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# HARIMOHAN GHOSE COLLEGE

J-206 & 208A, PAHARPUR ROAD, GARDEN REACH, KOLKATA-700024

Website: harimohanghosecollegekol24.ac.in e-mail : [phmgcollege@gmail.com](mailto:phmgcollege@gmail.com)

Ref. No.....

Date .....

## STUDENTS' SEMINARS ORGANIZED BY THE DEPARTMENT OF BOTANY

(2022-2023)

### Departmental seminar no. 1

**Theme:** *Phytochemistry and Medicinal Plant Botany*

**Date:** 1<sup>st</sup> December, 2022

**Time:** 1:00 pm

**Venue:** Smart classroom

Sl. No.	Speakers	Topics
1.	Ms. Qunoot Ali (B.Sc Gen, Sem V)	Pharmacologically active constituents
2.	Ms. Naheed Zakya Takshis (B.Sc Gen, Sem V)	Pharmacological importance of phenolics
3.	Ms. Tanusri Manna (B.Sc Gen, Sem V)	Role of terpenes in plant defence and their pharmacological importance

**Mentor:** Dr. Anrini Majumder, Asst. Prof., Dept. of Botany

**Outline of the topics:** The universal role of plants in the treatment of diseases is exemplified by their employment in all the major systems of medicine (Western medicine, Unani, Ayurvedic, Siddha as well as the Oriental systems). Plants have been prolific sources of several pharmaceutically important chemicals and have been used as medicines by mankind to treat ailments since time immemorial. A major proportion of the prescribed drugs contain at least one active ingredient of plant origin.

Plant secondary metabolites (*viz.* alkaloids, phenolics, flavonoids, terpenoids etc.) are compounds with restricted occurrence in taxonomic groups which are not directly involved in the normal growth, development or reproduction of a plant, but play a role in the interaction of the plant with its surrounding environment. Apart from being used as perfumes, flavouring agents, dyes, insecticides, these compounds are important sources of several medicines.

  
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In this seminar, the students talked about the pharmacologically active constituents from different plant sources, their pharmaceutical importance and the therapeutic significance of plant phenolic and terpenoid compounds. They also explained the role of terpenoidal compounds in plant defence *i.e.* resistance against pests and pathogens.



Photographs of the seminar

  
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# HARIMOHAN GHOSE COLLEGE

## Departmental seminar

Organized by

## DEPARTMENT OF BOTANY

Theme: Phytochemistry and Medicinal Plant Botany

1<sup>st</sup> December, 2022 1:00 pm Smart classroom

### Speakers

1. Ms. Qunoot Ali (B.Sc Gen, Sem V)
2. Ms. Naheed Zakya Takshis (B.Sc Gen, Sem V)
3. Ms. Tanusri Manna (B.Sc Gen, Sem V)

### Topics

Pharmacologically active constituents  
Pharmacological importance of phenolics  
Role of terpenes in plant defence and their  
pharmacological importance

