

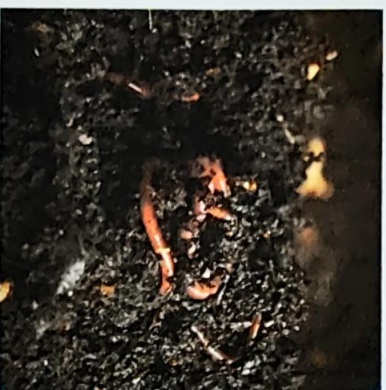
ONE DAY STATE LEVEL SEMINAR

ON

USE OF VERMICOMPOST IN AGRICULTURE



SPEAKER: DR. DEBKANTA MANDAL
DISTRICT MANAGER
WEST BENGAL STATE SEED
CORPORATION LTD., HOOGHLY



Organized by,
Department of Botany AND I.Q.A.C
Polba Mahavidyalaya
Polba, Hooghly, W.B.
Pin-712148

To
The Teacher-in-Charge
Polba Mahavidyalaya
Polba, Hooghly
Pin- 712148

Sub: Seeking permission to organize a one-day State Level Seminar on "Use of Vermicompost in Agriculture"

Respected Sir,

With due respect, I, on behalf of Department of Botany in collaboration with IQAC, Polba Mahavidyalaya, would like to request your kind permission to organize a one-day State Level Seminar on "Use of Vermicompost in Agriculture" in the college premises. The proposed date of the said seminar will be held on the 14th March, 2023. The date would be finalized accordingly to the convenience of the Resource Person.

- Proposed Resource Person: Dr. Debkanta Mandal
District Manager,
West Bengal State Seed Corporation Ltd.
- Proposed Budget:
 - Resource Person Honorarium: Rs. 1000/-

Hope you would be kind enough to provide your administrative and financial permission for the forthcoming Seminar.

Thanks and Regards,

Abira Banerjee

Dr. Abira Banerjee
Assistant Professor,
Department of Botany
Polba Mahavidyalaya

02.03.23.



Allowal
W. Kabata
02/3/23.

Teacher in Charge
Polba Mahavidyalaya
Polba, Hooghly, West Bengal

A. Banerjee
24.03.23.



Telephone: (03213) 225128, 225133

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POLBA MAHAVIDYALAYA

Post Office - Polba, District – Hooghly, West Bengal, Pin - 712148

AFFILIATED TO THE UNIVERSITY OF BURDWAN

Recognized under Sections 2(f) & 12(B) of the UGC Act. 1956

NAAC Accredited

Ref. No.

Date: 02/03/2023

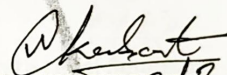
Notice

All teaching, Non- Teaching Staff and Students of Polba Mahavidyalaya are hereby informed that Department of Botany in collaboration with IQAC is going to organise a State Level Seminar on “Use of Vermicompost in Agriculture” on 14/03/2023 at the college premises.

All are requested to be present on this occasion positively.



Coordinator
IQAC



Teacher- In- Charge

Teacher in Charge
Polba Mahavidyalaya
Polba, Hooghly, West Bengal

A. K. Banerjee
24.03.23.



POLBA MAHAVIDYALAYA
(AFFILIATED TO THE UNIVERSITY OF BURDWAN)
Polba, Hooghly, Pin-712148

To
Dr. Debkanta Mandal
District Manager,
West Bengal State seed Corporation Ltd.

**Sub: Invitation to deliver a speech as a Resource Person in One- Day State Level Seminar
on "Use of Vermicompost in Agriculture"**

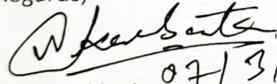
We feel happy to announce that the Department of Botany in collaboration with IQAC, Polba Mahavidyalaya is going to organize One- Day State Level Seminar on "Use of Vermicompost in Agriculture" on 14th March, 2023 at the college premises.

On this occasion, on behalf our Institute, I cordially invite you to deliver one- hour lecture from 12.30 pm as a very distinguished Resource Person.

Intimation from your end in confirmation would be highly appreciated.

Thanking you,

With Regards,


07/3/23
Mr. Narugopal kaibarta
Teacher-in-Charge
Polba Mahavidyalaya
Polba, Hooghly
Pin- 712148



A. T. Sanjeev
24. 3. 23.

One day state level seminar on "Use of Vermicompost in Agriculture" by Dr. Debkanta Mandal organized by department of Botany and I.Q.A.C, Polba Mahavidyalaya, Polba, Hooghly, WB, Pin-712148.

12:30 PM

The seminar begins with sacred hymns by Dr. Swagata Mazumdar.

12:40 PM

Ignition of lamp by respected Teacher in Charge in presence of Resource Person and others.

12:45 PM

Honorable Teacher in Charge and respected Resource Person were felicitated.

12:50PM

The Teacher in Charge delivered the inaugural speech.

