


## REPORT ON ACTIVITY

### Expert talk

<b>Title of the event</b>	An Invited lecture on <b>“Evaluation of Plant Growth Promoting Rhizobacteria and Influence of Rhizodeposition on the Tea Rhizosphere Microbiome of Darjeeling, India ”</b>
<b>Date and time</b>	15th January 2022; 3.00 p.m.
<b>Mode</b>	Online
<b>Department/School/Directorate</b>	Department of Microbiology
<b>Participants</b>	57
<b>Resource Person/s</b>	Dr. Abhrajyoti Ghosh Associate Professor, Biochemistry Ramanujan Fellowship Awardee Bose Institute, Kolkata
<b>Faculty attended</b>	6
<b>Students attended</b>	45
<b>No of external participants</b>	11
<b>URL of the event</b>	Registration link: <a href="https://forms.gle/pua2WKeKtZ9fk1Fv6">https://forms.gle/pua2WKeKtZ9fk1Fv6</a>  meet.google.com/kks-phsq-fpw
<b>Benefit/Key outcome of the event in terms of learning/skills/knowledge</b>	<ol style="list-style-type: none"> <li>1) Learnt how to use molecular biology techniques to study unculturable bacteria.</li> <li>2) Learnt how to use bioinformatics to for metagenomics study.</li> <li>3) Learnt how to correlate date of culturable and metagenomics data in research.</li> <li>4) Learnt concept of Plant growth promoting Rhizobacteria and Rhizodeposition.</li> </ol>

**The objectives / description of the activity (50 words):** Dr. Abhrajyoti Ghosh spoke about Rhizosphere bacteria and how to study plant growth promoting potential of Rhizobacteria. He explained how Rhizodeposition influence Tea Rhizosphere Microbiome of Darjeeling, India. He Discussed about various molecular biology techniques to study rhizosphere microbiome. We learnt how to study microbiome of rhizosphere using culturable and metagenomics. Also we learnt how to use bioinformatics for metagenomics study and concept of genome mining.


## Copy of Flyer of the event uploaded on the Goa University Website:



**Department of Microbiology, Goa University**


**Lecture series in celebration of**

**AZADI KA AMRIT MAHOTSAV**



A lecture on

**“Evaluation of Plant Growth Promoting Rhizobacteria and Influence of Rhizodeposition on the Tea Rhizosphere Microbiome of Darjeeling, India ”**



**Speaker:**  
**Dr. Abhrajyoti Ghosh**  
Associate Professor, Biochemistry  
Ramanujan Fellowship Awardee  
Bose Institute, Kolkata

**Date and time:**  
**15<sup>th</sup> January 2022; 3.00 p.m.**

**Registration link:**  
<https://forms.gle/pua2WKeKtZ9fk1Fv6>

**Organizing Committee**

**Convener:** Prof. Sandeep Garg **Organizing secretary :** Dr. Milind M. Naik **Joint secretary** Dr. Lakshangy S. Charya

**Members** Dr. Bhakti B. Salgaonkar Dr. Trupti Asolkar Dr. Lata Gawade Ms. Judith Noronha

## Photos of Event:



← Lecture by Dr. Abhrajyoti Ghosh (2022-01-15 at 01:30 GMT-8) Open with ▾

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Meet

4:05 PM | Lecture by Dr. Abhrajyoti Ghosh

23°C Haze 4:05 PM 1/16/2022

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Abhrajyoti Ghosh

← Lecture by Dr. Abhrajyoti Ghosh (2022-01-15 at 01:30 GMT-8) Open with ▾

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Who are out there???

Phylum and Genera structures in tea rhizosphere

Environmental Microbiology (2021)

Abhrajyoti Ghosh

Lecture by Dr. Abhrajyoti Ghosh (2022-01-15 at 01:30 GMT-8)

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Genome mining

In depth study of metabolically versatile micro-organism isolated from tea rhizosphere

Abhrajyoti Ghosh

51:03 / 1:13:37

CC