

102C. 14) BIOFUEL CELL

Principal Investigator	:	Mr. S. N. Sondur
Duration	:	Ongoing every year
Budget	:	Rs. 15.00 Lakhs
Funding	:	Karnataka State Bioenergy Development Board, GoK

KSCST is coordinating the activities of 33 Biofuel Research, Information and Demonstration centres in State through regular interactions, meetings and workshops. Biofuel Cell is also promoting R & D in biofuels through Student Project Program (SPP) of KSCST and faculties of Engineering Colleges. The Cell has also setup a laboratory for carrying out experiments on Biofuels.

Biofuel Cell activities from April to July 2018:

41st Series SPP-Biofuel Projects: Biofuel cell has received 154 projects proposal from final year Engineering and Science students from universities and Engineering colleges under the 41st series of SPP - Biofuels/ Bioenergy projects. The projects were scrutinised by the panel of experts constituted by KSCST and 87 projects were selected for sponsorship. KSBDB has funded the sponsorship amount for this year SPP Biofuel projects. The Mid-term evaluation of selected projects was held on 25th May 2018 at SVCE College, Bengaluru where in 62 (51 Seminar and 11 Exhibition) projects have been selected for the final Seminar and Exhibition. Seminar and Exhibition was held on 10th and 11th August 2018 at Bapuji Institute of Engineering and Technology (BIET), Davangere and awards to best projects were given.

1st Quarterly Meeting of BRIDC coordinators: The first Quarterly meeting of 2018-19 of Biofuel district coordinators was organised on 30th June 2018 at Institute of Wood Science & Technology (IWST), Bengaluru. The meeting was held to draw the action plan for the district centres for the year 2018-19 and also to take up research projects with funding from different R&D institutions. The meeting was also attended by NGO representatives selected by KSBDB.

Orientation Program: Biofuel cell conducted one day Orientation programme on Biofuels for students of Don Bosco Institute of Technology, Bengaluru, on 30th July 2018 at the District Bioenergy Research, Information and Demonstration Centre located in the University of Agricultural Sciences, GKVK campus, Bengaluru. The orientation program includes a detailed presentation on Biofuel technologies and its application and demonstration of the technology at the Biofuel centre. Total of 25 students and faculties was attended the program. This was the first in the series of Orientation Programmes to be conducted during 2018-19.

Other Activities:

- KSCST in collaboration with Indian Institute of Science and KSBDB is planning to establish Biofuel Park in the newly formed campus of IISc in Khudapura of Challakere taluk, Chitradurga district. An MOU between IISc, KSBDB and KSCST has been signed. The works with regards to plantation will be initiated by KSBDB shortly.
- Biofuel Cell laboratory has successfully extracted oil from spent coffee powder which can be converted into biodiesel. Further experiments are being carried out for analysing the quality of the oil.
- Biofuel Cell has developed a small nursery to propagate seedlings of Biofuel Species. Seeds from different parts of Bengaluru have been collected for propagation will be

raised for plantation at a later stage., Pongamia, neem, mahua and Jatropha are some of the seeds which are being tries for propagation.



1stQuarterly meeting of Coordinators



Orientation program in progress at GKVK, BRIDC



Inauguration of Mid-term evaluation of 41st series SPP-Biofuels



Biofuel Nursery at Biofuel Cell, KSCST



Laboratory Activity