

## IS-STAC

### Projects Funded 2010-11

Sl No	Project Title	Project Investigator	Sanctioned Cost (Rs)	Duration
1	Development of carbon composites Materials for CO <sub>2</sub> capture	Dr Sai Prasad, Indian Institute of Chemical Technology, Hyderabad,	63, 47, 000	3 Years
2	Application of carbon sequestration in the terrestrial eco-system of Assam for long term sustainability	Dr Deka Boruah HP, North East Institute of Science and Technology (CSIR), Jorhat,	90, 42, 783	3 Years
3	Enhancing carbon sequestration in groundnut based cropping systems by conservation tillage and residue incorporation	Dr R.S Jat, Directorate of Groundnut Research, Junagadh, Gujarat	45, 25, 000	3 Years
4	Development of screening criteria for saline aquifers and other geological sinks	Mr Bhandari AK, Global Hydro geological Solutions, New Delhi,	34, 25, 000	3 Years
5	Aqueous mineral carbonation of silicates and mineral trapping of CO <sub>2</sub> in the tholeiite- picrite assemblage of Thakurvadi Formation, Deccan Basalt Volcanic Province, India: Geological, stable isotope and Experimental studies	Dr Nirmal Charan S, National Geophysics Research Institute, Hyderabad, Andhra Pradesh	43, 92, 690	3 Years
6	Evaluation of carbon cycle, carbon captures and soil carbon sequestration potential of fodder and pasturelands as a means of climate change mitigation	Dr Sivakumar T, Madras Veterinary College, Chennai, Tamil Nadu	54, 08, 600	3 Years
7	Assessing carbon sequestration efficacy among	Attipalli Ramachandra Reddy , University of	90, 01, 000	3 Years

	Four Biofuel Trees under Elevated CO <sub>2</sub> : A Potential Strategy to Mitigate Rising Atmospheric CO <sub>2</sub>	Hyderabad, Hyderabad, Andhra Pradesh		
8	Carbon Sequestration potential of Albizza Lebbeck in inter-cropping and co-cultivation system with economic crops and plant growth promoting micro-organism	Dr Gangadevi V, Madurai Kamraj University, Madurai, Tamil Nadu	44, 84, 713	3 Years
9	Carbon sequestration by mineral carbonation in cement kiln dust	Dr Arvind Kumar Nema, Indian Institute of Technology, New Delhi, Delhi	73, 66, 000	3 Years
10	Evolution of RuBisCo hypermorphs for enhanced CO <sub>2</sub> sequestration and its utilization for polymer products	Dr Natrajaseenivasan K, Bharathidasan University, Tiruchirapalli, Tamilnadu	69, 00, 452	3 Years
11	Bauxite Technical data Bank Phase III - Wester Ghat Deposits (Kerala, Karnataka, Tamil and Goa)	Dr Ramana Rao K, JNRDDC, Nagpur, Maharashtra	29, 30, 000	3 Years
12	Development of Friction Stir Welding Technique for Aluminium- Aluminium and Aluminium-Steel sheet joint	Dr Ramana Rao K, Jawahar Lal Nehru Aluminium Research Development and Design Centre, Nagpur, Maharashtra	1, 15, 00, 000	3 Years
13	USE OF CONTIFUR Technology for production of Steel (Phase -1)to be implemented by M/S ELECTROTHERM(india)Ltd. Ahmedabad	Mr Mukesh Bhandari, Electrotherm(India)Ltd, Ahmedabad, Gujarat	13, 75, 00, 000	2 Years