

LIST OF PROJECTS SANCTIONED DURING 2003-2004

| Sl. No. | Title of the Project | Name of the Organisation |
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| Environment Research Programme | | |
| 1 | Management of total dissolved solids in the exhausted reactive dyebath from cotton knitwear dyeing industry. | Centre for Environment Studies, Anna University, Chennai-600025 |
| 2 | Treatment of waste aluminum dross oxide. | Regional Research Laboratory, Bhubneswar-751013 |
| 3 | Development of low toxicity environment friendly gelcasting system for industrial application. | Regional research Laboratory, Bhubneswar-751013 |
| 4 | Development of low thermal heating based phase transformation technology from immobilization of toxic metals from industrial waste. | Regional Research Laboratory, Bhopal-462026 |
| 5 | Development of additives for preparation of high concentration slurry using low ash/ beneficiated non-cooking coal. | Regional Research Laboratory, Bhubneswar-751013, |
| 6 | Selection, characterization and quantification of plant species for phytoremediation of saline soils. | Department of Botany and Plant Physiology, CCS HAU, Hissar-125004 |
| 7 | Ion exchange and characterization studies on some hybrid fibrous materials and their environmental applications. | Department Of Chemistry, Aligarh Muslim University Aligrah-202002 |
| 8 | Large scale application of indigenous mosses as biomonitor of intensity and trend for air borne metal precipitation. | Department of Botany, Barielly College, Barielly-243005 |
| 9 | Bio-composite from engineered natural fibers. | Institute of Wood Science and Technology, Bangalore-560003 |
| 10 | Effect of indoor air pollution on respiratory function of children. | Vallabhbhai Patel Chest Institute, Delhi University, Delhi-110007 |

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| 11 | Study on characterization and treatment of effluents from electroplating industries. | Sant Longowal Instt of Engineering and Technology, Longowal-148106 |
| 12 | Developments of modular house hold sanitation device for decentralized sewage treatment. | Regional Research Laboratory, Trivendrum-695019 |
| 13 | Field trial for preparing common masonry bricks utilizing Lakwa oil field effluent treatment plant sludge, a hazardous waste. | Regional Research Laboratory, Jorhat-785006 |
| 14 | Assessment of the status of heavy metal and pollutants in common edibles with references to human health in urban Meghalya. | North Eastern Hill University, Shilong-793022 |

Ecosystem Research Programme

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| 1 | <i>In vitro</i> screening and multiplication of tree species of coastal agro ecosystem for abiotic stress tolerance | Department of Agronomy Annamalai University Annamalainagar-608002 Tamil Nadu. |
| 2. | Microbial Pathogens associated with forests insects in Kerala – parts of the Western Ghats with reference to Host Parasite relationship and Ex-situ conservation. | Kerala Forest Research Institute Peechi - 680 653 Thrissur Kerala. |
| 3. | Field studies on the foreging ecology of the painted stork (mycteria leucocaphla) in relation to the Trophic dynamics of chosen fresh water wetlands | Department of Environment Delhi University Delhi-110 007. |
| 4. | Ecology of the Inter Tidal Zone of the Open Saurashtra Gujarat. | Gujarat Ecological Society 5, Golden Apartment, Subhanpura, Vadodara-390023. Gujarat. |
| 5 | 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. Tamil Nadu. |
| 6. | Bioprospecting of potential rare and endangered Ethnobotanical important plant species of Jharkhand | Ethnobotany Section National Botanical Research Institute P.B. No. 436 Lucknow-226001, U.P. |

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| 7. | A study on Floral Diversity of Bhadra Wildlife Sanctuary, Karnataka. | Kuvempu University Jnana Sahyadri Shankaraghatta-577451 Karnataka. |
| 8. | Biodiversity of Vesicular arbuscular mycorrhizal fungi and their application for conservation of selected endangered economic plant species of Jharkhand State | Department of Botany T.M. Bhagalpur University Bhagalpur-812007 Bihar. |
| 9. | Ecology and bio-diversity of insectivorous birds in an agro-environment(Nagapattinam District, Tamil Nadu). | AVC College (Autonomous) Mayiladuthurai Mannampandal-609305, Tamil Nadu |
| 10. | Effect of Arbuscular Mycorrhiza and beneficial bacteria on Bamboo | Microbiology Unit, Deptt. of Biotechnology Univ. of Agricultural Sciences, GKVK, Bangalore-560065. Karnataka |
| 11 | Evaluation of erodability in selected soil series of watershed under different agroclimatic situations of West Bengal | Department of Soil and Water Conservation, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya Mohanpur, Nadia West Bengal-741 252. |
| 12 | Biodiversity assessment of the freshwater fishes of the Andaman and Nicobar Islands | Salim Ali School of Ecology and Environmental Sciences, Pondicherry Univ. Pondicherry-605014. |
| 13 | Insects as Bio-indicator for ecosystem health | Department of Zoology Visva Bharti University Santiniketan-721 235 West Bengal. |
| 14 | Status and Ecology of the Andaman Crane | Salim Ali Centre for Ornithology and Natural History Anaikatty P.O. Coimbatore-641 708, Tamil Nadu. |
| 15 | Fungal endophytes of medicinal plants in Tamil Nadu forests | Centre for Advanced Study in Botany Madras University Chennai, Tamil Nadu. |
| 16 | Seed germination and natural regeneration in tropical rain forest of Andaman Islands | Horticulture & Forestry Division Central Agriculture Research Institute, P.B. No. 181, Port Blair, A&N Islands. |

