

**GOVERNMENT GENERAL DEGREE COLLEGE,
MANGALKOTE**

SEMINAR REPORT

ON

Bioplastics: A Sustainable Alternative

ORGANISED BY: UGC-SEMINAR COMMITTEE

DATE: 14.09.22

TIME: 02.00 pm – 3.30 pm

VENUE: Seminar Hall, 2nd Floor

OBJECTIVE OF THE SEMINAR:

The programme was organised with the purpose of discussing the deleterious effects of plastic on the environment and its mitigation strategies. It was also aimed to keep the students updated about the recent research trends in this field.

SPEAKER:

Dr. Dinesh Maity, Assistant Professor, Department of Chemistry, GGDC, Mangalkote

PROCEEDINGS OF THE SEMINAR:

The speaker introduced the students to the growing environmental crises associated with plastic pollution. He pointed out how traditional plastics, derived from fossil fuels, contribute significantly to this problem. He then explained 'Bioplastics' as a class of plastics made from renewable biomass sources like corn starch or sugarcane which offer a promising alternative. His presentation explored the potential of bioplastics for a more sustainable future. He outlined the key differences between bio-based and biodegradable varieties. Then, he delved into the various types of bioplastics, including PLA, PHAs, and PBS, highlighting their unique properties and applications. He stressed on the environmental benefits of bioplastics. He elaborated how reducing reliance on fossil fuels and lowering greenhouse gas emissions, bioplastics can contribute to a more sustainable plastic life cycle. He described the biodegradable nature of bioplastics which offer a particularly attractive solution, as they can break down into harmless components by microorganisms, potentially reducing plastic pollution in landfills and the environment. Following this, he explained the challenges associated with bioplastics some of which involve high production cost, low availability and paucity of infrastructure for composting biodegradable bioplastics. He concluded his talk by detailing the research trends in this field and its importance in creating a more sustainable future for our planet.

PARTICIPANT DETAILS:

NO. OF STUDENTS REGISTERED FOR THE PROGRAMME: 40

NO. OF STUDENTS ATTENDED THE PROGRAMME: 32

OUTCOME OF THE PROGRAMME:

The seminar could successfully make the students aware about the rising environmental concerns because of rampant use of plastics. They were informed about researches on suitable alternatives to plastics, the shortcomings and further research that can make bioplastics globally acceptable and affordable.

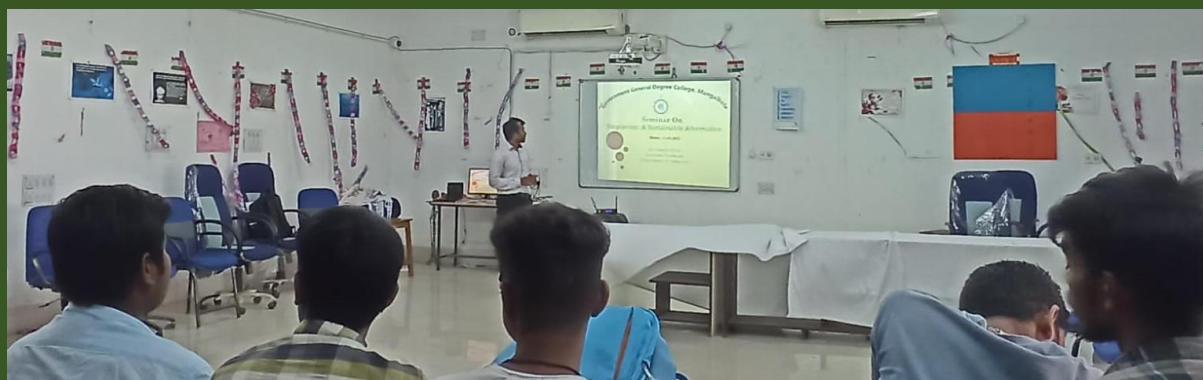


Dr. Pradipta Kumar Basu
OFFICER IN CHARGE, W.B.E.S.
Government College, West Bengal
Dr. P. K. Basu, West Bengal-711102

