

## Annual Report 2018-19



**Submitted by**



**Department of Zoology, KKTU Govt. College, Pullut.**

## **Department of Zoology Annual Report 2018-19**

### **Observance of World Environment Day**

Date of the Programme: 5th June 2018

Time: 10 am to 1 pm

Venue: Zoology laboratory

Theme: 'BEAT PLASTIC POLLUTION'

Organizers: Dept. of Zoology, KKTU Govt. College, Pullut & Bhoomitra club

The Department of Zoology of KKTU Govt. College, Pullut observed the World Environment Day on June 5, 2018, at KKTU Government college, Pullut. The programme commenced through a prayer by the students Aswathi A.R and Fathima Riswana K.S of Zoology department. Ms. Soumya K.C, Assistant professor, Department of Zoology welcomed the gathering. Mr. Shihabudeen A.S, HoD of Zoology Department delivered the presidential address. The programme was inaugurated by Dr. Anitha I, Principal of KKTU Government college, Pullut. To mark the occasion, saplings were handed over to the students at the college by Shihabudeen. Sandeep Das, EDGE fellow KFRI, Thrissur, Amphibian specialist, Batracologist did a talk on the topic 'how to prevent plastic pollution'. Dr. Nesy E.A, Vice Principal, KKTU Government college, felicitated over the function. 17 School students, teachers, etc. participated in the function. The programme ended with Vote of thanks by Dr. Smitha S.L., Assistant professor (Ad hoc).

### **Seminar on Research Methodology**

"Being passionately curious: what does it mean- some basic concepts of research in Science".

Date: 02.11.2018

Time: 9:30am to 12:30pm

Venue: Zoology laboratory

Theme: Introduction to Research Methodology

The Department of Zoology, KKTU Govt. College, Pullut, Thrissur organized a talk on “Being Passionately Curious” Awareness programme on Research Methodology for Science UG Students on November 2, 2018, 9:30am to 12:30pm. The programme was inaugurated by Dr. Muralidharan K Nair, Principal, KKTU Govt. College, Pullut. Mr. Shihabudeen A S, HoD, Dept. of Zoology co-ordinated the programme. Ms. Soumya K C, Assistant Professor of the Department welcomed the gathering. Dr. Bijoy C, Assistant Professor, Christ College (Autonomous), Irinjalakuda, Thrissur, was the resource person. He delivered a talk on “Being passionately curious: what does it mean?”. He opined that being curious is the key factor for true research. The actual research begins from the questions that arise from curious observation. He also talked about the various methodologies that has been adopted in true scientific research as well as the ethics that a true researcher should follow. Mr Prasad N K, Assistant professor of the Department, proposed the vote of thanks.

### **Zoology Association Inauguration**

Venue: Zoology Lab

Date:02.11.2018

Time: 1: 30 pm -3: 30 pm

On 02.11.2018, the Zoology Association of KKTU Govt. College, Pullut, marked a significant milestone with its inaugural event. The inauguration was graced by the presence of Dr. Bijoy C, Assistant Professor from the Department of Zoology, Christ College, Irinjalakkuda.

The event commenced at 1:30 pm in the Zoology laboratory, creating an environment of anticipation and enthusiasm among attendees. The inauguration was kicked off with the lighting of the ceremonial lamp by Dr. Bijoy C, symbolizing the illumination of knowledge and the beginning of the association's journey.

The welcome address was delivered by Ajay C, the Association Secretary. In his speech, Ajay highlighted the importance of the Zoology Association as a platform for students to engage, learn, and contribute to the field of zoology. He expressed gratitude to the faculty and students for their support in making the association a reality.

The highlight of the event was the insightful talk delivered by Dr. Bijoy C on the topic "New Arenas of Zoological Exploration." Dr. Bijoy's extensive experience in the field shone through as he discussed the various avenues for research within zoology, emphasizing the significance of exploring uncharted territories. His talk ignited a spark of curiosity among the attendees and inspired them to delve deeper into the subject.

Following the talk, Anciya Antony, a final-year B.Sc. student, extended the vote of thanks. She expressed gratitude to Dr. Bijoy for sharing his knowledge and insights, as well as to the college faculty, students, and everyone who contributed to the success of the inauguration.

The event concluded at 3:30 pm, leaving participants enriched with knowledge and inspired to actively participate in the Zoology Association's upcoming activities and initiatives. The inauguration not only marked the beginning of an academic association but also emphasized the importance of collaboration, learning, and growth in the field of zoology.

