

Report on STP

We, Pf. Rupinderjit Singh & Dr. Arvind Dhingra attended one week TEQIP-III sponsored Short term course on Biomass to energy and other value added products at IIT Delhi, Sonapat Campus from November 25-29, 2019. The program had various sessions on Biomass to energy products including Biodiesel, Carbon Sequestration, MSW management, Biofuels, Biogasification by experts from IIT, Delhi, JNU, IOCL etc. The sessions were on:

Bio resources

Bio Resource Assessment

Biomass Characterization

Environment Management & Anaerobic Digestion

Biomass and its conversion

Information on Biogas plants

Integration of Bio energy systems for energy sufficiency in rural areas

New Possibilities for bio diesel production

Biogas Enrichment and bottling technology

Thermochemical treatment of biomass energy

Oil seed based Bio refinery

Chemical & Biological looping mechanism for sequestration of carbon dioxide for production of bio mass, bio fuels & bio materials

Energy recovery from Municipal Solid Wastes

Bio ethanol production from Perennial grass

Science & Technology led sustainable solutions: Glimpses of DST initiatives

The brown revolution

Carbon capture and storage: Bio geo based perspective.

A visit to research facility under Bio mass projects was also organized where in participants were shown bio mass gasifiers, pyrolysis apparatus, kitchen waste based Bio gas plant, Mobile bio fuel checking unit.

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