



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

**Refresher Course
in
Life Sciences
(Inter Disciplinary)
ONLINE**

From 10.01.2023 to 23.01.2023

**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-Human Resource Development Centre

Goa University

Refresher Course in Life Sciences (Online Mode)

From 10/01/2023 to 23/01/2023

REPORT

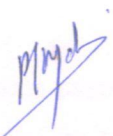
1. UGC-HRDC, Goa University has conducted its Refresher Course in Life Sciences (Inter-disciplinary) through (Online mode). A total of 39 participants registered for the course. The Participants were from the state of Goa, and other states also Maharashtra, West Bengal, Tamil Nadu, West Bengal, Uttar Pradesh, Andhra Pradesh, Jammu & Kashmir, Uttarakhand, Delhi, Bihar, Chhattisgarh and Kerala. 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 – 23 Participants.
2. Prof. Ms. Purva Hegde Desai, Incharge Director, HRDC welcomed the Resource Person and the participants of the Refresher Course. Further, Prof. Savita Kerkar, Dean, School of Biological Sciences and Biotechnology, Goa University, has inaugurated the Refresher Course in Life Sciences (Inter-disciplinary) in the presence of Prof. Ms. Purva G. Hegde Desai, In-Charge Director and Dr. Ingrid Anne P. Nazareth, Assistant Professor, UGC-HRDC. The Chief Guest addressed the participants with an inaugural lecture entitled **“Exploration of the Arctic for Biodiversity”** The Course was Co-ordinated by Prof. Sandeep Garg, Professor in Microbiology, School of Biological Sciences & 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.
- 3 The Course was enriched with most eminent resource persons across the country. The theme of the Refresher Course was **“Recent Developments in Life Sciences”**. The participants were from the various disciplines of biological sciences namely Life Science,

Zoology, Microbiology, Biotechnology, and Botany. The resource Persons explained the various developments that have taken place in their respective fields in the last 15 years. Some of the Resource Persons also demonstrated the working of various methodologies and technologies through online mode.

- 4 Some of the topics that were presented by the participants are: (i) Isolation of Magneto tactic bacteria from fresh waters of Goa (ii) The untapped potential of seaweed (iii) Animals is disease detection - COVID -19 (iv) Effect of Carbon Black Nanoparticles on Mus musculus (v) Environment factors and plant diseases (vi) Antimicrobial Screening of Naturally Occurring Freshwater Filamentous Green Algae (vii) Basic concepts of plant stress (viii) Conservation of some least endangered species in vidarbha (ix) Traditional Herbal Medicine in Indian Society (x) Fungi Based Eco-Friendly Composite Materials.
- 5 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. At the end, the participants answered the objective type test, which was evaluated and graded accordingly.
- 6 The valedictory function was held on 23rd January 2023. The valedictory address was delivered by Dr. B.F. Rodrigues, Senior Professor, Former-Dean, Life Sciences and Environment, Goa University. Dr. Sandeep Garg, Coordinator read the report. The course ended with the vote of thanks proposed by Dr. Ingrid Anne Nazareth, Assistant Professor, UGC - HRDC, Goa University.

We are enclosing herewith:

- a. Time-table
- b. Name of Resource Persons and topics.
- c. List of Participants with presentation topics
- d. Evaluation by the participants – summary
- e. Participants details.
- f. Participants Evaluation sheets


(Prof. Ms. Purva Hegde Desai)
In-Charge-Director-UGC-HRDC

UGC-Human Resource Development Centre

Goa University

Refresher Course in Life Science (Online)

Held from 10/01/2023 to 23/01/2023

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