

**DEPARTMENT OF ZOOLOGY**  
**DEPARTMENT ACTIVITIES FROM MAY 2020 TO JUNE 2021**

**FACULTY DEVELOPMENT PROGRAM**

- On **23.05.2020** a Faculty Development Program on the topic “**Building A Predictive Understanding of Microbial Communities**” was organized. **Dr. Rajiv Periyakaruppan**, Post-Doctoral Research Fellow, Tea Research Institute, **Nanjing Agricultural University, China** and **Dr. S. Sathishkumar**, Post-Doctoral Research Fellow, Key Laboratory of Integrated Regulations and Resource Development of Shallow Lake, College of Environment, **Hohai University, Nanjing, China** were the resource persons.

**WEBINAR SERIES**

- On 15.07.2020, a Webinar in Animal Science I on the topic “**Exploration of Biochemical &Molecular perspectives in Life**” was organized. **Dr. Horne Iona Averal**, Dean of Sciences, Associate Professor in Zoology, Holy Cross, Trichy, spoke on the topic “**Tailoring of Pheromone biosynthesis and hydrocarbon Characterization in India**”. **Dr. Annie Jaya Christy**, Deputy Director, Research Coordinator, Faculty of Medicine, AIMST University, Semeling-08 100, Bedong, Kedah Darul Aman, Malaysia was the resource person for “**Micro RNAs in diagnostics and Therapeutics**”.
- Webinar Animal Science-II “**Challenges for water resources sustenance**” was organized on 29.07.2020. **Dr.P.Santhanam**, Associate Professor, Department of Marine science, Bharathidasan University, Trichy was the resource person addressed the gathering on the topic “**Integrated Recirculating aquaponics system: A New Avenue Towards Sustainable Aquaculture Production and water Conservation**”. **Dr. Dmitry Lajus**, Associate professor, Department of Ichthyology, Faculty of Biology and soil Sciences, St. Petersburg State University of Russia was the resource person for “**The use of Fluctuating Asymmetry of water Pollution on Aquatic organisms**”. **680** students and faculty participated.

- **“Sustenance of aquaculture Practices Via new Technologies”** Webinar Animal Science-III was conducted on 29.07.2020. **Dr. S. Bragadeeswaran**, Deputy Director of Research and Development, Associate Professor, CAS Marine Biology, Parangipettai, Tamil Nadu was the resource person for the topic **“Improving Resilience of Aquaculture and capacity of Fisheries - An economic development”**. **Dr. N. Inayathullah Neyasudheen**, Operational Farm Manager, Island Prawn Company, Saudi, Jeddah Saudi Arabia was the resource person for the topic **“Recent Technologies in Global Aquaculture and its development to fulfil human needs”**.
- Webinar IV on the topic **“Environmental Impact Assessment”** was held on 02.09.2020 and the resource person was **Mr. D. Kalidasan**, President, OSAI Environmental Organisation Tatabad, Coimbatore.

## ZOOLOGY ASSOCIATION

- **Zoology Association Inaugural** was held on **07.08.2020** on the topic **“Entrepreneurship for Zoology students”**, **Dr.S.Subashini**, Assistant Professor, Department of Zoology, ArulmiguPalaniandavar Arts College for Women, Palani.
- **Zoology Association Guest lecture-II** was held on the topic **“Prospects of Eco friendly Organic aquapound System and Challenges in India “on 14.08.2020. The resource person was Dr.S.Raja**, Assistant Professor, Kongunadu Arts and Science College, Coimbatore.
- On **09.09.2020**, the **Zoology Association Guest Lecture- III** was organized on the topic **“Environmental Resource Management”**. **Dr. S. Ginil Mon**, Assistant Professor, Nesamony Memorial Christian College, Marthandam was the resource person.
- **Dr.N.Senthil Kumar, Scientist – E, Phytochemistry Department, Institute of Forest Genetics and tree Breeding, Coimbatore** was the resource person for the topic **“Prospects of Antiviral compounds from medicinal plants for ongoing SARS CoV2 pandemic”** guest lecture of zoology association IV on 20.10.2020.
- **Dr.S.Binu Kumari**, Assistant Professor, Department of Zoology, KongunaduArts and Science College, Coimbatore was the resource person and delivered lecture on the topic **“Water Quality – A Priority for Successful Aquaculture”** on 04.12.2020.

