



**Mercy College**  
**Palakkad, Kerala, India 678006.**  
**Govt. Aided Arts and Science College Affiliated to the University of Calicut**  
**[Accredited by NAAC with A Grade IV Cycle]**



## Green Canopy 2023

The Green Canopy is a Zoology Departmental initiative since 2010 dedicated to promote sustainable environmental practices, conserving biodiversity, and raising awareness about climate change among students.

### National Wildlife Week

As part of National Wildlife Week, Dept. of Zoology, Mercy college Palakkad organized a week-long program "Salva Aeon". Under the auspices, Pencil Drawing and Mobile photography competitions and Film Screening (Elephant Whispers) were conducted. An awareness program, "Kaadakam" a dance drama has been organized to create awareness regarding necessity of coexistence of man and animals in this planet.

### Solid Waste Management Unit

Solid waste accumulation at Campus has been considered as an opportunity to demonstrate sustainable green management prospects at a higher education institution. Since major component is biodegradable, a solid waste management unit with an open windrow composting facility is made available at the campus having a capacity of 500 kg biodegradable waste/ week. The compost thus produced is sieved and packed under the label "Harithasree" for sale and in campus garden use. This huge task was fulfilled with the help of BSc and MSc Zoology students.

### Karuthal

"Karuthal" is a noble initiative launched in the current year by the Dept. of Zoology, to provide a safe and hygienic source of water for birds in summer in the college campus. Around 10 earthen water pots have been installed in the campus. The water pots are cleaned and refilled every two days to ensure hygiene and safety for the birds.

### BioVision

"BioVision" is a strategy planned by the Dept. of Zoology since 2020 for creating naturalistic intelligence and the power of awareness among students and society in general. The attempt envisages understanding biodynamics with respect to ecoclimatic zones and faunal diversity and their interactions through real-time assessment. Apart from this, our Dept. also explores sustainable options for alleviating environmental hazards.

- Diversity, composition and phylogenetic analysis of the order Lepidoptera in Mathur-1 and Thachampara Panchayats have done during the period.
- Feasibility studies on phytoremediation of kitchen greywater using macrophytes have been explored.
- Sustainable development of bioplastic from renewable sources like orange peel, water melon rind etc.
- Cytogenotoxicity studies of pesticides and heavy metals in various fauna and flora in understanding negative impact on exposure.
- Field visit for students has been organised to Shukavana, Mysore (a free-flight walk-in aviary with more than 2,000 vibrant birds representing 486 different species from around the globe), Chikmagalur (Southern Montane Wet Temperate Forest), St. Mary's Island, Uduppi (Coastal Wildlife habitat) to understand various ecological habitats and diversified faunal status.