



**UNIVERSITY GRANTS COMMISSION  
HUMAN RESOURCE DEVELOPMENT CENTRE  
GOA UNIVERSITY**

**Refresher Course in  
Life Sciences  
Lif(ONLINE)**

**From 24.11.2023 to 08.12.2023**

**For the members of the faculty of  
College / University that are included under  
Section 2(f)/12 (B) of the UGC Act**

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## UGC - MALAVIYA MISSION TEACHER TRAINING CENTRE

### Goa University

Refresher Course in Life Sciences (Inter-disciplinary)

From 24/11/2023 to 08/12/2023 (Online Mode)

### REPORT

1. UGC-Malaviya Mission Teacher Training Centre, Goa University has conducted its Refresher Course in Life Sciences (Inter-disciplinary) Online mode. A total of 34 participants registered for the course. The Participants were from the State of Goa, and other States also Maharashtra, West Bengal, Tamil Nadu, Uttar Pradesh, Karnataka, Assam, Sikkim, Himachal Pradesh and Madhya Pradesh. Most of the participants attended the Online Refresher Course in Life Sciences (Inter-disciplinary) were from outstation. It may also be noted that the gender wise bifurcation of the participants is as follows :  
Male - 16 Participants and Female – 18 Participants.
2. Prof. Ms. Purva Hegde Desai, In - charge Director, MMTTC welcomed the Resource Person and the participants of the Refresher Course. Prof. B. F. Rodrigues, Senior Professor of Botany & Dean, School of Biological Sciences & Biotechnology, Goa University, has inaugurated the Refresher Course in Life Sciences (Inter-disciplinary) in the presence of Dr. Ingrid Anne P. Nazareth, Assistant Professor, UGC - Malaviya Mission Teacher Training Centre. The Course was Co-ordinated by Prof. Sandeep Garg, School of Biological Sciences and Biotechnology, Goa University. The course was divided into 4 lecture sessions from (a) 10.00 am – 11.30 am (b) 11.45 am – 1.15 pm (c) 2.00 pm – 3.30 pm (d) 3.45 pm – 5.15 pm with a lunch-break of 45 minutes duration from 01:15 pm to 02:00 pm.
- 3 The Course was enriched with most eminent resource persons across the Country. The participants were from the various disciplines. Some of the topics that were presented by the participants are: (i) Seed Priming : A sustainable tool for Organic farming.

(ii) Chemical bonds- Biophysics (iii) Probiotic microbes and their health benefits (iv) Energy systems in Human Body (v) Studies on the tongue of Insectivorous Bat, Hipposideros speoris (vi) Cumulative interaction of Brassinosteroids and silicon in mitigating lead metal toxicity in Trigonella frenulum-caecum L. (vii) Role of Nutritional Science in Education (viii) Mushroom Cultivation and its Need (ix) Bacterial Diversity in the Fermented Vegetables and Bamboo Shoot Products of North East India (x) Mangroves: Diversity and role of AM fungal species in Mangroves.

- 4 Further, the participants were requested to write Major Research Project Proposal as per UGC format, which was later evaluated by the Course Coordinator. The participants were also requested to submit the Seminar Presentation Report on the topic of their choice, which was assessed simultaneously. The participant's session was also held (online). At the end, the participants answered the objective type test, which was evaluated and graded accordingly.
- 5 The valedictory function was held on 08<sup>th</sup> December 2023. The valedictory address was delivered by the Chief Guest Prof. Vijaya Kerkar, Former Dean, Faculty of Life Sciences & Environment and Professor, School of Biological Sciences & Biotechnology, Goa University. Select participants shared their oral feedback during the Valedictory Function. The course ended with the vote of thanks proposed by Dr. Ingrid Anne Nazareth, Assistant Professor, UGC - MMTTC, Goa University.

We are enclosing herewith:

- a. Time-table
- b. Name of Resource persons and topics.
- c. Name of the participants & their area of specialization
- d. Participants details
- e. Evaluation Participants Summary

*Ingrid Anne Nazareth*

( Dr. Ingrid Anne P. Nazareth )  
Assistant Professor (UGC-MMTTC)

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**UGC-MALAVIYA MISSION TEACHER TRAINING CENTRE  
GOA UNIVERSITY**

**Refresher Course in Life Sciences (Inter-disciplinary)  
From: 24/11/2023 to 08/12/2023 (Online)**

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