

LIST OF PROJECTS COMPLETED DURING 2006-2007

Ecosystem Research Scheme (ERS)

S.No.	Title of the project	Name of the organization
1	Biodiversity and distribution pattern of Hymenopteran Parasitoids of different Insect crop pests in Manipur (North East India)	Manipur University, Imphal-795003
2	People's use of forest resources vis-à-vis impact of forest depletion on livelihood issues of local people in Sikkim Himalaya.	Indian Stastical Institute Anthropology and Human Genetic Unit, 203, Barrackpore Trunk Road, Kolkata-700 108
3	Evaluation of biodiversity and ethno-botanical studies in protected areas of Pench National Park, Maharashtra	Nagpur University, Nagpur-440 010
4	Documentation of traditional knowledge of medicinal plants held by Bhotias of Dharchula in Uttaranchal State : Potential for development of new drugs	School of Biotechnology, Guru Gobind Singh Indraprastha University, Kashmere Gate, Delhi
5	Floral Diversity under prevailing slide of plant invasion and extension regime on Forests of South West Bengal	Raja N.L. Khan Women's College, Gope Palace, Midnapur-721 102, West Bengal
6	Field studies on the foreging ecology of the painted stork (<i>Mycteria leucocapla</i>) in relation to the Trophic dynamics of chosen fresh water wetlands	Deptt. of Environmental Sciences, Delhi University, Delhi-110 007
7	Microbial pathogens associated with forests insects in Kerala – parts of the Western Ghats with reference to host parasite relationship and <i>ex-situ</i> conservation	Kerala Forest Research Institute, Peechi-Thrissur, Kerala
8	Studies on the biodiversity of shoals and grass lands and their restoration in the Nilgiris Plateau, Southern India	Tamil Nadu Agricultural University, Mettupalayam, Coimbatore-641003
9	Bioprospecting of potential rare and endangered Ethnobotanical important plant species of Jharkhand	National Botanical Research Institute, P.B. No. 436, Lucknow-226001

10	A study on floral diversity of Bhadra Wildlife Sanctuary, Karnataka.	Kuvempu University, Jnana Sahyadri Shankaraghatta-577451, Karnataka
11	Study on amphibian fauna of Assam	Zoology Deptt., Arya Vidyapeeth College, Guwahati-781016, Assam
12	Comparative studies of microbial diversity and soil biological processes during leaf litter decomposition in natural oak forest and plantations of Manipur, NE India	Deptt. of Life Sciences, Manipur University, Imphal-795 003, Manipur
13	Effect of arbuscular mycorrhiza and beneficial bacteria on bamboo	Deptt. of Biotechnology, Univ. of Agricultural Sciences, GKVK, Bangalore-560065

Environment Research Programme (ERP)

S.No.	Title of the project	Name of the organization
1.	Environmental monitoring and ecological risk assessment of industrial solid wastes	Environmental Science, Dr. RML Avadh University, Faizabad-224001
2.	Plants of microbes as indicators of metals in selected nine areas	Deptt. of Botany, Banaras Hindu University, Varanasi-221005
3.	Microcontroller based COH (Coefficient of Haze) and dust mass monitor	Central Scientific Instruments Organisation, Sector 30-C, Chandigarh-160030
4.	Lichens as bio-monitor and bio-indicator of air pollution in and around Lucknow	Regional Research Laboratory, Jorhat-785006
5.	Development of polymeric sensor for detection of environmentally hazardous gases and microorganism	National Physical Laboratory, Dr. S. Radhakrishanan Marg, New Delhi-110012
6.	Microbial studies of lake Mansarovar Jammu Shivaliks bacterial investigation on fish and its environment with special emphasis on their role as bio indicator of water pollution	Rural Development Unit, Regional Research Laboratory, Jammu-180001
7.	Development of environmentally and ecologically safe methods for the control of major insect pests of pea crops in HP	Deptt. of Entomology, Dr. YSP University of Horticulture and Forestry, Solan-173230
8.	Development of nanodispersed metal electrodes for electrochemical degradation of toxic synthetic organic pollutants from industrial effluents	Deptt. of Chemical Engg, Alappa College of Technology, Anna University, Chennai-600025