**Mentor: Dr. Anrini Majumder, Asst. Prof., Dept. of Botany**

# DEPARTMENTAL SEMINAR-I.

01/12/22

Seminar Attendees :-

No.	Full Name	Designation / Class - Department	Signature with date
1.	Swapan kr. Barua.	chemistry lab	<i>[Signature]</i> 1.12.22
2.	Nilufa Khatun	Dept. of Chemistry	<i>[Signature]</i> 1.12.22
3.	Prabin Biswas	Principal	<i>[Signature]</i>
4.	PEEN BHUTIA	ASSISTANT PROFESSOR DEPT OF EDUCATION	<i>[Signature]</i> 01.12.22.
5.	Shubhankar Podder	Assistant Professor Dept. of Mathematics	<i>[Signature]</i> 01/12/22
6.	Pampa Ghosh	SAC-II Dept of Chemistry	<i>[Signature]</i> 01/12/2022
7.	MD. SHAKIR	Non-Teaching Staff	<i>[Signature]</i> 01/12/22
8.	RASAT ADHIKARY	NTS, office	<i>[Signature]</i> 01/12/22
9.	GOPAL MONDAL	NTS, office	<i>[Signature]</i> 01/12/22
10.	Monoj Sarkar	NTS	Monoj Sarkar
11.	Sinuli Masumdar	NTS	Sinuli Masumdar
12.	Saina Khatun	B.COM 5 <sup>th</sup> sem	Saina Khatun 01/12/22
13.	Sona Dujin	B.A Gen 5 <sup>th</sup> sem	<i>[Signature]</i> 01/12/22
14.	Nasirama Khatun	B.A Gen 5 <sup>th</sup> sem	<i>[Signature]</i> 01/12/22
15.	Humaira Schahil	B.A Gen 5 <sup>th</sup> Sem	Humaira Schahil 01/12/22
16.	Jayanta Mitra	Coordinator IQARC	J.Mitra 01.12.22
17.	Swiya Khatun	B.A Gen 5 <sup>th</sup> Sem	Swiya Khatun 1.12.22
18.	Manika Khatun	B.A Gen 1 <sup>st</sup> Sem	Manika Khatun 1/12/22
19.	Kainat Naag	B.A Gen 1 <sup>st</sup> sem	Kainat Naag 01/12/22
20.	Nargis Khatun	B.A Gen 1 <sup>st</sup> Sem	Nargis Khatun 01/12/22
21.	Saba Anjum	B.A Gen 1 <sup>st</sup> Sem	Saba Anjum 01/12/22
22.	Nekhat Parveen.	B.A. Gen 1 <sup>st</sup> Sem	Nekhat Parveen. 01/12/22.
23.	Lohela Johar Jiba	B.A. Gen 1 <sup>st</sup> Sem	Lohela Johar Jiba 01/12/22
24.	Kakasha Aha	B.Sc Hons. 1 <sup>st</sup> sem	<i>[Signature]</i> 01/12/22
25.	Mobassara Hussain	B.Sc Hons. 1 <sup>st</sup> Sem	<i>[Signature]</i> 01/12/22
26.	Sista Parveen	B.A General 5 <sup>th</sup> Sem	<i>[Signature]</i> 01/12/22
27.	Taiba Parveen	B.A General 5 <sup>th</sup> Sem	TR 1/12/22
28.	Kaynat Afsana.	B.A Honours	KA 1/12/22.
29.	Soma Parveen	B.A General	S.P 1/12/22
30.	Seshma Khatun	B.A General	S.K 1/12/22
31.	Dr. Alak Chakrabarty	Physiology	<i>[Signature]</i> 1/12/22
32.	Shibani Bhattacharya	Lab	S.B. 01.12.22

	Full Name	Department/Class	Signature with Date
22.	ATREYEE BANERJEE.	Teacher - Dept. of Botany.	Banerjee. 01.12.22
(34)	KAYNAT SAUHID	Student - B.Sc General.	Kausahid. 01.12.22
(35)	AMINA FIRDAUS	Student - B.Sc. General	Aminfir. 01.12.22
(36)	Sayeeda Khatoon	Student - B.Sc. General	S Khatoon 11/12/22
(37)	<del>Sunoo At</del>		
(37)	RIMA KHATOON	Student - B.Sc. - General	Rkhatoon 11/12/22
(38)	ALIMA BATTUL	Student - B.Sc. General	ABattul
39.	Ramsha Siddiquee	Student - B.Sc general	Ramshasiddiquee 01/12/22
40	Ayesha Fashu	Student - B.Sc general	Ayesha fashu 11/12/22
41	Anam	Student - B.Sc general	Anam. 1/12/22

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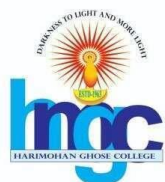
**DEPARTMENT OF BOTANY**

*This is to certify that Ms. Naheed Zakya Takshis (B. Sc. General, Semester V) delivered a lecture on the topic entitled "Pharmacological importance of phenolics" in the Departmental Seminar held on 01.12.2022.*

  
**Dr. Prabir Biswas**  
Principal  
Harimohan Ghose College

  
**Dr. Jayanta Mitra**  
IQAC Coordinator  
Harimohan Ghose College

  
**Dr. Anrini Majumder**  
Head, Department of Botany  
Harimohan Ghose College



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Ref. No.....