1:15PM

Dr. Abira Banerjee, Head of the department of Botany, Polba Mahavidyalaya introduced the honorable Resource Person.

1:30PM

Dr. Debkanta Mandal, District Manager, West Bengal State Seed Corporation Ltd. Hooghly, delivered his deliberation on 'Use of Vermicompost in Agriculture' which continued till 2:25 PM.

2:30 PM

Interactive session.

3:15 PM

Vote of Thanks is given by Sanchita Seal.

The programme was anchored by Tulika Ghosh. The seminar concludes.

A. Banerjee
24. 3. 23.

Objective:

To help the students understand how to compost organic waste to feed nutrient-deficient soil with high-quality manure as well as to dispose of solid organic waste. In this process students also learn how to increase soil fertility in Agriculture.

A. T. Sauronjee
24. 3. 23

Report of one day seminar on "Use of Vermicompost in Agriculture" on 14th March, 2023.

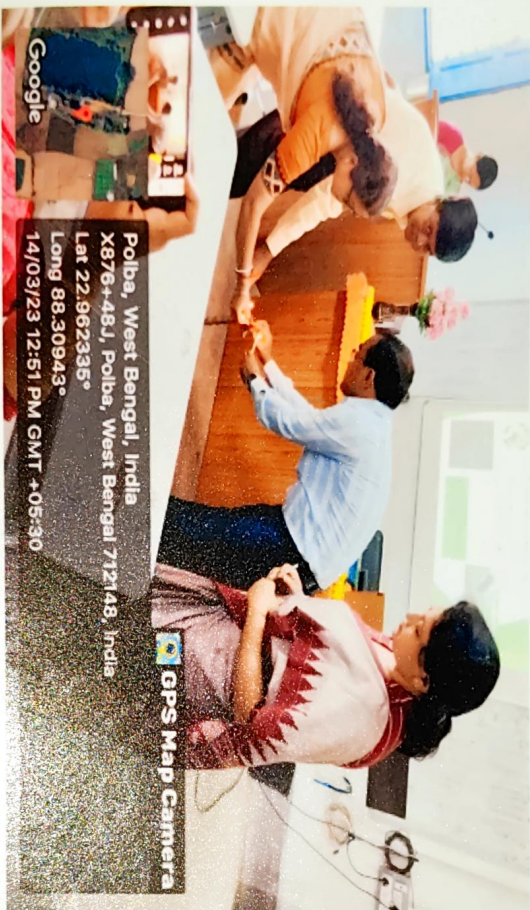
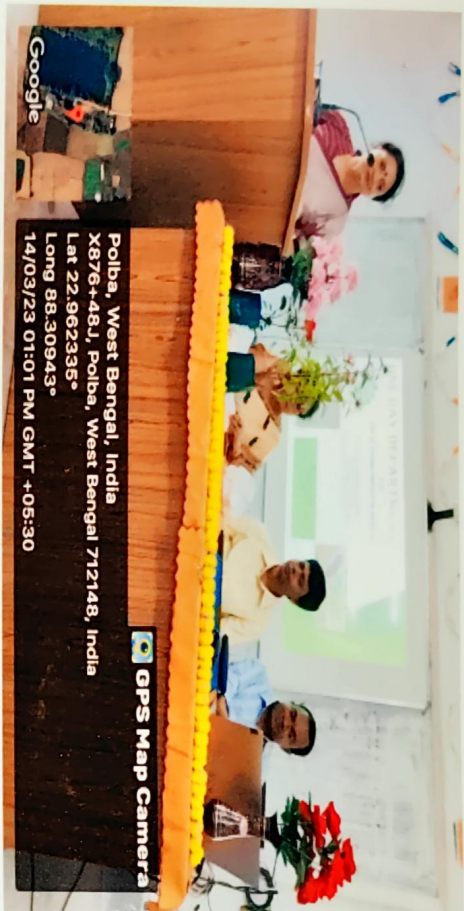
A seminar on "*Use of Vermicompost in Agriculture*" was conducted in the department of **Botany**, Polba Mahavidyalaya, Polba, Hooghly, WB, Pin-712148 on 14/03/2023. With immense help and encouragement from the Teacher in Charge **Shri Narugopal Kaibarta**, Head of the department, Botany **Dr. Abira Banerjee**, I.Q.A.C coordinator **Dr. Santanu Sengupta**, and faculties of other departments organized this programme. All the faculties and 22 students were present in the seminar.

The seminar begins with sacred hymns by **Dr. Swagata Mazumdar**.

After ignition of lamp and felicitation of the respected Resource Persons, the honorable Teacher in Charge **Shri Narugopal Kaibarta** delivered the inaugural speech. Thereafter **Dr. Abira Banerjee**, HOD Botany, Polba Mahavidyalaya introduced the honorable Resource Person. Shortly after this, the chief guest **Dr. Debkanta Mandal**, District Manager, West Bengal State Seed Corporation Ltd., Hooghly delivered his deliberation on 'Use of Vermicompost in Agriculture'. He discussed the general background, scope, importance, and use of the organic fertilizer in Agriculture in a simple and easiest way so that the students could enjoy thoroughly. The seminar ended at about 2:30pm.