- On 20.02.21, **Dr. Kumar Ponnuchamy**, Assistant Professor Department of animal health and management, Alagappa university, karaikudi addressed the gathering on the topic **Menace of microplastics**.
- On 12.03.21, **Dr.R. Krishnamurthy** , Assistant Professor, PG and Research department of Zoology and Aquaculture , Govt Arts college, Nandhanam, Chennai – 35 spoke on the topic **Hydroponics – An innovative Agritechology for sustainable future**.
- On 14.06.2021 **Dr.N.Marimuthu, Scientist D** and Officer –in-charge( General Non- chordata section), Zoological survey of India, Ministry of Environment, Forest and Climate change), Kolkata, India addressed the gathering on the topic **Research methods on Reef Restoration process**.

## **ECOCLUB**

- **Eco Club Inaugural** was held on 04.08.2020 and the topic “**Desert Locust**” was addressed by **Dr. B. A. Daniel**, scientist/chairman of Zoo Outreach Organization, IUCN SSC South Asian Invertebrate Specialist Group of Education Coordinator, ZEN, Coimbatore.**78 students and faculty** participated in the Inaugural.
- The topic “**Tiger in different landscapes of India**”, **Eco Club Guest Lecture II** was held on 13.08.2020. **Mr. S. Deepan Chackravarthy**, Wildlife Biologist and Conservationist of Wildlife Institute of India, Ministry of Environment Forest and Climate Change Government of India was the resource person of the guest Lecture. **70 participants** participated in the event.
- On **09.10.2020 in commemoration of Wild life week the Guest Lecture III** was conducted on the topic “**Wild life Heritage in India**”. Mr. P.Kathirvel, IFS Officer, Conservator of Forest, Institute of Forest Genetics and Tree Breeding Coimbatore, was the resource person. On 06.11.20 a guest lecture on “**Bioremediation**” was organized. The Resource person was **Dr.Clara Gunapoorani Sargunar**, Associate Professor, Department of Zoology, Government arts College, Coimbatore.
- **Dr.D.Prabha**, Assistant Professor, Department of Environmental Sciences, Bharathiar University, spoke on the topic “**Bioremediation for Environmental Restoration**” on 07.12.2020.

- On 13.02.2021, **Dr.S.Davidraj, Assistant Forest Ranger (Retd)** and Marine Turtle protection Trust – Chairman, Chennai, delivered a talk on the topic “**Students participation in Eco development**”.
- On 15.03..21, **Dr. RajeshKumar** , Assistant Professor Department of Zoology, Kongunadu Arts and Science college, Coimbatore addressed the gathering on the topic “ **Heavy metal contamination of Global Environment**”.
- On 18.06.2021, **Dr.Vaithianathan Kannan**, Wildlife Biologist, Sathyamangalam Tiger Conservation Foundation Tamilandu Trust, Erode delivered a talk on the topic **Monitoring Elephants**.

**SCIENCE ACADEMIES VIRTUAL LECTURE WORKSHOP ON  
“INNOVATIONS AND RELEVANCE OF BIOTECHNOLOGY”**

- On 07.01.2021, **Prof. Dr. Edathil Vijayan FNASc**, President, Society for Biotechnologists, India (SBTI) delivered a lecture on the topic **Disruptive technologies capable of changing our world. Prof. Dr. Premendu P. Mathur Vice Chancellor, Birla Global University, Gothapatna, Bhubaneswar, Odisha** spoke on the topic **Bioinformatics for drug designing. Prof. Dr. Desirazu N. Rao**, Department of Biochemistry, Indian Institute of Science, Bangalore gave a talk on the topic **Designer Enzymes and Restriction Enzymes ushered in the Biotechnology Revolution.**
- 08.01.2021, **Prof. Dr. Sandhya S. Visweswariah**, Department of Molecular Reproduction, Development and Genetics, Co-Chair, Centre for Biosystems Science and Engineering Biological Sciences, Indian Institute of Science, Bangalore delivered a talk on the topic **Gut instincts and Gut reactions: The Gut Microbiome: the largest organ in the body &Gut instincts and Gut reactions: The role of cyclic GMP in gut function. Prof. Dr.Rama S. Verma** , Stem Cell and Molecular Biology laboratory Bhupat and Jyoti Mehta, School of Biosciences, Department of Biotechnology, Indian Institute of Technology Madras spoke on the topic **Stem cell banking and its role in Human healthcare& Artificial organs: How to fabricate?**

