

Report on Workshop on Polymerase Chain Reaction
Botany Discipline, SBSB, Goa University

Title of the Event	Workshop on Polymerase Chain Reaction
Date and Time	28 th February 2023, 10.00 am to 4.00pm
Mode	Offline
School/Directorate	School of Biological Sciences and Biotechnology (Botany Discipline), Goa University
Collaborating Agency	SERB-DST (Funding)
Detail of the Resource Person	Dr. Siddhi K. Jalmi, Assistant Professor, Botany Discipline, School of Biological Sciences and Biotechnology, Goa University
Participants	27
Faculty attended	2
Student attended	25
No. of external participants	All 27 participants from colleges of Goa
The objective/description of the activity	The objective of this activity was to train students with technique of Polymerase Chain Reaction which is very important and useful technique in molecular biology research. For this the instrument purchased from the project funding was used to give hands on training. The aim of this workshop was to make students learn about gene expression study by RT PCR. Also, primer designing was demonstrated to the students.

Benefit/Key outcome of the event	In this workshop students were given hands on training on technique in molecular biology “Polymerase Chain Reaction”, for the use in studying Gene Expression. Students were trained in cDNA synthesis followed by RT-PCR. The primer designing which is an important aspect in molecular biology research was also demonstrated. All undergraduate students were happy to learn PCR and work with instrument thermal cycler since the instrument is not available in many colleges. This basic instrumentation training will benefit and help students to take up any project conducted in molecular biology laboratories. Also will improve their skills in molecular biology research.
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Signature



Name: Dr. Siddhi K. Jalmi

Designation: Assistant Professor, Botany Discipline, School of Biological Sciences and Biotechnology, Goa University



Discipline of Botany
School of Biological Sciences
and Biotechnology
Goa University



Workshop on Polymerase Chain Reaction

As a part of Scientific Social Responsibility
(SSR),
Initiative by SERB-DST,
Govt. of India

Learning opportunities:

- c-DNA synthesis,
- RT-PCR
- Primer designing

For Undergraduate Students of Life Science

Register here:

<https://forms.gle/XvgVcsJXUHqH2qE28>

Date: 28th February 2023,

Time: 10.00 am onwards

Venue: Block A,
Botany Discipline, Goa University,
Taleigao Plateau, 403206

In-charge: Dr. Siddhi K. Jalmi, PI, SERB-DST,
Assistant Professor, Botany, Goa University
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