GLIMPSES FROM THE SEMINAR



PIC.1: THE SPEAKER WITH HIS PRESENTATION



PIC.2: THE SPEAKER DELIVERING HIS LECTURE

GOVERNMENT GENERAL DEGREE COLLEGE AT MANGALKOTE

UGC-SEMINAR COMMITTEE

DATE: 14.09.22

TITLE OF SEMINAR: Bioplastics: A Sustainable Alternative

SPEAKER: Dr. Dinesh Maity, Assistant Professor, Department of Chemistry, GGDC, Mangalkote

STUDENTS ATTENDANCE CUM PARTICIPATION REPORT

SL. NO.	NAMES OF REGISTERED STUDENTS	STREAM	SEMESTER	PRESENT/ABSENT
1	NASIMA AFROJ	ZOOLOGY	SEM III	PRESENT
2	RUBI KHATUN	ZOOLOGY	SEM III	PRESENT
3	SATYAM DEWASIN	ZOOLOGY	SEM III	PRESENT
4	SHRABANI PAL	ZOOLOGY	SEM III	PRESENT
5	BILLAL SK	ZOOLOGY	SEM III	PRESENT
6	DEBABRATA DAS	ZOOLOGY	SEM III	PRESENT
7	ARITRA DUTTA	ZOOLOGY	SEM V	PRESENT
8	DEBKANTA PAL	ZOOLOGY	SEM V	PRESENT
9	MALA DAS	ZOOLOGY	SEM V	PRESENT
10	PRIYANKA SAHA	ZOOLOGY	SEM V	PRESENT
11	RUPAM GOSWAMI	ZOOLOGY	SEM V	ABSENT
12	RAJASHREE DEY	SOCIOLOGY	SEM III	PRESENT
13	SURAIYA PARVIN	SOCIOLOGY	SEM III	ABSENT
14	SUSMITA HAZRA	SOCIOLOGY	SEM III	PRESENT
15	ANKAN SAMANTA	SOCIOLOGY	SEM V	ABSENT
16	SABINA YASMIN	BA GEN.	SEM III	PRESENT
17	SK HAFIJUR RAHAMAN	BA GEN.	SEM III	PRESENT
18	SK MD NASIM	BA GEN.	SEM III	ABSENT
19	SOMA SAMUI	BA GEN.	SEM III	PRESENT
20	MOSHARAF SEIKH	BA GEN.	SEM V	PRESENT
21	PALLABI MONDAL	BA GEN.	SEM V	ABSENT
22	PAPRI GHOSH	BA GEN.	SEM V	PRESENT

Sushmita Das

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GGDC, MANGALKOTE**



23	SUMAIYA KHATUN	HISTORY	SEM III	PRESENT
24	TANMOY NOWAR	HISTORY	SEM III	PRESENT
25	RIYA KHATUN	HISTORY	SEM V	PRESENT
26	RUPSONA KHATUN	HISTORY	SEM V	ABSENT
27	SAYAN PAL	HISTORY	SEM V	PRESENT
28	RIYA PRAMANIK	POL. SC.	SEM III	ABSENT
29	SUDHA GHOSH	POL. SC.	SEM III	PRESENT
30	SUMI KHATUN	POL. SC.	SEM III	PRESENT
31	BEAUTI MAJHI	POL. SC.	SEM V	PRESENT
32	BISWAJIT SARKAR	POL. SC.	SEM V	ABSENT
33	MOUSUMI SAHA	BENGALI	SEM III	PRESENT
34	PRIYANKA GHOSH	BENGALI	SEM V	PRESENT
35	RIYA MONDAL	BENGALI	SEM V	PRESENT
36	SIMA DAS	ENGLISH	SEM III	PRESENT
37	SOHANA SULTANA	ENGLISH	SEM III	PRESENT
38	UTTARA KONER	ENGLISH	SEM III	PRESENT
39	NAJMA KHATUN	ENGLISH	SEM V	PRESENT
40	PRIYA MALLICK	ENGLISH	SEM V	PRESENT

