

Certificate Course (Add on Course) In Vermiculture for organic feeding of Plants Poultry and Fishes

Department of Zoology, Nalbari College

Coures Code- ZOO/ADD/2201

“Earthworms are friend of Farmers.” The earthworms are feed on organic waste to produce organic manure is the vermiculture. Vermiculture and vermicomposting are the best and environment friendly methods for producing nutrient rich manure from biodegradable waste. The course on vermicomposting aims at imparting sufficient understanding and skill to the student for an economically viable activity. Vermiculture is environment friendly system of producing the food of all plants for healthy ecosystem.

Aims and objectives :

- 1) The learners will learn how to do vermiculture in a systematic way.
- 2) Able to get hands on experience on vermicomposting.
- 3) This will increase the awareness and skill availability in the need of the day viz. organic farming.

Eligibility of the course : 12 pass

Fees structure : Free

Intake capacity : Total numbers of seats 23

Duration of the course : 30 Hours

Duration of Course:1st Feb,2023 to 29th April,2023

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Syllabus :

Unit I >>

1. Vermiculture – Definition, History, scope and economic importance.
2. Earthworms-Taxonomic Position and Diversity of different species of earthworms.
3. Eiseniafetida- Systematic position, Morphology and Life cycle.

Unit II >>

1. Common species for Vermiculture, Environmental requirements, culture methods
2. Applications of Vermiculture, re vermicompost as an alternative to
3. Role of vermiculture in maintaining the health of soil and humans.
4. Economic importance of vermiculture
5. Role of Vermiculture in protecting the environment and managing the waste.

Unit III >>

1. Vermicomposting Materials
2. Types of vermicomposting
 - a) Small Scale Vermicomposting
 - b) Large Scale Vermicomposting
3. Methods of Vermicomposting. Bed Method, Pit Method.
4. Phases and Steps of Vermicomposting.

Unit IV >>

1. Harvesting of compost and earthworm
2. Nutrient Content of Vermicompost
3. Advantages of Vermicompost(worms as food of Fish and Poultry)
4. Vermiwash, Preperation and Applications
5. Prospects of vermi-culture as self employment venture

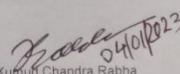
Reference Books :

1. R.K. Bhatnagar & R.K. Palta- Earthworm Vermiculture and Vermicomposting. Kalyani Publishers, No. 1, Mahalakshmi Street, T. Nagar, Chennai -600 017
2. P.K. Gupta - Vermi Composting for Sustainable Agriculture. AGROBIOS (India), Agro House, Behind Nasrani Cinema, Chopasani Road, Jodhpur - 342 002
3. Sathe, T. V. -Vermiculture and Organic Farming. Daya Publishing House
4. Bhatt J.V. & S.R. Khambata (1959)- Role of Earthworms in Agriculture. Indian Council of Agricultural Research, New Delhi.
5. Kevin, A and K.E Lee (1989)- Earthworm for Gardeners and Fisherman* (CSIRO, Australia, Division of Soils)
6. Rahudakar V.B. (2004)-GandulkhatashivayNaisargeekParyay. Atul Book Agency, Pune
7. Satchel, J.E. (1983)- Earthworm Ecology Chapman Hall, London.
8. Wallwork, J.A. (1983)-Earthworm Biology. Edward Arnold (Publishers) Ltd. London.

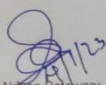
Learning Outcomes :

1. Understanding the role of worm farming in green culture.
2. Understanding the potential of vermicompost as an alternative to chemical fertilizers.
3. Role of vermiculture in maintaining the health of soil and humans.
4. Economic importance of vermiculture in agriculture, pisciculture and poultry.
5. Role of Vermiculture in protecting the environment and managing the waste.

(The syllabus is compiled by Sri Kumud Chandera Rabha, HoD and Dr. Meetal Deori, Assistant Professor of the Department of Zoology)


Kumud Chandra Rabha
HoD

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Principal

Nalbari College, Nalbari

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Nalbari College, Nalbari
Nalbari : Assam



:: DEPARTMENT OF ZOOLOGY ::

Registration Form

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20/10/23

Head of the Department of Zoology
Nalbari College, Nalbari (Assam)



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Registration Form

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Head
20/01/2023

Head of the Department of Zoology
Nalbari College, Nalbari (Assam)



**ADD ON COURSE ON
VERMICULTURE FOR ORGANIC FEEDING OF PLANTS,
POULTRY AND FISHES**

COURSE CODE : ZOO/ADD/2201

CERTIFICATE NO. :


OFFERED BY :

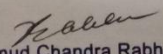
DEPARTMENT OF ZOOLOGY, NALBARI COLLEGE

CERTIFICATE OF COMPLETION

*This is to certify that Mr./Ms..... has
successfully completed Add on Course on Vermiculture for Organic Feeding of Plants, Poultry and
Fishes offered by the Department of Zoology, Nalbari College from 1st February 2023 to 29th April
2023 for a duration of 30 hours.*

BEST WISHES TO THE PARTICIPANT


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