

FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)
Affiliated to University of Kerala



3.3.1 Report of Disha

IQAC INTERNAL QUALITY ASSURANCE CELL

A Brief report on 'DISHA'- A hands-on Practical Training Workshop For Higher Secondary Biology Teachers held on 15th & 16th February, 2019

Sponsored by: PTA

With the aim of providing an intense training on Biology Practicals for Higher Secondary Biology teachers, a two-day workshop titled 'DISHA' was held on February 15-16, 2019 at the PG & Research Department of Zoology. The workshop was organised by the Dept of Zoology and supported by the PTA of the college.

13 teachers from about 9 ICSE and CBSE schools attended the workshop. The Facilitators of the workshop included retired Faculty of Zoology and Research Scholars of the Dept of Botany of our Institution. The workshop included lectures, discussions, role playing and 'hands-on' basic practical skills training.

The first two technical sessions of Day 1 commenced immediately after the inaugural session. The resource persons of the two sessions were Dr. Charles George D'Cruz (Retd. Professor & HOD, Dept. of Zoology, FMNC, Kollam) and Dr. Merlyn V (HOD, Dept. of Botany, FMNC, Kollam) respectively. Dr. Charles spoke on the etiquettes to be followed in the lab, organization of practical facilities, safety measures, appropriate use of chemicals, management of specimens, staining techniques, record keeping, etc. Dr. Merlyn's talk on 'Germplasm Conservation' was a refreshing change for the teachers.

The training sessions commenced immediately after the lunch break.

'PALYNOLOGY' were handled by Mrs. Sayoogia and Mrs. Siji (Research scholars, Dept. of Botany, FMNC, Kollam). While Ms. Sayoogia demonstrated and conducted model practical's on various pollen germination and pollination control techniques Mrs Siji spoke on plant population density and population frequency by Quadrate method. For a better understanding of the method, the participants were taken to College Botanical garden.

The training sessions on Day -2 started with cell biology and cytogenetics techniques such as mitosis and meiosis. The session was handled by Dr. Ignatius J. (Retd. Professor, Dept. of Zoology, FMNC, Kollam). The training session III was handled by Dr. Charles D'Cruz (Professor, Dept. of Botany, FMNC, Kollam). They discussed the various biomonitoring techniques and practical sessions – soil sample analysis and morphological adaptations of animals were also handled. During the workshop, the participants met in plenary sessions to continue discussions of the ideas that were presented, shared and discussed.

At the valedictory session which started by 3.00pm, the participants expressed their deep appreciation to the organizers of the workshop, the Department of Zoology, FMN College for the efficient organization of the workshop and the warm hospitality extended to them. Certificates were distributed to all the

participants. Thus the two day workshop came to an end by 3.30pm.

Nisha Thomas p

(Programme Co-ordinator)



PALYNOLOGY in progress

The Inaugural Session



The Technical Sessions By Dr Charles D'Cruz and Dr. Merlyn V



The Field Trip