Sushismita Das

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GGDC, MANGALKOTE**



GOVERNMENT GENERAL DEGREE COLLEGE AT MANGALKOTE

UGC-SEMINAR COMMITTEE

DATE: 07.09.22

NOTICE

All concerned are hereby notified that a Seminar on “*Bioplastics: A Sustainable Alternative*” has been scheduled to be organised by the UGC-Seminar Committee, GGDC, Mangalkote on 14.09.22 from 2.00 pm – 3.30 pm (venue – Seminar Hall, 2nd Floor). The programme aims to spread awareness about the harmful effects of plastics on the environment and their suitable alternatives. Dr. Dinesh Maity, Assistant Professor, Department of Chemistry, GGDC, Mangalkote will act as the in-house resource person for the said programme.

Accordingly, all the departments are requested to encourage their students to participate in the programme and register for the same as early as possible. The brochure will be shared shortly.

COUNTERSIGNED



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GGDC, MANGALKOTE**



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GGDC, MANGALKOTE**



GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE
UGC SEMINAR COMMITTEE

Invites you to join the
SEMINAR

on

BIOPLASTICS: A SUSTAINABLE ALTERNATIVE



on **14th SEPTEMBER, 2022**

at: **02.00 P.M.**

Venue: **Seminar Hall, 2nd Floor**

ABOUT THE PROGRAMME:

The programme targets to discuss the growing issues of plastic pollution which went largely unnoticed by the policy makers. Their effects range from land to aquatic ecosystems and lately the merging problems of microplastics which are being reported by several research articles. This has encouraged research for green alternatives since plastics cannot be done away with all of a sudden. Bioplastics seem to be a good alternative. Making the students aware about these issues can help us achieve a greener future by minimizing the use of conventional plastics to some extent.

TARGET AUDIENCE:

U.G. Students of GGDC, Mangalkote

SPEAKER:

PROF. DINESH MAITY
ASSISTANT PROFESSOR,
DEPARTMENT OF CHEMISTRY,
GGDC, MANGALKOTE



Dr. Pradipta Kumar Basu
OFFICER IN CHARGE, W.B.E.S.
Government General Degree College, Mangalkote
Dt. Purba Bardhaman, West Bengal- 713132



Government of West Bengal
Office of the Principal
GOVERNMENT GENERAL DEGREE COLLEGE, MANGALKOTE
PANCHANANTALA, KHUDRUN DIGHI, MANGALKOTE
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DISTRICT - PURBA BARDHAMAN; WEST BENGAL; PIN CODE - 713132; INDIA
Email: ggdcmangalkote@gmail.com; Website: <https://mangalkotegovtcollege.org>

To,
Dr. Dinesh Maity
Assistant Professor
Department of Chemistry
GGDC, Mangalkote, Burdwan

Sub: Invitation to deliver a Special Lecture titled “*Bioplastics: A Sustainable Alternative*” in the in-house seminar organized by UGC-Seminar Committee, GGDC, Mangalkote on 14.09.2022 at 02:00 PM.

Sir,

It is our honour to invite you as a speaker to deliver a Special Lecture titled “*Bioplastics: A Sustainable Alternative*” in the in-house seminar organized by UGC-Seminar Committee, GGDC, Mangalkote on 14.09.2022 at 02:00 PM. We sincerely hope that it will be an enriching experience for the students to listen to your thought provoking and pertinent deliberation.

We shall be highly obliged if you kindly accept our invitation.

Officer-In-Charge
GGDC, Mangalkote





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Email: ggdcmangalkote@gmail.com; Website: <https://mangalkotegovtcollege.org>

Certificate of Appreciation

This certificate is awarded to:

Dr. Dinesh Maity
Assistant Professor, Department of Chemistry
GGDC, Mangalkote

In recognition of his valuable contribution as an in-house speaker in the seminar entitled “*Bioplastics: A Sustainable Alternative*” on 14.09.2022, organized by the UGC-Seminar Committee, GGDC, Mangalkote.

Officer-In-Charge
GGDC, Mangalkote



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