### **Exploring Nature's Wonders: Field Visits**

During the period of December 4th to December 8th, 2018, the final year B.Sc. Zoology students of the academic year 2018-19 embarked on an enriching study tour to Mysore and Coorg. This educational excursion offered students the opportunity to gain practical insights into their field of study while also expanding their knowledge horizons. The group visited several notable institutions, including the Central Sericulture Research and Training Institute in Mysore and the Department of Entomology at TNAU, Coimbatore.

Under the guidance and supervision of Mr. Shihabudeen A.S., Assistant Professor & Head of the Department of Zoology, and Dr. Subila, Assistant Professor of Chemistry, the students were able to interact directly with experts and researchers in the field of entomology and related subjects. The visit to the Central Sericultural Institute provided a unique understanding of sericulture and its importance in the region, while the visit to the Department of Entomology at TNAU, Coimbatore, exposed the students to cutting-edge research and advancements in the study of insects and their significance in various ecosystems. This study tour not only enhanced the students' academic knowledge but also fostered a sense of curiosity and enthusiasm for their chosen field.

The study tour undertaken by the final year B.Sc. Zoology students of the academic year 2018-19 to Mysore and Coorg proved to be an invaluable experience. The exposure to renowned institutions and the insightful guidance of the faculty members enriched the students' understanding of their field of study. This endeavour undoubtedly contributed to the holistic development of the students, equipping them with practical knowledge and inspiring them to further explore the diverse realms of zoology and related sciences.

### **International Seminar: “Exploring New Horizons In Medical Research”**

Date of the Programme: 17/01/ 2019

Time: 09:00 am- 4:30 pm

Venue: KKTM Govt. College, Seminar HALL

Theme: ‘New Arenas of Medical Research’

Human beings have always been in search of some remedies for their ailments. In this venture, they explored every nook and corner of the planet to find potential 'medicines.' This search took new perspectives and dimensions with the advent of physical sciences and engineering branches. Bio medical engineering put forth many technologies to health care sector so that not only treatment but also prediction of the so-called ailments became

possible. Department of Zoology planned and executed one day international seminar on “EXPLORING NEW HORIZONS IN MEDICAL RESEARCH” with the purpose of acquainting faculty, research scholars and students with the latest arenas and approaches in medical research. Thrust area of the programme was Tissue engineering. Participants included one batch each of M.sc. Zoology students from S N College Nattika and Sree Kerala Varma College Thrissur, 21 outstation participants(faculty) from various institutions, teachers from other departments of KKTU, research scholars from renowned institutions, and of course UG students of our own department. The Programme began with a soulful prayer by Aiswarya, III year B. Sc . Zoology Student, soliciting the blessings of almighty. Mr. Shaji E M, Assistant Professor of Zoology introduced the theme and extended a warm welcome to all the participants. Respected Principal Dr. Anitha I. inaugurated the ceremony by unveiling the banner carrying the theme. In her inaugural speech, she emphasized on the need for hardcore research in interdisciplinary approach. Dr. Nesy E. A., Vice Principal, and Mr. Ullas M.A., Staff advisor blessed the occasion with their valuable messages. The formal concluding remarks of inaugural session was given by Mr. Shihabudeen A.S., Co-ordinator of the programme by extending vote of thanks to all and sundry. After a short tea break, we moved on to the first technical session, by Dr. Sini S., SERB National Post Doctoral Fellow, CSIR IIIT, Agro-processing and Technology Division, Thiruvananthapuram and the topic of her presentation was Dysfunctional HDL: A recent diagnostic and therapeutic target in medical research. It was a highly thought-provoking session. At the end, Mr. Shaji E M, handed over a memento to the speaker as a token of appreciation. Second Technical Session was led by Dr. Renjith P. Nair, Scientist ‘C’, Department of Applied Biology, Division of Thrombosis Research, SCTIMST, Thiruvananthapuram on the topic Tissue Engineering strategies for Diabetic Wound healing. During his session, he opened a novel world of diabetes research. The speaker was handed over a memento by Mr. Thilakan, Asst. Professor of Chemistry, KKTU Govt. College. We enjoyed having a delicious, but of course, nutritious vegetarian lunch together with the dignitaries. III Technical session was handled by Dr. Finosh G. Thankam,