Date .....

## Departmental seminar no. 2

**Theme:** *Ethnobotany and Folk Medicines*

**Date:** 22<sup>nd</sup> December, 2022

**Time:** 1:00 pm

**Venue:** Smart classroom

Sl. No.	Speakers	Topics
1.	Ms. Ramsha Siddiquee (B.Sc Gen, Sem V)	Ethnobotany and its relevance in today's life
2.	Ms. Kaynat Tauhid (B.Sc Gen, Sem V)	Folk medicines in India

**Mentor:** Ms. Atreyee Banerjee, SACT II, Dept. of Botany

**Outline of the topics:** The word 'Ethnobotany' is based on two Greek words: *ethnos* (race, people, cultural group) and *botanikos* (of herbs) and can mean the plant lore of a race or people as well as the study of that lore. Precisely, **Ethnobotany** is the systematic study of the botanical knowledge of the rural social groups and its use of locally available plants as foods, medicines, clothing or for religious rituals. Plants have been used as folk medicines since time immemorial. Necessity for new drugs with a botanical origin and for new food crops has classically been based on ethnobotanical information. Ethnobotanically directed bioprospecting has become more powerful than random assays for finding and identifying bioactive compounds from plants.

In this seminar the students discussed about the different aspects of Ethnobotany in day-to-day life of the rural and tribal people and about the folk medicines used in various parts of India.

  
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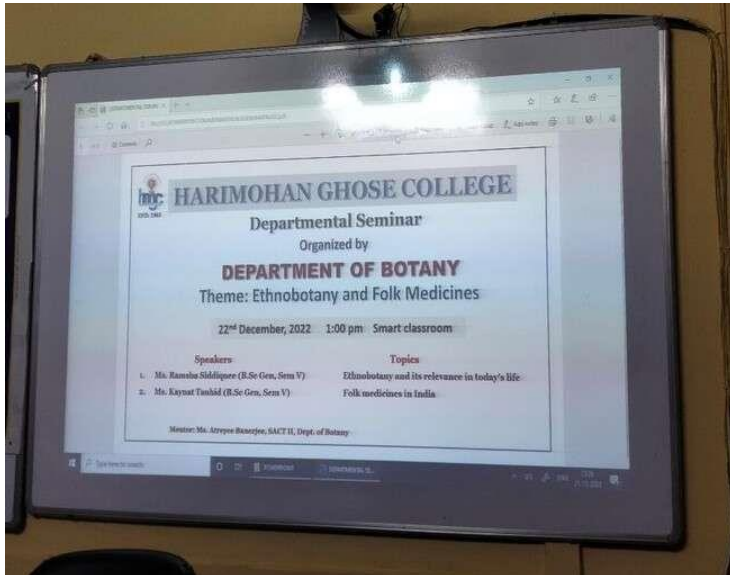
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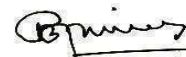
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Photographs of the seminar

  
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# HARIMOHAN GHOSE COLLEGE

## Departmental Seminar

Organized by

## **DEPARTMENT OF BOTANY**

Theme: Ethnobotany and Folk Medicines

**22<sup>nd</sup> December, 2022    1:00 pm    Smart classroom**

### **Speakers**

1. Ms. Ramsha Siddiquee (B.Sc Gen, Sem V)
2. Ms. Kaynat Tauhid (B.Sc Gen, Sem V)

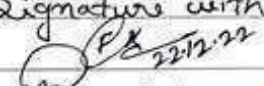
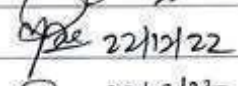

