

### **106 D. 5) Bioenergy Cell**

KSCST has setup the bioenergy cell during 2011 with an objective of promotion of the bioenergy activities in the state. The Cell has also setup a laboratory for carrying out experiments on Bioenergy and also promoting Research & Development in bioenergy sector through Student Project Program (SPP).

### **i) Progress Review Meeting held at BRIDC Chitradurga**

The progress review meeting of coordinators of Bioenergy Research, Information and Demonstration Centre (BRIDC), Biofuel Parks, Lead NGO's and Clonal Orchards was held on 14th June 2022 at SJMIT, Chitradurga. The meeting agenda included presentations by the district coordinators, NGO's and clonal orchards regarding biofuel activities for the year 2022-23 and status of funds utilized and revolving funds in each district.



### **ii) Celebration of “World Biofuel Day” held at KVK, Bidar**

Karnataka State Council for Science & Technology (KSCST) in association with Krishi Vigyana Kendra (KVK), Bidar, organized “Celebration of World Biofuel Day (WBD) on 24th August 2022. The program was included with biofuel plantations and vehicles run with biodiesel by delegates.

### **iii) “Hands on training program on biofuels” held at KVK, Bidar**

Hands on training program held on 24th and 25th at KVK, BRIDC, Bidar. Training conducted for the project and laboratory staff of the Bioenergy Research, Information, and Demonstration Centres (BRIDC) from nine districts and NGO's. The participated districts are Ballari, Koppal, Raichur, Yadgir, Kalaburagi, Bidar, Vijayapura, Thinthini Biofuel Park and Davanagere. A total of 16 trainees participated in the training program.

### **iv) Internship projects for students under Bioenergy Cell, KSCST**

Six batches of students participated in the internship projects in bioenergy cell. Two engineering college and two-degree college, students worked on the following projects

- 1. Amrutha Institute of Engineering and Management Sciences (AIEMS), Bengaluru**
  - Biodiesel production from nonedible oil seeds and its characterization
  - Biodiesel production from UCO/rice straw
- 2. Kristu Jayanti College (Autonomous), Bengaluru**
  - Rice straw physicochemical characterization and its applications
  - Production of biodiesel from used cooking oil and UCO characterization
- 3. St. Aloysius College (Autonomous), Mangalore**
  - Extraction and purification of UCO glycerol
- 4. BMS Evening College of Engineering, Bengaluru**
  - Biodiesel production from UCO

Total of 13 students were benefited from this student's internship at Bioenergy Laboratory, KSCST.