Post Doctoral researcher, Clinical and translational Sciences, Creighton University, USA., on the topic Molecular pathology, Inflammation and mitochondrial dysfunction in tendon regeneration. He could capture the attention of the audience by his highly dynamic presentation. At the end, Mr. Prasad N K ,Asst. Professor of Zoology , handed over a memento to the speaker as a token of appreciation. IV Technical session was by Dr. Raghu K.G., Principal Scientist & HOD, CSIR NIIST, Agro processing and Technology Division, Thiruvananthapuram, on Role of mitochondria in the genesis of various diseases. He vividly explained how mitochondrial morphology and number are correlated with various disorders. Our token of appreciation, a memento was handed over to him by Miss Sini Francis, Guest Lecturer of Zoology. As, we were running short of time, the valedictory session was abbreviated as a formal vote of thanks by Mrs. Soumya K.C., Asst. Professor of Zoology. We are highly obliged to the following in extending help / services for the successful completion of the event; Directorate of Collegiate Education – financial aid, Respected Principal Ma'am- support and encouragement, Resource persons- sparing valuable time to enlighten us, Members of teaching fraternity- for their presence , students and research scholars- for participation . Supporting staff and office staff- for overall support and co – operation. Special thanks to Mrs. Soumya for her valuable efforts and involvement in this endeavour.

### **Wetland day celebration 2018-19**

Wetland day celebration 2018-19

Date of the Programme: 05/02/ 2019

Time: 1:00 pm- 4:00 pm

Venue: KKTm Govt. College, Zoology laboratory

Theme: 'Wetlands and climate change'

Organizers: Dept. of Zoology and Botany, KKTm Govt. College, Pullut & Bhoomitra Club

The Department of Zoology of KKTU Govt. Pullut observed the World wetland day on 5, February 2019, at Zoology laboratory, KKTU government College in collaboration with Bhoomitra club, KKTU College. The programme commenced through a prayer by the students. Dr. Nesy EA presided over the function Mr. Shihabudeen AS, Assistant Professor of Zoology introduced the significance of observing Environment Day to the gathering during his welcome speech. The programme was inaugurated by Dr. Anitha I, the Ward Councillor. To mark the occasion, saplings were handed over to the students of the school by Dr Shaji E. M., HoD, Dept. of Zoology, KKTU Govt. College. Ms. Preethi CM, Research scholar Dept of Marine Biology CUSAT handled a session on the topic 'MANGROOVES: NEED FOR CONSERVATION'. Mr. Unni Pattali, an Environmentalist and well-known butterfly specialist, did a talk on the topic 'Significance of butterflies in our environment. Dr. Jaseela Fathima, IQAC Coordinator, Mr Noushad PTA vice president felicitated the function. Ms. Soumya KC proposed the vote of thanks. 25 School students, S, PTA executive members, teachers, Students of dept of zoology and Botany etc. participated in the function.

### **Tutorial programmes**

Tutorial programmes are routinely carried out by the department. For these concerned tutors select the needy students from their classes and discuss selected topics and provide study materials including model questions, condensed notes, mnemonics for essay type questions, etc. The programme is usually charted to half an hour following the class hours. Supervised study and peer teaching are also carried out to improve the efficacy of this programme. All students of the department received the benefit of this programme.

### **WWS & SSP programmes**

Both SSP and WWS programmes are offered for selected students of each batch. Students are selected on both the basis of conditions set by the



programme designers and to certain extent on readiness of the learner. During 2017 – 2018, the departmental coordinators for both these programmes were Mr. Prasad N K, Dr. Smitha S.L., and Mrs. Soumya K. C. They engaged the required number of sessions as set by the college level coordinators. External mentoring sessions of centralized nature were carried out by the college coordinators on Saturdays and public holidays. For internal mentoring sessions, sessions on self-introduction, soft skills, mock interviews, public speaking, spoken English, positive gestures and body language, tips for making power point presentations more effective, etc. were chosen and implemented.

### **Cultural Events**

The department is not only dedicated to the study and academic activities but also actively engages in fostering a sense of community and cultural exchange among its members. This was evident through the cultural activities organized by the Association and the department, which included a modest Onam celebration on August 29 the happiness which was a little faded due to the severe flood that affected Kera and festive Christmas celebration on December 22, 2018. These events brought together students, faculty, and guests in a spirit of unity and camaraderie, transcending academic boundaries. The Onam celebration showcased the rich cultural heritage of Kerala through traditional dances, music, and sumptuous feasting, capturing the essence of this important festival. Similarly, the Christmas celebration infused the campus with a festive atmosphere, featuring carol singing, decorations, and a joyful exchange of greetings. These cultural activities not only added colour and vibrancy to the academic environment but also emphasized the importance of celebrating diversity and traditions within the campus.



Dept. of Zoology  
Study Tour- 2018-2019



Being passionately curious what does it mean.....





## Inauguration of Zoology Association



Principal Dr. Anitha I Planting  
saplings as part of Environmental  
day celebration





International Seminar on Exploring New Horizons in Medical Research





