

A vibrant pink background featuring a cluster of pink flowers with green leaves. The flowers are arranged in a circular pattern around the central text. The text is white and reads "BOTANY that BLOOMS".

BOTANY
that
BLOOMS

News letter

Department of Botany
.....

June 2024

ISSUE 4 | JUNE 2024

BOTANY

NEWSLETTER

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knowledge Exchange



Cover Story



ASIMA CHATTERJEE

Fields: Chemistry, Phytomedicine

Born: 1917 in Kolkata, Bengal (India)

Death: 2006 in Kolkata, West Bengal (India)

Main achievements: Research on vinca alkaloids, and the development of anti-epileptic and anti-malarial drugs

Asima Chatterjee was a renowned Indian chemist known for her significant contributions to the field of organic chemistry. Born on September 23, 1917, in Bengal (now West Bengal), India, she overcame numerous challenges, including financial constraints and societal expectations, to become a trailblazer in Indian science.

Chatterjee's research primarily focused on natural products chemistry, particularly medicinal plants native to India. She investigated their chemical compounds and their potential pharmaceutical applications. Her work led to the development of anti-epileptic and anti-malarial drugs, among others.

In 1944, Asima Chatterjee earned her PhD in organic chemistry from the University of Calcutta, becoming the first Indian woman to do so. Throughout her career, she published over 400 research papers and several books, inspiring generations of scientists in India and beyond.

Her contributions to science were widely recognized. She received numerous awards, including the Shanti Swarup Bhatnagar Award (1961), the Padma Bhushan (1975), and the prestigious Sir C. V. Raman Award (1982). Asima Chatterjee's legacy continues to inspire scientists worldwide, particularly women in science, for her groundbreaking achievements and dedication to chemistry.

Students` Corner

TOGETHER

TOGETHER

TOGETHER



NATIONAL SCIENCE DAY



Participation of Team Botany in Poster Competition on National Science Day



"The true wealth of a nation consists not in the stored-up gold, but in the intellectual and physical strength of its people."

C. V. Raman

THE ART AND THE ARTIST



Durgapur, West Bengal, India
 GBRG+WXX, Jawahar Lal Nehru Road, Amarabati Colony, Durgapur, West Bengal
 713214, India
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GPS Map Camera

Google



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GPS Map Camera

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GPS Map Camera

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BLOSSOM BOTANY

The Winner is!

STAR STUDENT





A STORY OF
**ROAD ART
COMPETITION**


The Art and The Artist





Masterpiece in Progress



 GPS Map Camera

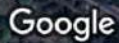
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 Google

1ST POSITION - THE WINNER



STUDENTS' ACTIVITIES



TEAM BOTANY

BOTANIST



6TH RSTC

CULTURAL COMPETITION



TEAM BOTANY

BOTANIST



INTERNATIONAL MOTHER

LANGUAGE DAY



GPS Map Camera

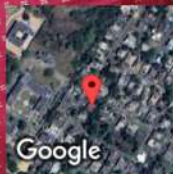


Google

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GPS Map Camera



Google

Durgapur, West Bengal, India
A 44, Amarabati, Defence Colony, Durgapur, West Bengal 713241, India
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Long 87.329098°
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STUDENT

Portfolio



Debjeet Show, 2nd Sem

*There are many marigolds in my home garden. Among them, there are *Cosmos sulphureus*, commonly called *Bilati Gada* in bengali, a species of marigold. Few days ago, I saw that the flower is blooming in sunlight, but at night, the petals of the flower were closed. I realized that the flower shows nyctinasty. The petals were protecting the pollen grains from cold and insects. Hence, it proves that the flowers are sleeping at night just like *Mimosa pudica* shows sensitivity by just touch and the leaves are closing*



Congratulations!



Mayna Kundu & Amrita Banerjee

Joint topper 2023

We are proud of you!