9.	Bio remediation of heavy metals contaminated superfund sites and its validation	Regional Research Laboratory Hosangabad Road, Bhopal-462026
10.	Development of coal tar pitch with a reduced content of polycyclic aromatic hydrocarbons	National Physical Laboratory, Pusa Campus, New Delhi-110012
11.	Assessment of persistent organic pollutants – PCDDs and PCDFs in biological media	National Institute of Occupational Health, Meghani Nagar, Ahmedabad-380016
12.	Development of eco-friendly nematode management technology in vegetable crops with neem and neem based bio-pesticides	Deptt. of Nematology, IARI, Pusa Campus, New Delhi-110012
13.	Development of heterogeneous ion exchange membranes to be used in electrolysis process for the industrial effluent treatment	Central Salt and Marine Research Institute, GB Marg, Bhavnagar-364002
14.	Multi component transport and pesticides residues in sub soil and ground water environment	Sri Jaychiramchandra College of Engineering, Mysore-570 006
15.	Management of total dissolved solids In the exhausted reactive dyebath from cotton knitwear industry	Centre for Environmental Studies, Anna University, Chennai-600025
16.	Development of additives for preparation of high concentration slurry using low ash / beneficiated non-cooking coal	Regional Research Laboratory, Bhubaneswar-751013
17.	Development of low toxicity environment friendly gel casting systems for Industrial applications	Regional Research Laboratory, Bhubaneswar-751 013
18.	Development of modular households sanitation device for decentralized sewage treatment	Regional Research Laboratory, Industrial PO, Trivendrum-695019
19.	Utilization of solid industrial waste with renewable resin based binders for making plastic wood	Central Building Research Institute, Roorkee-247667
20.	Study on characterization and treatment of effluents from electroplating industries	Sant Longowal Instt. of Engg. and Technology, Longowal-06
21.	Development low thermal heating based phase transformation technology for immobilization of toxic metals from industrial waste	Regional Research Laboratory, Bhopal-462026
22.	Selection, characterization and quantification of plant species phytoremediation of saline soils	Choudhury Charan Singh Haryana Agricultural University, Hissar-04
23.	Biocomposting from engineered natural fibres	IWST, Bangalore-560 003

Eastern & Western Ghats Research Programme

S.No.	Title of the project	Name of the organization
1.	Optimization of harvesting and post-harvest technology to economize bamboo resource utilisation.	Kerala Forest Research Institute Peechi-680 653 (Kerala)
2.	Analysis of microbial communities in heavy metal contaminated soils around mine sites in Orissa	Regional Plant Resource Centre, Bhubaneswar - 751015,
3.	Litter insect dynamics with special reference to ecological succession and chemical ecology along varying altitudes in the Wynad and Coorg forests of Western Ghats	St. Joseph's College, Calicut-673 008
4.	Illustrated manual on tree flora of Kerala supplemented with computer aided identification	Kerala Forest Research Institute, Peechi-680 653
5.	Measuring and monitoring bio-diversity of Amphibians in Kerala	Mar Thoma College, Tiruvalla-689 103
6.	Mutualism in Whitefly – An interaction in the Western Ghats of Tamil Nadu	Madras Christian College, Chennai-600059
7.	Utilisation of important forest products from eastern and western ghats as natural food additives	Central Food & Technology Research Institute, Mysore-570013
8.	Reproductive biology and genetic diversity of three economically useful forest tree species of Western Ghats	University of Delhi, Delhi-110007
9.	Stablization and restoration of ecosystem in iron and chromite mine waste areas of Eastern Ghats of Orissa through application of microbial technology	Utkal University, Bhubaneswar-751004
10	Photosynthetic acclimation to elevated carbon dioxide in relation to carbohydrate modulated expression of Rubisco genes in crop plants	Indian Agricultural Research Institute, New Delh-110012

National Natural Resource Management System (NNRMS)

S.No.	Title of the project	Name of the organization
1.	Inventory and monitoring of shifting cultivation and forest ecosystem in Manipur	Department of Earth Sciences, Manipur University, Canchipur, Imphal-795 003
2.	Monitoring and identification of shifting cultivation areas of East Khasi Hill of Meghalaya by using Remotely Sensed Data	Department of Geography, North Eastern Hill University (NEHU), Shillong 793 014