## **DBT SPONSORED SEMINAR**

- On 17.03.2021 a seminar was organised on the topic **Frontiers In Marine Resources, Biotechnology & Conservation** funded under **DBT Star college scheme**, Government of India. **Dr. Dilip Kumar Jha, Scientist**, National Institute of Ocean Technology, Ministry of Earth Science, Chennai, Tamil Nadu, India addressed the gathering on the topic : **Marine Resources, Conservation and Management . DR. P. Santhanam , Associate Professor**, Department of Marine Science, Marine Planktonology & Aquaculture Laboratory Bharathidasan University , Tiruchirappalli, Tamil Nadu delivered the lecture on the topic **Marine Bioresources: Status, Constraints & The Way Forward. Dr. Aravind.R Scientist**, Crustacean Culture Division, ICAR-Central Institute Of Brackish water Aquaculture, Santhome High Road, MRC Nagar, Chennai, Tamil Nadu spoke on the topic : **Brackishwater Aquaculture Scenario In India With Special Reference to Shrimp Farming in India.**
- On 17.05.2021 a **National seminar** was organised on the topic **Waste Management Strategies in India** funded under **DBT Star college scheme, Government of India. Dr. Sunil Kumar, Senior Principal Scientist**, Waste Reprocessing Division, CSIR- National Environmental Engineering Research Institute , Maharashtra, India addressed the gathering on the topic : **Solid Waste Management Strategies in India. Dr.M.Karthick, Principal Scientist, Environment impact and Sustainability Division**, CSIR- National Environmental Engineering Research Institute , Maharashtra, India delivered the lecture on the topic **Waste water Recycling : Technologies, Laws and Trends. Dr.K.P.Bhuvana, Scientist**, CIPET, Advanced Research School for Technology and Product Simulation (ARSTPS), Ministry of chemicals and fertilizers, Chennai addressed the gathering on the topic : **Plastic waste Management : Strategies and Technologies.**

## **INTERNSHIP**

- From **07.09.2020 to 22.09.2020** a **Virtual Internship Training Program on “Databases, Analysis of sequences, Phylogenetic tree construction, Molecular modeling and Drug target identification”** was organized for II M. Sc. Students to improve their skills in

Bioinformatics. Mr M Santhosh, Bioinformatics Analyst was the Technical Trainer and K Santhosh Kumar, Technical Head, Accent Techno Soft trained 28 students.

- From 10.05.2021 to 29.05.2021 **online Internship program** was organized for **I M.Sc Zoology students on Gene structure Prediction, Molecular modelling and Drug target identification**. 17 students participated in the Virtual internship program conducted by Dr.Vijay and Dr.Geetha Lakshmi, **BioXplora**, Coimbatore and 1 student participated in the internship program organised by the **Sericulture unit at Coonoor**.

## **WORKSHOP**

- Workshop on “**Implementation of Genomic & Proteomic Tools for Beginners**” was organized on 16.10.2020 and 17.10.2020. Dr.R. Prathiviraj, DST –SERB- NPDF, Department of Microbiology, Pondicherry University, Puducherry, was the resource person.
- From 18.05.2021 to 20.05.2021 **Online Workshop on Environmental Biology and Developmental Biology** was organised under **DBT star college scheme for II B.Sc Zoology students**. Dr. R. Raganathan, Centre for Bioscience and Nanoscience Research (CBNR), Coimbatore was Resource person.
- From 12.05.2021 to 15.05.2021 **Workshop on Biochemistry, Molecular biology, Biotechnology and Immunology** was organised under **DBT star college scheme for II B.Sc Zoology students**. Dr. R. Raganathan, Centre for Bioscience and Nanoscience Research (CBNR), Coimbatore was the Resource person.
- On 04.06.2021 **Workshop on A Venture into Incubation centers and Start ups for Lifesciences** was organized Mr. Piyush Padmanabhan, CEO, Co- founder, Director, Next Big Innovation Labs, Bangalore gave a talk on Bioentrepreneurship in India. Mr.Chriswin Saimon, Scientist, Next Big Innovation Labs, Bangalore addressed the gathering on the topic Research in Deeptech Biotech Startups. Ms.Anubha Mehra, Sr.Executive- Business and Marketing, Next Big Innovation Labs, Bangalore spoke on the topic Branding for startups.

