

Visit by Postgraduate Student to Biofuel Information and Demonstration Centre, GKVK, Bangalore

Date: 25-04-2014

Venue: Seminar Hall, Department of Organic farming, GKVK, Bangalore

The Biodiesel technology and Biogas technology covers lot of research in climate change mitigation, rainfall, afforestation etc., in Karnataka as well as the impact on the economy due to its use as alternate to fossil fuel. Hence there is a need to encourage students to take up research in these areas. As part of this encouragement agenda we plan to take students of different science and engineering colleges to the Biofuel Information and Demonstration Centres (BIDC) located in Bangalore and make them aware about the scope for research in the areas of biofuel.

The first such visit was organised for the students of Maharani Lakshmi Ammanni College for Women, Bangalore to the Biofuel Information and Demonstration Centres, GKVK, Bangalore on 25th April, 2014. 43 students visited the BIDC accompanied by three faculty of MLACW namely, Mrs. Babitha, Dr. Suneetha and Mrs. Vajjayanthi N.

The faculties and the students were welcomed by Dr. K.T. Prasanna, Department of Environment Sciences and Forestry and Coordinator of BIDC, GKVK, Bangalore who also gave a brief introduction about the Biofuel potential in Karnataka and explained the need for Biofuel utilization. The presentation was followed by interactive session by Mr. Rajesh, Senior Research Fellow, GKVK, Bangalore with following details,

1. Production of Biodiesel by trans-esterification
2. Types of Oil seeds
3. Decentralized procurement of seeds
4. By-product utilization

After the classroom interaction, the students were taken to lab and gave a brief introduction to equipments and technologies.

In the second session the students were taken to Biofuel Information and demonstration Centre, and had gave an exposure to Biodiesel plant, type of seeds, type of expellers, types of Biodiesel production units. Students were taken to nursery to identify biofuel species and finally to the large biogas plant located in the campus where they were briefed about the technologies.



Dr. K T Prasanna delivering the lecture



Mr. Rajesh delivering the lecture



Students participated



Mr. Rajesh explaining about the Transesterification process



Mr. Rajesh explaining about the Biodiesel production



Mr. Rajesh explaining about the Biogas unit