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| 17 | Water and light use characteristics of the vegetation in the different strata of a tropical moist deciduous forest | Kerala Forest Research Institute Peechi-680 653 Thrissur, Kerala. |
| 18 | Studies on the Entomofaunal diversity and their interactions in selected provenances of Sandal | Institute of Wood Science & Technology P.O. Malleswaram Bangalore-560003, Karnataka. |
| 19 | 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. |
| 20 | Mapping Biodiversity of the Myristica swamps in Southern Kerala | Kerala Forest Research Institute, Kerala. |
| 21. | Imposex in marine gastropods as a possible index of TBT contamination along Southern coast of India | Suganthi Devadason Marine Research Institute, 44 Beach Road, Titucorin, Tamil Nadu |
| 22 | Study on amphibian fauna of Assam | Department of Zoology Arya Vidyapeeth College Guwahati-781016, Assam. |
| 23 | Comparative Studies of Microbial Diversity and Soil Biological Processes during Leaf Litter Decomposition in Natural Oak Forest and Plantations of Manipur, North East India | Department of Life Sciences Manipur University Imphal-795 003. Manipur. |
| 24 | Characterization of Plant Biodiversity, community structure and population behaviour of some important tree species at the community forests of Nagaland | Department of Botany Fazl Ali Govt. College Mokokchung Nagaland |

Eastern and Western Ghats Programme

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| 1. | Land use change and its impact on selected biophysical and socio-economic aspects of Karuvanur river basin in Thrissur District of Kerala | Kerala Forest Research Institute Peechi, Thrissur Kerala-680653 |
| 2. | Conservation through micro-propagation and restoration of endemic endangered and economically useful plants of the Kolli Hills in the Eastern Ghats of Tamil Nadu | Centre for Natural Research Study St. Joseph's College Trichirappalli- 620002 |

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| 3. | Evaluation of the foraging requirements of a threatened endemic passerine, the white-bellied shortwing, in natural and disturbed habitats for conservation planning in the Western Ghats | National Institute of Advanced Studies Indian Institute of Science Bangalore- 560012 |
| 4. | Study of conservation biology, propagation and assessment of genetic diversity of some rare and endangered tree species of Eastern Ghats through molecular techniques | Regional Plants Resource Centre Bhubaneswar - 751015 Orissa |
| 5. | Analysis of microbial communities in heavy metal contaminated soils around mine sites in Orissa | Regional Plants Resource Centre Bhubaneswar - 751015 Orissa |

Wetlands

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| 1. | Assessment of explosive aquatic weed growth, their taxonomy, ecology and impact of the Kuttanaad wetland ecosystem, Kerala State | School of Environmental Sciences, Mahatma Gandhi University |
| 2. | An action oriented locale specific conservation awareness programme for prioritized wetlands in Maharashtra | Institute of Environment. |
| 3. | Education & Research, Bharti Vidyapeeth Deemed University. Pune Assessment of heavy metals in predominant aquatic Macrophytes of Upper Lake, Bhopal | Environmental Research Laboratory, Bhoj Wetland Project (EPCO), Bhopal |
| 4. | Treatment of Community Sewage Using Root Zone Syste | Department of Limnology, Barkatullah University, Bhopal. |
| 5. | Present status of threatened fish species in Harike wetland and strategies for their conservation. | Department of Zoology, Guru Nanak Deve University, . Amritsar |
| 6. | Strategies for improvement and management of hydraulic and environmental aspect of Kolleru wetland region of Andhra Pradesh | Department of Civil Engineering, Andhra University, Vishakhapatnam. |
| 7. | Nematode faunal diversity of Keoladeo National park, Rajathan. | Department of Zoology Aligarh Muslim University, Aligarh. |
| 8. | Inventorisation of wetland bio-diversity in Hussain Sagar Lake, Hyderabad. | Dr. Razia Sultana, EPTRI, Hyderabad |

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| 9. | Assessment of Anthropogenic pressures on the ecology of Hokarsar wetland (Kashmir) with special reference to conservation | Sher-e- Kashmir University of Agricultural Sciences, Kashmir |
| 10. | Effect of progressive eutrophication in a large wetland (Rudra Sagar of Tripura; Ecological consequences and restoration strategies. | Department of Life Sciences, University of Tripura, Agartala |
| 11. | Eco-behavioural studies of the Greater Flamingo in two ecologically different habitats in wetlands of Rajasthan. | Head, District Development Society, A/51, Mansarovar Colony, Ajmer |
| 12. | Economic evaluation and developing community based ecologically feasible strategies for integrated management of Loktak Lake. | Wetland International, South Asia, New Delhi |