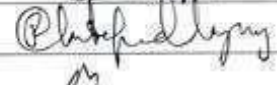
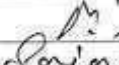
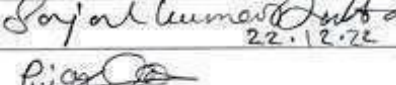
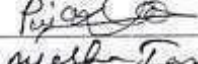
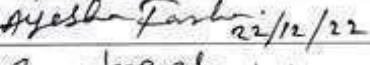
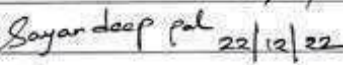
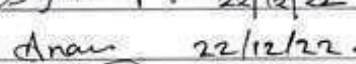
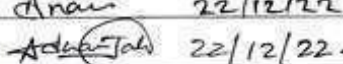
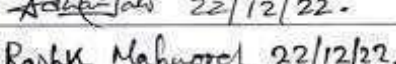
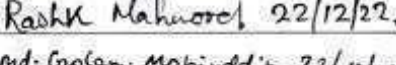
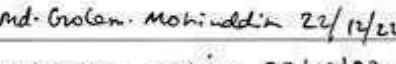
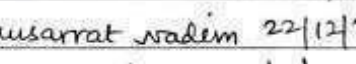
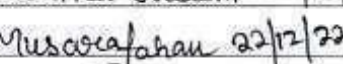
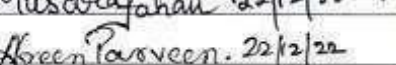
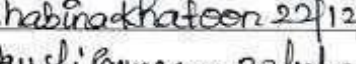
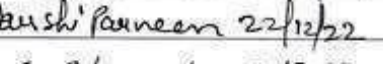
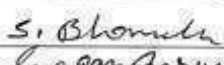
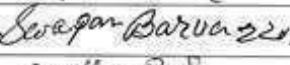
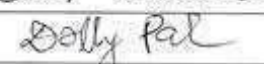
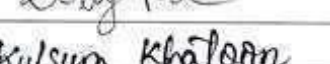
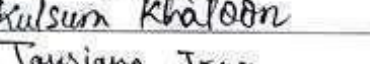
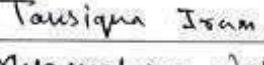
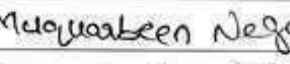
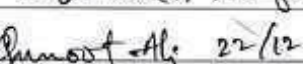
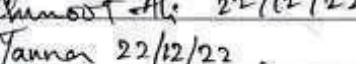
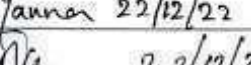
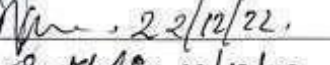
### **Topics**

Ethnobotany and its relevance in today's life  
Folk medicines in India

**Mentor: Ms. Atreyee Banerjee, SACT II, Dept. of Botany**

DEPARTMENTAL SEMINAR-2

Seminar Attendees :-

Sl. No.	Full Name	Class/Department	Signature with date
①	FARIDA KHATOON	URDU	 22/12/22
②	DR. PALLAB PYNE	COMMERCE	 22/12/22
③	DR. MAHMOOD REYAZ	urdu	 22/12/22
4.	DR. RUNA CHATTOPADHYAY	Bengali	
5.	Rukmi Basu	Bengali	
6.	Sajal Kumar Datta	Bengali	 22.12.22
7.	Puja Das	Political Science	
8.	Ayesha Farhan	BSC General	 22/12/22
9.	Sayandeep Pal	BSC General	 22/12/22
10.	Anam	BSC General	 22/12/22.
11.	ADNAN JAHANGIR	BSC PHYA (H)	 22/12/22.
12.	RASHK MAHMOOD	BSc PHYA	 22/12/22.
13.	MD. GOLAM. MOHUBDIN	BSC PHYA	 22/12/22
14.	MUSARRAT NAJIM.	BSC PHYA	 22/12/22.
15.	MUSARAF JAHAN	BSC PHYA	 22/12/22
16.	AFREEN PARVEEN	BSC PHYA	 22/12/22
17.	SHABINA KHATOON	BSC PHYA	 22/12/22
18.	AARSHI PARVEEN	BSC PHYA	 22/12/22
19.	SMIBANI BHOWMICK		 22.12.22
20.	Swapom Barua.		 22/12.22
21.	Dolby Pal		
22.	Kulsum Khatoon	Bsc PHYA (III)	
23.	Tausiqua Islam.	Bsc PHYA (III)	
24.	Muwaabeen Negar	Bsc PHYA (III)	
25.	Sumot Ali	BSC General (V)	 22/12/22
26.	Tanusri Manna	B.Sc General (V)	 22/12/22.
27.	Amin Firdaus	B.S General (V)	 22/12/22.
28.	Sayeeda Khatoon	B.Sc General (V)	 22/12/22
29.	Rima Khatoon	B.Sc General (V)	 22/12/22
30.	Nahed Zakya Takshis	BSC General (V)	 22/12/22.
31.	Alok Chattopadhyay	Physiology	 22/12/22



