

**ACTIVITIES REPORT OF ECO CLUB**  
**Jawaharlal Nehru College, Boko**

**FIRST DAY ACTIVITY ON SOLID WASTE MANAGEMENT**

**RESOURCE PERSON : Dr Amar Jyoti Kashyap**

**DATE: 13<sup>TH</sup> MAY, 2024**

On 13th May, 2024 a phenomenal workshop was held by the Eco club of JN College, Boko and the Department of Chemistry JN College, Boko. The resource person for the program was Dr Amar Jyoti Kashyap, an environment and solid waste management scientist. It was started with the plantation ceremony at 10:45 am

The second session was held in the K K Handique conference Hall. Eco club coordinator Dr J P Sarma Baruah explained the purpose of the workshop. He also highlighted the program and awareness campaign, essay competition, Painting competition, quiz competition etc held under the banner of Eco club since 2014 in the College. The participants are School students of Boko area and second semester students of J N College. Principal Dr Tapan Dutta, on his welcome address explained the necessity of the Workshop in the present context. A brief introduction of the Resource Person was delivered by Dr A K Goswami, HOD, Chemistry Department.

Dr Amar Jyoti Kashyap , started his presentation with showing one of his interview where he grew home grain vegies, fruits and a rooftop pool where he kept fishes. He also showed how organic waste material helps his vegetable garden to grow healthy. He explained how solid waste affects the earth and the lives of living organisms. He categorised major municipal solid waste as biodegradable, non-biodegradable, mixed, hazardous, electrical and biomedical solid waste. He explained briefly that green dustbin is for biodegradable wastes like peels of fruits and veggies; blue dustbin is for non-biodegradable wastes like sanitary pads, etc ; red dustbin is for hazardous waste, electronic wastes and biomedical wastes like medical wastes. Decentralised solid waste management helps people to reduce littering. He mentioned about source segregation .He showed the waste assimilator invention highlighting the inputs, advantages, categories and outputs. Competitive advantages and plant nutrients produced from the waste assimilator helps to grow more crops compared to normal one. From tea plantation to home grown veggies, he left no business ideas to share.

The workshop went really well organised by ASTEC in collaboration with Eco club of JN College, Boko and department of Chemistry; supported by Ministry of Environment, Forest and Climate Change, Govt of India. NCC unit, NSS group and students union of JN College, Boko was also actively involved in the workshop.

## 2<sup>ND</sup> DAY ACTIVITY ON VERMICOMPOST TECHNIQUE

RESOURCE PERSON: Dr. Kamal Lochan Barman

Date: 22-05-2024

On 22th May, 2024 a workshop was held by the Eco club of JN College, Boko and the Department of Botany JN College, Boko. The resource person for the program was **Dr. Kamal Lochan Barman**. It was started with the plantation ceremony at 10:45 am. Dr. K. L. Barman highlighted the following points.

- ❑ Vermicomposting is a method of preparing compost in which earthworms are used to convert organic waste materials into humus-like compost. Earthworms consume biomass and excrete it in digested form called worm-casts which are rich in nutrients, growth promoting substances, beneficial soil micro flora and having properties of inhibiting pathogenic microbes.
- ❑ Various earthworms are used for vermicomposting among which *Eisenia foetida* and *Eudrilus eugeniae* are potential one.
- ❑ Significance of vermicompost are low cost technology, stimulates plant growth and productivity of soil and acts as a “Soil Conditioner” as its continued application lead to total improvement in the quality of soil and farmland. It reduce or even replace the use of “Dangerous Agrochemicals”, reduce the demand of water for irrigation, pest and disease control.
- ❑ The workshop provide knowledge about suitable and unsuitable raw material used for vermicomposting, materials like pit, worms and bedding for vermicomposting, care and maintenance, procedure of vermicomposting, harvesting and post-harvest technologies as well as precaution and advantages of vermicompost and application procedure of vermiwash etc.
- ❑ During hand on training session, Dr. Barman was assisted by Mr. Chandan Das, guest faculty of Dept. of Zoology, J. N. College. The resource persons provide details about the scientific monitoring of the vermicomposting system especially on temperature, moisture, pH, etc.

In this workshop about 130 numbers of students were participated. NCC unit, NSS group and students union of JN College, Boko was also actively involved in the workshop.

## PHOTO GALLERY OF ACTIVITIES



