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## REPORT ON ORGANIC FARMING THROUGH VERMICOMPOSTING

**Date of organization of workshop:** 22/02/2023

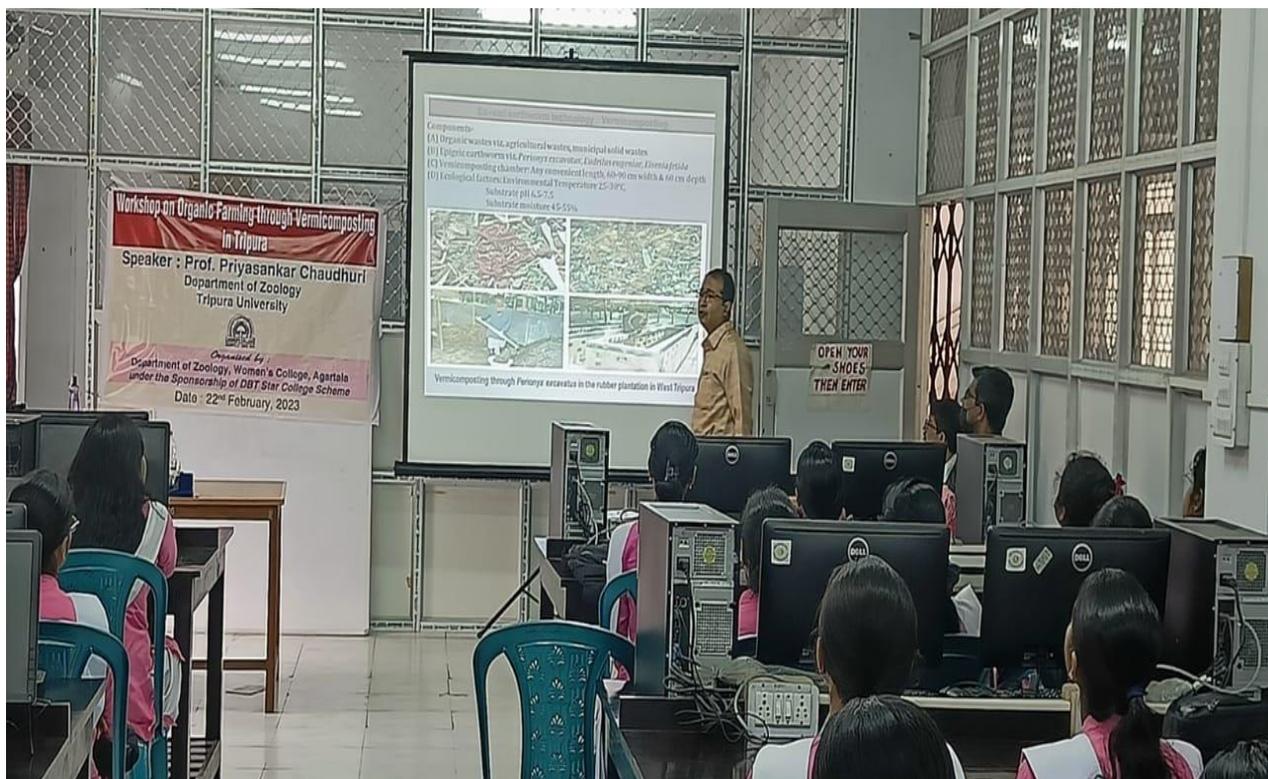
**Resource Person:** Prof (Dr.) Priyasankar Chaudhuri  
Retd. Professor, Department of Zoology, Tripura University

**Organizing Department:** Department of Zoology, Women's College, Agartala,  
Tripura

**Targeted UG Students:** Students of 1<sup>st</sup>, 3<sup>rd</sup> Semester and 5<sup>th</sup> Semester

### Outcomes:

The earthworm species used for Vermicomposting are *Perionyx excavates*, *Eisenia fetida*, *Eudrilus eugeniae*. Organic wastes for vermiculture are cattle solids, poultry wastes, potato peel waste, municipal organic waste including grass clippings, tree leaves as well as food waste from restaurants. Considering the total volume of culture unit, 1/4<sup>th</sup> is to be filled with soil, 1/4<sup>th</sup> with saw dust or rice bran above the soil layer, 1/4<sup>th</sup> with dry cow dung above the sawdust and rest 1/4<sup>th</sup> to be left as empty space. Initially 100 adult worms could be inoculated. 100 worms will multiply resultant 4000 worms in 4-6 months and 14000 worms in a year. Soil moisture should be at about 40-50g% and temperature around 20-25°C is very suitable.





Prof (Dr.) Priyasankar Chaudhuri acted as Resource Person in the Workshop on Organic farming through Vermicomposting in Tripura

  
(Dr. Saumen Chakrabarti)  
HOD  
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