

Dr G. Christopher
(Research Coordinator - Human Ecology & Natural History)



- PhD Guided : 1

PhD

- Forestry & Wildlife Biology
- Ethnobiology

MPhil

- Tribal Ecology

Research Activities:

The research areas include interdisciplinary field research on **Human-wildlife interactions, lesser mammals, birds, Tribal ecosystems and ethnobiology.** Focus is also given to **Tribal agro-biodiversity, tribal home gardens and changing knowledge and utilization of wild edibles** among selected tribal communities in Kerala Western Ghats. **Natural History and travel Photo documentation of wild flowers, indigenous culture and practices** are his extended interests.

Plant diversity studies, earthworm survey and earthworm taxonomy, bird diversity studies.

Activities

1. Environmental Auditing

The centre conducts authenticated performance indices-based auditing to gauge the environmental presentation for education institution and help to reduce the environmental impacts while improves the sustainability performance.

Conducting auditing of sectors with different performance indices

- Evaluating compliance with relevant statutory and internal requirements
- Enabling management of environmental practices
- Guidance on compliance of the reports as per NACC policy
- Site visit and Audit as per NACC policy
- Offer assistance as a comprehensive package to achieve the anticipated milestones during execution of policy
- Establishing the performance
- Action plan formulation for implementing Green policy for institutions
- Creating baseline for developing an Environmental Management System (EMS)

2. Short term courses

Centre offers short term courses as an evolutionary approach towards vocationalisation of programmes resulting in effective skill development. The programme envisions to bridge skill gap and is delivered as a regular part-time on-campus model, convenient to its takers.

I. Certificate course in Waste management under Directorate for Applied Short-Term programmes (DASP) of Mahatma Gandhi University.

Course I- Liquid waste management

Course II- Solid waste management

Course III- Hazardous waste management

II. Naturalist course

3. Student Project

The Centre offers project opportunities in Environmental sciences and related areas for students from other colleges/universities on payment basis subject to terms and conditions. Excellent opportunities will be given to become well-versed with scientific research methodologies in Environmental Sciences and management. Exposure to work in the well-equipped laboratories of the Centre for attaining hands on research experience's is a highlight.

Areas

- Environmental sampling (air, water and soil) analysis
- Water treatment
- Biochar studies
- Microbiology and PCR application
- Environmental Chemistry
- Soil carbon sequestration and climate change studies
- Biodiversity
- Specialisation in earthworm studies

4. Training

The Centre provides training sessions and capacity building programmes specific to environmental related instrumentation for the students, professionals, faculty and scholars of different research areas. The participants get hands-on experience on the use of sophisticated analytical equipment for analysis environmental samples including air, water and soil and their pollution parameters. The programme includes demonstrations and experiments and on latest equipment and technologies for pollution monitoring.

5. Internship

The Centres provides opportunity to college students for short term internships in various domains of environmental science subjects. Training are possible in the areas of Environmental sampling, instrumentation, analysis, data interpretation, and report preparation.

6. Earth worm specimen Identification and training

The centre is committed to delivering earthworm specimen identification and training under expert supervision and guidance.

7. PhD Programmes

ACESSD is internationally renowned for the quality s research, with over extensive resources and facilities. The PhD programmes of the Centre provide opportunities to research-minded students to hone their research skills and participate actively in pioneering research studies in diverse arenas of environmental science. We promote interdisciplinary research works among various University Departments.

8. Consultancy

The ACESSD have the best high end- infrastructure and relevant multi stream expertise all under one roof to provide best possible solutions.