

The following project is on energy security especially for rural people using waste pine needles (leaves) and a step towards sustainable technologies.

Project	Funding Agency and Amount	Investigators	Duration
Pine needles' conversion to biofuels for rural empowerment	Jaypee Innovation, Research & Development Fund 7.0 Lakhs	Dr. Sudhir Kumar (BT and BI Dept.) Dr. Ashish Kumar (CE Dept.)	2022-2024

The following research projects are granted previously and align to Mission of CESTRD.

Project	Funding Agency and Amount	Investigators	Duration
Biogas production for sustainable energy generation in Rural Himachal Pradesh using one-stage portable digester.	HP State Council for Science, Technology & Environment 7.87 Lakhs	Dr. Sudhir Kumar (BT and BI Dept.) Dr. Ashish Kumar (CE Dept.)	2016-2018
Development of a bioleaching strategy for sustainable disposal and recycling of e-waste.	Ministry of Environment and Forests, Govt. of India 19.7 Lakhs	Dr. Sudhir Kumar (BT and BI Dept.)	2008-2011
Development of Technologies for Bioconversion of Lignocellulosic Waste from Herbal Industries for Developing Commercially Viable products	Ayurved Industry, Baddi, Solan, HP 05 Lakhs	Dr. Sudhir Kumar (BT and BI Dept.)	2007-2010