

Post Graduate and Research Department of BOTANY

Number of Ph.D. Students: 11

Total Number of Papers published during 2016-2017: 9

Papers presented by students & faculties during 2016 -2017 in various conferences: 14

Students

- IInd Sem M.Sc. students has participated in the two day National Seminar
- Ph.D. students **Ms. Vijisha P.** and **Ms. Vinjusha, N.** selected for KSCSTE Rank holders fellowship 2015-2016 and 2016-2017 respectively.
- Three students qualified NET/JRF during 2015-2016

Department Activity

- **Mr. Sudheesh**, Biodiversity Board, Wayanad inaugurated the Botany Association and delivered a talk.

PATHOLOGY LABORATORY (Dr. P.P.RAJAN)

- Participated in the Refresher course on Environmental Science and Geo Science.
- Interdisciplinary Research Programme- Biomolecule isolation, identification and evaluation against pathogens tested and proved in collaboration with Department of Chemistry, University of Calicut
- Synthesized chemical compounds supplied by Department of Chemistry, ZG College under testing against pathogens
- Water and soil quality test being carried out and reports being submitted.
- Isolated, identified and tested efficacies of various biocontrol agents against major fungal and bacterial pathogens of spices and plantation crops
- Various disease carrying agents such as fungal and botanical pathogens isolated, identified and maintained in laboratory

Pteridology Laboratory (Dr. K.P. RAJESH)

- Sanctioned one UGC minor Project during 2016 & sanctioned with two student project during 2015-2016 by KSCST. Attended four National Conferences and delivered talk on various subjects.
- Collaborative Project (Rs 8,36000) with Malabar Botanical Garden & Institute of Plant Science Research.

Bryology Laboratory (Dr. MANJU C. NAIR)

- The only centre in Kerala where Bryological studies are ongoing.
- Two major projects funded by Department of Science and Technology & Kerala State Council for Science Technology & Environment. One Project has been completed during 2016 and one has sanctioned during 2016. Sanctioned with two student projects during 2015-2016 by KSCSTE.
- Attended five National Conferences and delivered talk on various subjects. Provided service for identification of Bryophytes for students and researchers of various institutions of South India

Fungal Diversity Laboratory (Dr. ARUN KUMAR T.K.)

- Talk on “Fungal Diversity of Western Ghats” in a national seminar, Govt. College, Mahe. Involved in documenting the diversity of macro and microfungi of Kerala.
- Studies on documenting the polyporoid fungi of Kerala have been initiated and several new species have been recorded and are in the process of formal publication.

Consultancy services/training:

- Fungal identification services carried out for Christ College Irinjalakkuda
- Molecular phylogenetic analysis training and service for University of Calicut, Department of Botany

Collaboration:

- Curator and administrator of the online database AFTOL- Structural and Biochemical Database, a multi investigator project with labs based in the US and Canada

Dr. Anoop, K. : Attended and presented a National Seminar on “Plant-Microbe Interaction: Present scenario and future trends” conducted by the Department of Botany, Government Arts and Science College, Kozhikode on 14-16 December 2016

Dr. Sreejith, P.E. : Attended a National seminar at Government Brennen College, Talasseri and delivered a talk on “Cultivated Bananas in South India” on 19.11.2016.