

AUTONOMOUS

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3.3.1 Report of Disha

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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.

13teachers 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 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. Charles spoke on the etiquettes to be followed in the lab, organization of practical facilities, safety measures, of appropriate use 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)



The Inaugural Session



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

PALYNOLOGY in progress



The Field Trip



Day 2 Training Session 2 in

progress





Brochure

Day - 2(16-02-2019)

(10.00 – 1.00 pm) CELL BIOLOGY & CYTOGENETICS

: Dr. Ignatius J (Rtd Pref of Zeology, FMNC, Eolians) orary mount of onion root tip

- Squash preparation of grasshopper testisLunch (1.00 pm - 1.45 pm) on -3 (2.00 pm -3.00 pm) - BIOMONITORING : Dr. Charles George D'Cruz (Bol. & HOD of Zoology, FADIC, Kollam)

Valedictory Session and Distribution of Certificates - (3.00 pm) Registration Fees: Rs. 2005.

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FATIMA MATA NATIONAL COLI (AUTONOMOUS), KOLLAN GE

Organized by

DEPARTMENT OF ZOOLOGY

*DISHA" – A hands - on Practical Training Wor Higher Secondary Biology Teachers

Date: 15-02-2019 & 16-02-2019 Venue: Department of Zoology



Supported by Parent Teacher Association

As part of the customs Education to review to provide secondaries of addictation to all children in the group of 15-16 years, it has become imperative to focus on the quality of education. In order to nitract these students to basic science degree courses, it is to attract these students to tossic science degree courses, it is necessary that they be properly exposed to this field of science at the plus two level itself. Hence with this view in mind, the Department of Zoology has decided to conduct an interdisciplinary workshop for the Higher Secondary Bildiciplinary. Workshop for the Higher Secondary Bildiciplinary workshop for the Higher Secondary Bildiciplinary.

Faitina Mata National Collège is committed to

multi institutional research resource sharing programmes since its inception in 1951. We at the Department of Zoology uphold their systemic exercise annually by providing Academic/ Extra Academic/Community outreach platforms for our stakeholders.

(11.00 – 12 pm) : Dr. Charles George D'Cruz (Md. Professor & 1000, Dept of N

(12.00 - 1.00 pm)

Dr. Merlyn V.J.

(1.00 pm - 1.45 pm) (2.00 pm – 3.30 pm) - PALYNO Mrs.Siji & Mrs. Sayoogia Training Session -1

- Study of plant population density and p quadrat method