3.	Study of the environmental status of four river systems in the South-Western Ghats and its influence on the land and water system of Kuttanad area using Remote Sensing Data and GIS	Centre of Environment & Development, CV Raman Pillai Road, Thycand, Thirvananthapuram, Kerala –695014
4.	Evaluation and generation of geocoded spatial digital database on the various natural resources of the Eastern Ghats of TN Ph-II	Centre for Natural Resource Study, Department of Botany, St. Joseph College, Tiruchirapalli 620 002
5.	Analysis of forest cover and land use dynamics in the upper catchment of Manipur river using RS&GIS	Manipur Remote Sensing Application Centre, Imphal, Manipur - 795001
6.	Development of GIS based information system for the coal mining areas of west Bengal	Department of Mining Engineering, Bengal Engineering & Science University, Shibpur, Howrah - 711103

Biosphere Reserves

S.No.	Title of the project	Name of the organization
1.	Data base for land resources and strategy for their management in the Nanda Devi Biosphetre Reseve	Department of Geology, HNB Garhwal University, Srinagar
2.	Development of Desert National Park as Biosphere Reserve	Bombay Natural History Society, Mumbai
3.	Research Project on longterm biodiversity assessment on Simlipal Biosphere Reserve	Utkal University, Vani Vihar, Bhubaneshwar.
4.	Analysis of landuse/landcover changes in and around Pachmarhi Biosphere Reserve using Remote Sensing and GIS Techniques	M.P. Council of Science and Technology, Vigyan Bhawan, Manit Campus, Bhopal
5.	Population dynamics of some endangered rodent mammalian species in an around Pachmarhi Biosphere Reserve	Department of Biosciences, Barakatullah University, Bhopal 462 026
6.	Impact of human activities on biodiversity and conservation strategies for Dehang Debang Biosphere Reserve	North Eastern Regional Institute of Science and Technology, Nirjuli – 791 199
7.	Exploration of Amphibian fauna and insect fauna of Dehang Debang Biosphere Reserve with special reference to the habitat ecology of endangered species	Cotton College, Guwahati 781 001

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| 8. | Studies on the structure composition and changes of the vegetation in Nanda Devi Biosphere Reserve of Western Himalaya | G.B. Pant Institute of Himalayan Environment and Development, Kosi Katarmal, Almora 263 643 |
| 9. | Biodiversity of gall forming insects of economic plants of North East India | Manipur University, Canchipur, Imphal – 795 003 |

National River Conservation Plan

S. No.	Name of the Project/ Scheme	Name of the Town/ City
Andhra Pradesh		
1.	Sewage Treatment Plant	Bhadrachalam (NRCP)
2.	Low Cost Sanitation	Mancharial (NRCP)
Orissa		
3.	RFD	Chandbali (NRCP)
4.	Wood Based Crematoria	Chandbali (NRCP)
Uttranchal		
5.	Low Cost Sanitation	Badrinath (S/C Towns)
6.	Low Cost Sanitation	Joshinath (S/C Towns)
West Bengal		
7.	Lifting Station-I (Southern Part)	Gayeshpur, Hallishar (S/C Towns)
8.	Main Pumping Station-I	Gayeshpur, Hallishar (S/C Towns)
9.	Main Pumping Station	Gayeshpur, Hallishar (S/C Towns)
10.	Sewage Treatment Plant	Garulia (S/C Towns)
11.	Sewage Treatment Plant	Kharda (Extended) (S/C Towns)
12.	Sewage Treatment Plant	Konnagar (S/C Towns)
13.	Interception & Diversion	Naihati (S/C Towns)
14.	River Front Development	North Barrackpore (S/C Towns)
15.	Lifting Station-I	Uttarpara-Kotrung (S/C Towns)
16.	Lifting Station-IV	Uttarpara-Kotrung (S/C Towns)
17.	Lifting Station-II	Uttarpara-Kotrung (S/C Towns)
18.	Lifting Station-II	Barrackpore (GAP-II)
19.	Main Pumping Station	Barrackpore (GAP-II)
20.	Sewage Treatment Plant-II (1.0 mld)	Barrackpore (GAP-II)
21.	Interception & Diversion	Badreshwar-Champdani (GAP-II)
22.	River front Development	Tolly's Nallah (GAP-II)

NRCP	→	National River Conservation Plan
S/C Towns	→	Supreme Court Order Towns
GAP-II	→	Ganga Action Plan Phase-II