



INDIAN INSTITUTE OF TECHNOLOGY MANDI

KAMAND- 175 005 (H.P.), INDIA

Report

A national workshop on “**Bioprocessing for Energy and Carbon from Agro Residues (BECAR-2018)**” was organized by the School of Basic Sciences IIT Mandi from 23rd-24th January. The workshop is supported by IIT Mandi and DBT-BMBF (Indo-German) project that is active at IIT Mandi and Karlsruhe Institute of Technology Germany. About 60 faculties, students and scientists participated in the workshop representing 10 academic and research organizations.



The workshop was aimed at various processes for the conversion of polymeric Biowaste into profitable products with an emphasis on microbial bioprocessing and pyrolysis process. The workshop facilitated discussions by young scientists and students on a broad range of topics including waste-pretreatment, microbial bioprocessing, associated analytical methods, bioreactor design, pyrolysis, and characterization and applications of pyrolytic carbon.

The workshop covered several relevant topics scheduled over nine sessions

Session 1: Bioprocessing towards industrial applications

Session 2: Microbial applications to Biofuels

Session 3: Bioreactors – design and bioprocessing applications

Session 4: Nano-Biotechnology for Energy and Environment

Session 5: Hands-on Bioreactor training

Session 6: Agroresidue pretreatment technologies and Biofuels applications

Session 7: Engineering Technologies towards value added products from Agrowaste

Session 8: Future directions towards Industrial scaleup of Biofuels and challenges

Notable expert speakers of the event are Dr. Anju Arora (IARI, New Delhi); Dr Anuj K Chandel (University of Sao Paulo-Brazil); Dr. Surajbhan Seveda (IIT Guwahati); Dr Madan Verma (Dr YS Parmar Univ. of Agri. & Hort, Hamirpur); Dr. Garlapati Vijay Kumar (JUIT, Wagnaghat); Mr. S.P. Jeevan Kumar (ICAR Mau); Mr. Ninad Mehendale (IIT Bombay); Ms. Shivali Sahota (IIT Delhi); Dr. Atul Dhar (IIT Mandi); Dr. Preeti Nandal (IIT Mandi); Mr. Ramachandran Balaji (IIT Mandi); Ms. Bandana (IIT Mandi); Mr. Chandrakant Joshi (IIT Mandi); K.V.K. Linga Rao (IIT Mandi). Dr Shyam K. Masakapalli (IIT Mandi) and Dr. Swati Sharma (KIT, Germany) also presented their ongoing DBT-BMBF project.