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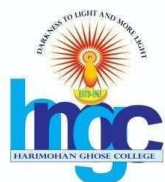
## DEPARTMENT OF BOTANY

*This is to certify that Ms. Ramsha Siddiquee (B. Sc. General, Semester V) delivered a lecture on the topic entitled "Ethnobotany and its relevance in today's life" in the Departmental Seminar held on 22.12.2022.*

**Dr. Prabir Biswas**  
Principal  
Harimohan Ghose College

**Dr. Jayanta Mitra**  
IQAC Coordinator  
Harimohan Ghose College

**Dr. Anrini Majumder**  
Head, Department of Botany  
Harimohan Ghose College



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## Departmental seminar no. 3

**Theme:** *Economically important plants*

*Plant physiology*

**Date:** 24<sup>th</sup> May, 2023

**Time:** 1:00 pm

**Venue:** Smart classroom

Sl. No.	Speakers	Topics
1.	Ms. Rima Khatoon (B.Sc Gen, Sem VI)	Cultivation of rice
2.	Ms. Amina Firdaus (B.Sc Gen, Sem VI)	Cultivation of tea
3.	Ms. Kulsum Khatoon (B.Sc Hons, Sem IV)	Photoperiodism and the flowering response
4.	Mr. Shubham Roy (B.Sc Hons, Sem IV)	Transpiration: a necessary evil

**Mentors:** Dr. Anrini Majumder, Asst. Prof., Dept. of Botany

Ms. Atreyee Banerjee, SACT I, Dept. of Botany

**Outline of the topics:** Plant life is essential for the survival of all animals on earth, including human beings. Plants, directly or indirectly, provide food to the animal world. Human beings have been dependent on plants not only for food, fodder and fuel, but also for medicines, fibres, chemical products and other essential commodities. Economic Botany, in simple words, is the interaction of people with plants. It also focuses on the processes as well as the products involved in plant cultivation and gives information about the plant origin in terms of their primary centres. In the third seminar organized by the Department, the participating students gave emphasis on the cultivation techniques of two important cash crops - Rice and Tea. Different cultivation practices along with their problems were discussed by the students.

The second theme presented by the students was plant physiology. Plant physiology is a basic discipline concerned with the functioning of plants. It is a branch of Botany which explains the various

  
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aspects of plant growth and development. It tells us how the constituent cells of the plant body perform organ-specific functions. It also tells us how plants respond to the changing environments and control their water retention capacities, flowering responses, senescence patterns etc. In this seminar, students explained about the process of flowering in response to the duration of daylight and also gave a brief account of transpiration, the process of loss of water from the plant body in the form of vapour.



Photographs of the seminar

*(Signature)*  
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# HARIMOHAN GHOSE COLLEGE

## Departmental Seminar

Organized by

## DEPARTMENT OF BOTANY

24<sup>th</sup> May 2023 1:00 pm Smart classroom

### Speakers

### Topics

Theme 1:  
Economically  
important plants

1. Ms. Rima Khatoon (B.Sc Gen, Sem VI)
2. Ms. Amina Firdaus (B.Sc Gen, Sem VI)

Cultivation of rice  
Cultivation of tea

Theme 2: Plant  
physiology

3. Ms. Kulsum Khatoon (B.Sc Hons, Sem IV)
4. Mr. Shubham Roy (B.Sc Hons, Sem IV)

Photoperiodism and the  
flowering response  
Transpiration:  
a necessary evil

**Mentors: Dr. Anrini Majumder, Asst. Prof., Dept. of Botany**  
**Ms. Atreyee Banerjee, SACT II, Dept. of Botany**

# DEPARTMENTAL SEMINAR - 3

24/5/23.