Knowledge Exchange

Collection and Preservation of Pteridophytic germplasm

workshop

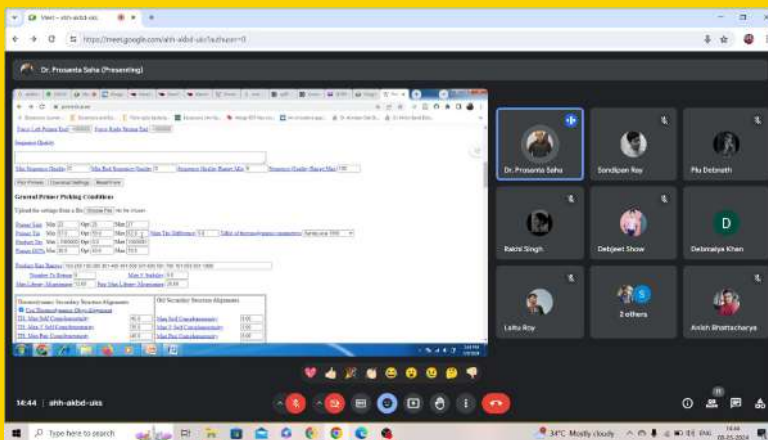
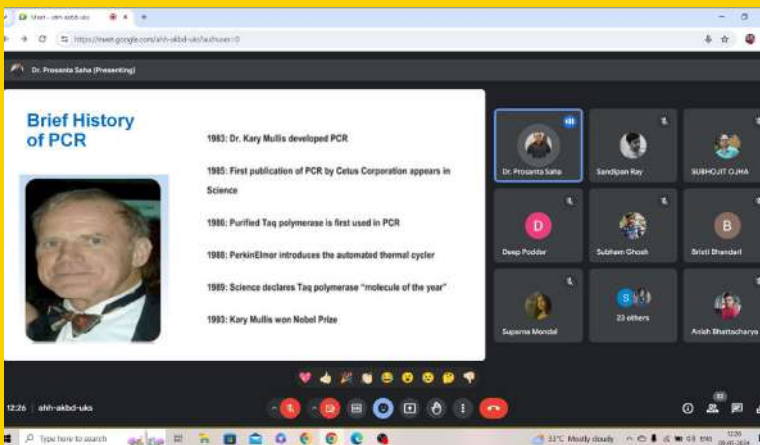
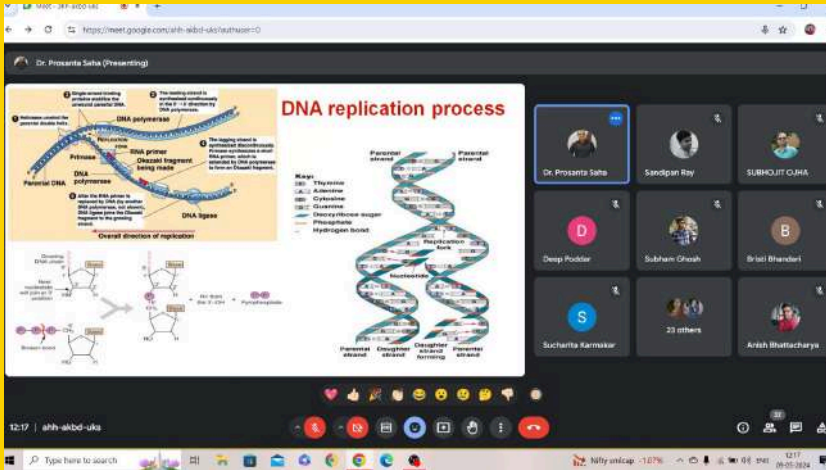


Pteridophytes are first land vascular plants arrived on earth almost 430 million years ago. Till then they are surviving in almost every corner of earth (mostly in tropical region) and standing on the 2nd position when it comes to the number of species present on earth after angiosperm

before preserving that we must know the proper way of identification of those species. Hence, the Department of Botany of Durgapur Government College organized a workshop on 24th February, 2024 from 1 p.m. onwards, on the above mentioned topic to first identify and then preserve the specimen mainly focusing on Herbarium techniques that is more suitable for students as well as other researchers

PCR and Techniques in Designing Primer for UG Students

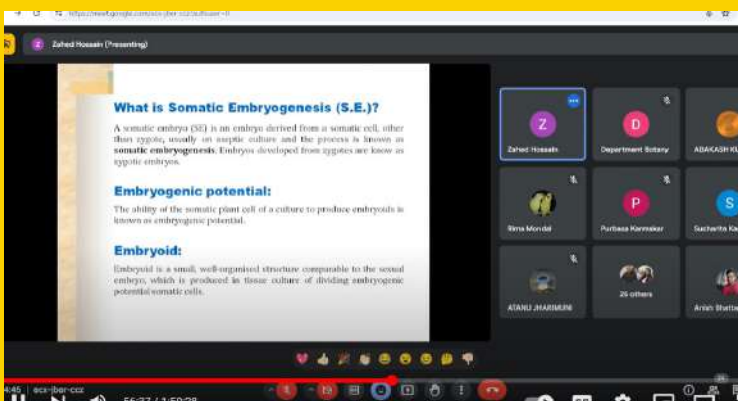
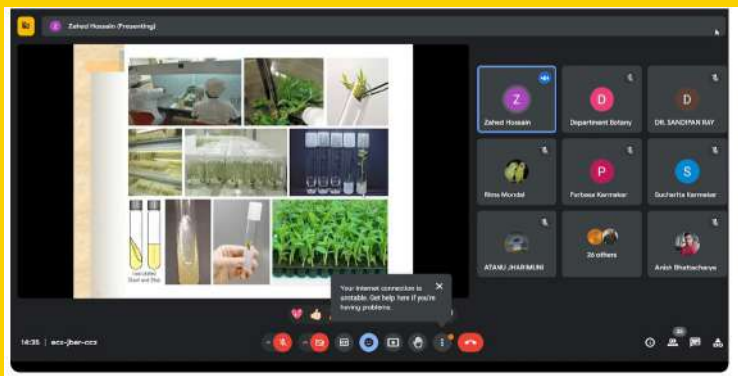
workshop



The webinar cum online workshop on “PCR and techniques on primer designing for UG students” aims to teach participants about the working principle, components and variants of Polymerase chain Reaction, retrieve DNA sequence from online databases and the process of designing primers to amplify a target DNA sequence. The objectives further include disseminating knowledge to students about the criteria for designing effective primers (e.g., primer length, melting temperature, specificity)

Modern Techniques of Molecular Biology and Plant Biotechnology for UG Students

invited lecture



The invited lecture aims to teach participants about the basic techniques in molecular biology and biotechnology especially for ug students to grow the interests in advance tecnique

The objectives further include disseminating knowledge to students about the tissue culture system and regarding the advancement in this field

Gram staining of bacteria

new experiment

