and friends. Folk dances, music performances, and boat races added to the exuberant atmosphere, creating a sense of unity and joy among the people. The entire community came together to commemorate this cherished festival, making it a truly memorable and heartwarming experience for everyone involved.

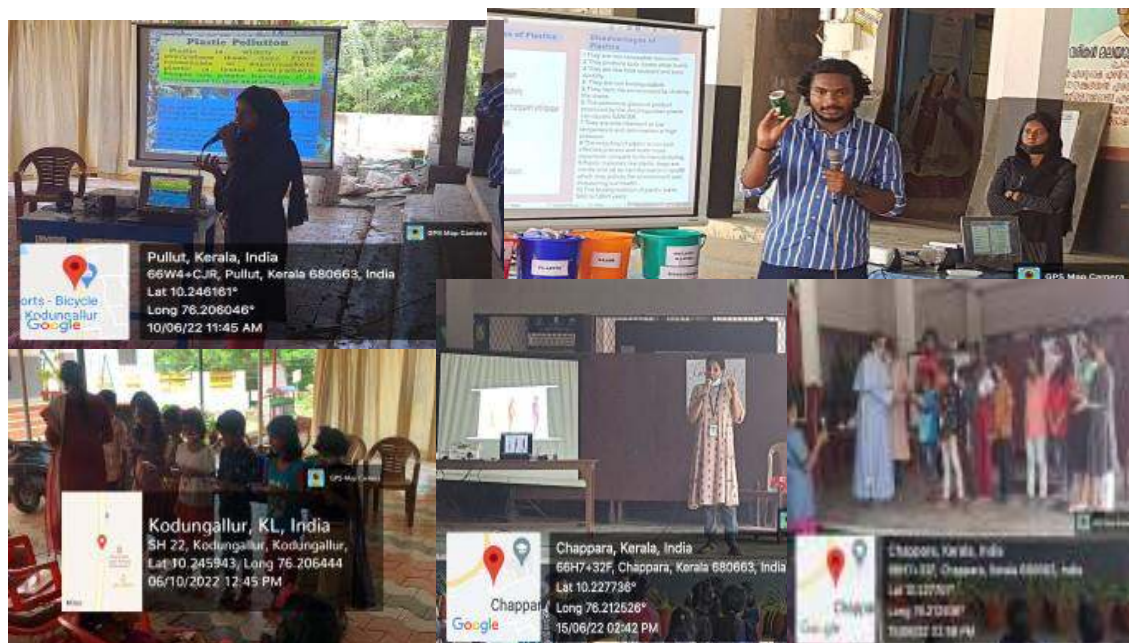
The Christmas celebration from **December 21 to December 23, 2023**, was a joyous and festive event. The entire community came together to embrace the holiday spirit, spreading warmth and cheer. Colorful lights adorned the streets, and homes were beautifully decorated with twinkling ornaments and Christmas trees. Families and friends gathered to exchange gifts and share delicious meals, creating precious memories that would be cherished for years to come. The sound of carolers singing filled the air, and everyone participated in various holiday-themed activities, such as making gingerbread houses and watching classic Christmas movies. It was truly a magical time that brought people closer, fostering a strong sense of unity and love during the holiday season.

❖ **Farewell party for the Final B.Sc. Students**

On **March 2, 2022**, a heartfelt Farewell Programme was organized to bid adieu to the final year B.Sc. students as they reached the culmination of their college journey. The atmosphere was a mix of nostalgia and celebration as the departing students reminisced about their experiences and shared fond memories with their friends and teachers. Heartfelt speeches and

emotional expressions marked the event, making it a memorable and touching farewell for the outgoing batch.

Environment Awareness Programmes



Taking Pledge against single use Plastic

