


BGC/P.G.DEPARTMENT OF BOTANY/SEMINAR/WORKSHOP

NATIONAL LEVEL WEBINAR ON "CLASSIFICATION AND PHYLOGENY OF ALGAE EXPLAINED THROUGH ENDOSYMBIOTIC THEORY"

Date-28.09.2021

SPEAKER- Dr. Samit Ray-Professor of Botany, Visva-Bharati University.

Number of Participants-62




BARASAT GOVT. COLLEGE
Government of West Bengal
POST GRADUATE DEPARTMENT OF BOTANY
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NOTICE

No: B.G.C./Bot/18/2021 Dated: 20th September, 2021

In context of the notice dated March 12, 2020, it is to be informed that the seminar of Dr. Samit Ray, Professor of Botany, Visva-Bharati University-topic entitled "Algal diversity, classification and phylogenetic considerations" which was scheduled to be held on the 19th March (Thursday), 2020 at 2.00 PM is rescheduled on 28th September 2021 through online mode and the Topic title would be "**Classification And Phylogeny Of Algae Explained Through Endosymbiotic Theory**"

All interested students, staff and faculty members are requested to participate in this interactive Webinar. The students of PG Semester-II and Semester-IV of this Department are specifically instructed to attain the same.


Professor & Head
Department of Botany (UG & PG)
Barasat Government College
North 24 Parganas (N)

Dr. Jukta Adhikari (W.B.S.E.S)
Professor & Head
P.G Department of Botany

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Brief Report:

The webinar aimed to explore Algal Diversity, highlighting their resilience and adaptability across diverse environments. Dr. Ray emphasized the pivotal role of the endosymbiotic theory according to which the ancestral eukaryotic cells engulfed aerobic bacteria (like mitochondria) and cyanobacteria (like chloroplasts) through phagocytosis. Instead of being digested, these bacteria formed a symbiotic relationship with the host cell, providing essential functions like energy production and photosynthesis. Eventually, these bacteria integrated into the host cell, becoming modern eukaryotic organelles. Evidence includes similarities between organelles and free-living prokaryotes, their circular DNA, and ability to replicate independently. This theory explains the complexity and diversity of eukaryotic cells, emphasizing the role of symbiosis in evolution. The webinar provides students with a comprehensive understanding of how the endosymbiotic theory explains the evolutionary relationships among different groups of algae, while also equipping them with foundational knowledge in molecular techniques for algal classification and phylogenetic analysis.

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WELCOMES YOU TO A WEBINAR ON

“CLASSIFICATION AND PHYLOGENY OF ALGAE EXPLAINED THROUGH ENDOSYMBIOTIC THEORY”

RESOURCE PERSON



PROF. SAMIT RAY
DEPARTMENT OF BOTANY
VISVA-BHARATI
SANTINIKETAN

THE GOOGLE MEET LINK WILL
BE SENT TO THE REGISTERED
PARTICIPANTS BY EMAIL PRIOR
TO THE PROGRAMME

CHIEF PATRON
Dr. SAMAR CHATTOPADHYAY
PRINCIPAL, BARASAT GOVT. COLLEGE
CONVENOR
Prof. JUKTA ADHIKARI
HEAD, P.G DEPARTMENT OF BOTANY

Date: 28th September, 2021
Time: 7.00 PM (IST)
onwards

Platform:  Google Meet

PROGRAMME SCHEDULE

INAUGURATION AND WELCOME ADDRESS BY Dr. SAMAR CHATTOPADHYAY , PRINCIPAL, BARASAT GOVT. COLLEGE	7:00 - 7:05PM
INTRODUCTION TO THE SPEAKER BY Prof. JUKTA ADHIKARI , HOD, BOTANY, BGC	7:05 - 7:10PM
INVITED LECTURE BY Prof. SAMIT RAY	7:10 - 8:10PM
INTERACTIVE SESSION	8:10 - 8:20PM
VOTE OF THANKS BY Dr. SAUTRIK BASU , ASSISTANT PROFESSOR, DEPT. OF BOTANY	8:25PM

PARTICIPATION IS FREE.
HOWEVER PARTICIPANTS ARE
REQUESTED TO REGISTER IN ADVANCE

REGISTER HERE

ORGANIZING COMMITTEE MEMBERS

Dr. NIRMALENDU DAS
Dr. RITUPARNA KUNDU CHAUDHURI
SRI DIBYENDU SEKHAR MAHANTY
Dr. MIHIR HALDER
Dr. SOHINI GUPTA

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