## Seminar Attendees :-

No.	Full Name	Designation / class - Department	Signature with date
1.	DR. ALOK CHAITOPADHYAY	HOD, Physiology	<i>Alok Chaitopadhyay</i> 24/5/23
2)	DR. PIYALI MUKHERJEE	Physiology - GI	<i>Piyali Mukherjee</i> 24.5.23
3.	SAMRAT SAHA	Physiology	<i>Samrat Saha</i> 24.05.23
4)	Nida Khatoon	BSC-PHYA - IV Sem	<i>Nida Khatoon</i> 24/05/2023
5)	Sabe Noor	BSC-PHYA VI Sem	<i>Sabe Noor</i> 24/5/23
6)	Al-Sadaq	B.Sc. PHYA VI Sem.	<i>Al-Sadaq</i> 24/5/23
7)	Nafisa Khatoon	BSc. PHYA VI sem	<i>Nafisa Khatoon</i>
8)	Sabreen Khatoon	BSc. PHYA VI SEM	<i>Sabreen Khatoon</i>
9)	Rifat Khatoon	BSc. PHYA VI SEM	<i>Rifat Khatoon</i> 24/5/23
10)	Afreen Parveen	BSc. PHYA VI SEM	<i>Afreen Parveen</i> 24/5/23
11)	Musarrat Jahon	BSC-PHYA VI SEM	<i>Musarrat Jahon</i> 24/05/23
12)	Shabina Khatoon	BSC-PHYA VI SEM	<i>Shabina Khatoon</i> 24/5/23
13)	MUSARRAT NADIM	BSC-PHYA-VI SEM.	<i>Musarrat Nadim</i> 24.05.23
14)	RASHIK MAHMOOD	BSc.PHYA.VI SEM	<i>Rashik Mahmood</i> 24.05.23
15)	ABNAN JAHANGIR	BSC-PHYA-VI SEM	<i>Abnan Jahangir</i> 24.05.23
16)	AARSHI PARVEEN	BSC PHYA VI SEM	<i>Aarshi Parveen</i> 24-5-23
165.	Dolly Pal	Botany	<i>Dolly Pal</i>

FULL NAME DEPARTMENT/CLASS SIGNATURE WITH DATE.

17)	MD. SHAKIR	NON-TEACHING STAFF	<u>Shakir</u>
18)	Tausiqun Imam	B.Sc. - PHYA - IV sem (H)	Tausiqun Imam. 24/5/23
19)	Habiba Afzal	BSc - PHYA - IV Sem (H)	Habiba Afzal 24/5/23
20)	Nahed Zakya Takshu	BSC - General VI Sem	<u>Takshu</u> 24/5/23
21)	Tannisi Manna	BSC - General VI Sem	Tanna 24/5/23
22)	Muqarabeen Negao	Bsc towards IV Sem	M. Negao 24/5/23
(23)	Kaynat Jauhid	BSc (G) VI Sem	Karauhid 24/5/23
(24)	Ramsha Siddiquee	Bsc. (G) VI sem	Ramsha Siddiquee.
(25)	Ashi Hassan Ansari	Bsc. PHYA - IV sem (H)	(Ashi Hassan Ansari 24/5/23)
26.	ATREYEE BANERJEE	Teacher in Botany	Banerjee. 24.5.23
27	Shekhar Salaluddin	Asst. Prof. in Political Science	Salaluddin 24/5/23



Mr.


# HARIMOHAN GHOSE COLLEGE

**Paharpur Road, Garden Reach, Kolkata**

## **DEPARTMENT OF BOTANY**

This is to certify that Ms. Rima Khatoon (B. Sc. General, Semester VI) delivered a lecture on the topic entitled "Cultivation of rice" in the Departmental Seminar held on 24.5.2023.

  
**Dr. Prabir Biswas**  
Principal  
Harimohan Ghose College

  
**Prof. Jayanta Mitra**  
IQAC Coordinator  
Harimohan Ghose College

  
**Dr. Anrini Majumder**  
Head, Department of Botany  
Harimohan Ghose College