### **CERTIFICATE COURSE**

- From 24.05.2021 to 04.06.2021 **certificate course (15Hrs) on Corel Draw was organised under DBT star college scheme for I B.Sc Zoology students.** Mrs. Mythili, CMT Academy, Coimbatore was the Resource person.

### **HANDS ON TRAINING**

From 18.05.2021 to 22.05.2021 Hands on training in Bioinformatics was organized for II B.Sc Zoology students **under DBT star college scheme in collaboration with Accent Techno soft, Coimbatore.**

### **SYMPOSIUM**

On 24.06.2021- a symposium was organized on the topic - **Perspectives of wildlife management in India, Dr.C.Ramesh, Scientist C,** Department of Population management capture and rehabilitation, Wildlife Institute of India, Dehradun, India delivered a talk on **Human- wildlife conflict and management in India. Dr.Nehru Prabakaran DST- INSPIRE Faculty,** Wildlife Institute of India, Dehradun, India spoke on **Development and Wildlife conservation perspectives from Anadaman and Nicobar islands. Dr.Anant Pande, Project Scientist,** Indian Polar research Network, Wildlife Institute of India delivered a lecture on the topic **Recovering Dugong population in India: challenges and way forward.**

### **INDEPENDENCE DAY CELEBRATION**

**“Dr. S. Santhraprabhu Raj,** Retd. HOD & Professor, History, CBM College of Arts and Science, Coimbatore spoke on the topic **“Polarisation of society and its Amelioration: Challenges of India through 74 years of Independence”** on 20.08.2020.

### **COMMEMORATION OF ABDUL KALAM BIRTHDAY**

On **15.10.2020, Dr.ReenaRajkumari B,** Assistant Professor, SR Grade II, Department of Integrative Biology School of Bioscience and Technology, Vellore was the resource person and she spoke on **“Burden of the tropics: Vector borne diseases”.**

## **HARVEST OF VERMICOMPOST**

Under UGC funded Career oriented program on **Vermitechnology**, the Department of Zoology organized a sale of harvested vermicompost.

<b>DATE</b>	<b>ACTIVITY</b>	<b>NET HARVEST</b>
10.06.2020 to 16.06.2020	Harvesting of Vermicompost	<b>700kgs</b>
10.01.2021 to 16.01.2021	Harvesting of Vermicompost	<b>850kgs</b>

## **VILLAGE EXTENSION ACTIVITY**

- Dr.B.Dhanalakshmi, Dr.R.Dhivya and Undergraduate students of our Department, made a visit to Palamalai on 16<sup>th</sup> September 2020. Awareness programmes on Health and Hygiene, setting up of a vermicompost unit and distribution of bread loaves to 35 families was undertaken.
- On 06.02.2021 in Perukaipathi village **Unnat Bharat Abhiyan (UBA) Baseline Household Survey** was carried out by Dr.J.Roopavaty. Data was collected from **40 families**.

## **COMPETITIONS ORGANIZED**

- **Brain Storm** on “**Unique methods of sanitization for prevention of Germs**” was organised on **24.05.2020..**
- **Online quiz** on the topic “**Know your World Wilde life and Sanctuaries of India**” was organized on **05.06.2020.**
- **PPT Presentation** was conducted on **06.06.2020.** The topic was “**The Impact of Covid-19 on the most vulnerable of India**”..
- In **Commemoration of the Wildlife week**, an **Essay Competition** on the topic “**Human Wild life Conflicts**” was organized on **02.10.2020.**
- **Poster Presentation competition** was organised on 13.01.2021 for celebrating **Youth Awakening day.**



- On 14.05.2021, **Online quiz competition** was organised on the topic **Solid waste management** in India.
- On 15.05.2021, **Collage** competition was organised on the topic **Wealth out of waste**.
- **Brain Storm on “Single Use Plastics”** was organised on 20.06.2021 to 22.06.2021.