Vote of Thanks is given by faculty members of Botany department **Sanchita Seal**. and the programme was anchored by **Tulika Ghosh**, faculty member of Botany department.

A. Banerjee
24. 3. 23.



A. Banerjee
 24.3.23.

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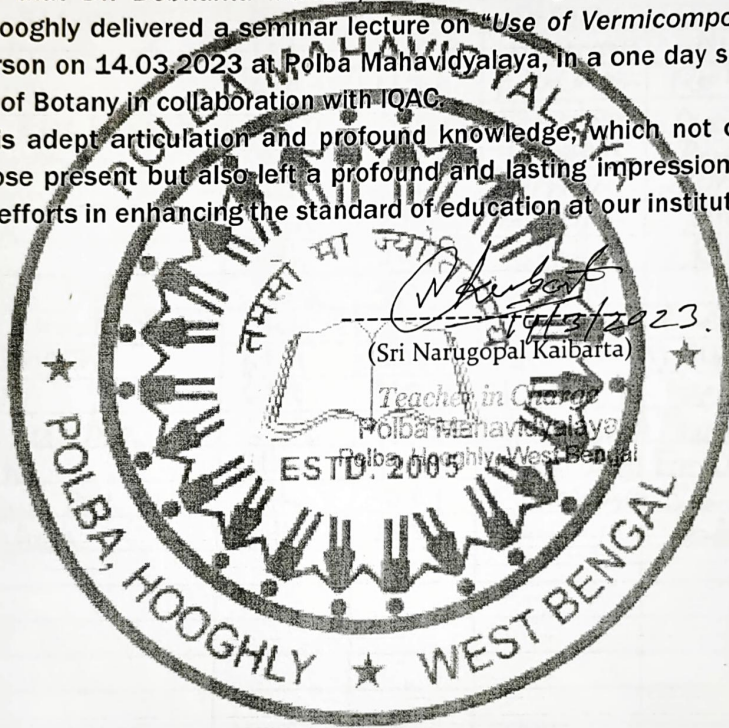
Ref. No.

Date: **14-03-2023**

To whom it may concern

This is to certify that Dr. Debkanta Mandal, District manager, West Bengal State Seeds Corporation Ltd., Hooghly delivered a seminar lecture on "Use of Vermicompost in Agriculture" as the resource person on 14.03.2023 at Polba Mahavidyalaya, in a one day seminar organized by the Department of Botany in collaboration with IQAC.

We appreciate his adept articulation and profound knowledge, which not only enriched the young minds of those present but also left a profound and lasting impression. We are grateful for his painstaking efforts in enhancing the standard of education at our institution.



A. Banerjee
24.3.23.

POLBA, HOOGHLY, PIN-712148

14.3.2023

A. Banerjee
24.3.23.

USE OF VERMICOMPOST IN AGRICULTURE

Dr. Debkanta Mandal

District Manager,

West Bengal State Seed Corporation Ltd.,

Hooghly

Abstract:

As population growth, urbanization, and industrialization continue to accelerate, the generation of waste has reached unprecedented levels. The improper disposal and mismanagement of waste have led to a range of environmental, health, and socio-economic concerns.

With more waste being produced than ever before, landfills are rapidly reaching capacity. Traditional waste disposal methods, such as landfilling and incineration, can lead to soil and water pollution, emission of harmful gases, and contribute to climate change.

To combat such situations like the negative impacts of waste generation, innovative solutions, such as increased recycling, adoption of circular economy principles, and sustainable waste reduction strategies, are essential. The main idea is to produce an organic fertiliser that will be cost effective, will improve the physical and chemical properties of the soil and will also provide structural stability to the soil. Vermicomposting is one such solution. Vermicompost, is rich in essential nutrients such as nitrogen, phosphorus, potassium, and micronutrients. It has a well-balanced nutrient profile that enhances soil fertility and supports plant growth

Vermicompost improves soil structure by enhancing its water-holding capacity, drainage, and aeration. The organic matter in vermicompost helps to create a crumbly soil texture, which is beneficial for plant root development.

The digestive activities of earthworms enrich the vermicompost with beneficial microorganisms. These microorganisms contribute to soil health by promoting nutrient cycling, suppressing harmful pathogens, and supporting overall soil ecosystem functioning.

Once established, vermicomposting systems require relatively low maintenance. Regular feeding of worms with organic waste and occasional monitoring of moisture levels and conditions are typically all that's needed.

It is easily affordable by farmers particularly in the economically weaker sections.

A. T. Sanyal
24. 3. 23.