

INTEGRATED ECODEVELOPMENT RESEARCH PROGRAMME (IERP) IN THE HIMALAYAN REGION

Completed projects

- *1. Impact of development programmes in the ecosystems: A case study of Gangotri region, U.P. by **Mr. S. Mishra**, The Organization for Applied Socio-economic Systems, New Delhi. (1.4.93 - 31.3.94). [Total outlay: Rs. 1,89,000/-].
2. Tribal's' responses to environmental scarcity: An empirical study into socio-economic impact of environmental conservation strategies on tribal communities of India in specific context of U.P. Himalaya by **Dr. H.K. Singh**, Department of Political Science, Govt. P.G. College, Jalesar, Etah, U.P. [Total outlay : Rs. 3,09,580/-]. (**Terminated**).
- *3. Hydro biological investigation on Goriganga river to determine biological indicators of water quality with special reference to study the prospects of artificial breeding of endangered fish TOR species in Kumagnaun Himalaya by **Dr. S.N. Joshi**, Deptt. of Zoology, Govt. P.G. College, Pithoragarh, U.P. (5.3.93 - 4.3.96). [Total outlay: Rs. 2,43,680/-].
- *4. Ecology of terrestrial Molluscas and their role in litter decomposition in Kumaun Himalaya forests by **Dr. P.K. Gupta**, Department of Zoology, Kumaun University, Nainital, U.P. (1.4.93 - 31.3.96). [Total outlay : Rs. 2,87,148/-].
- *5. Improvement and introduction of multipurpose bio-fencing in Hills by **Dr. A.P. Joshi**, HESCO, Gholtir, Chamoli Garhwal, U.P. (1.6.93 - 31.5.96). [Total outlay : Rs. 2,85,240/-].
- *6. Development of agro-forestry in the Patli group of villages in District Almora (U.P.) by **Dr. R.C. Pant**, Lok Chetna Manch, Gokhuri, Almora, U.P. (1.5.93 - 31.10.96). [Total outlay : Rs. 3,13,900/-].
- *7. Landslides of Sikkim as a function of their age by **Dr. C.B. Sunwar**, Department of Chemistry, Sikkim Govt. College, Tadong, Sikkim. (1.4.93 - 31.3.96). [Total outlay : Rs. 2,08,120/-].
- *8. Limnological investigation and biological productivity of selected lacustrine systems of Sikkim by **Dr. M.P. Thapa**, Department of Zoology, Sikkim Govt. College, Tadong, Sikkim. (1.7.93 - 30.6.96). [Total outlay : Rs. 2,64,820/-].
- *9. Development of waste lands in Darjeeling Himalaya by **Miss S. Rohatgi**, Department of Geography, North Bengal University, Darjeeling, W.B. (7.4.93 - 6.4.96). [Total outlay : Rs. 1,73,300/-].
- *10. Survey, collection and utilization of Bamboo resources by **Dr. G.J. Sharma**, Department of Life Sciences, Manipur University, Imphal, Manipur. (1.5.93 - 30.4.96). [Total outlay : Rs. 3,94,390/-].

- *11. Himalayan bhesaj fal praudhyigiki vikash avum paryavaraniya sanrakhsana pariyojana by **Mr. B.D. Shastri**, Punch Pusp Kalyan Snasthan, Urgam, Joshimath, Chamoli Garhwal, U.P. (1.9.93 - 31.8.96). [Total outlay: Rs. 2,15,000/-].
- *12. Field survey of traditional medicinal plants of Almora district, Central Himalaya by **Dr. V. K. Joshi**, Institute of Medical Sciences, B.H.U., Varanasi, U.P. (24.4.93 - 23.11.95). [Total outlay : Rs. 2,96,360/-].
- *13. A comparative study of water discharge and sediment budget of three district catchments in relation to integrated ecodevelopment in Lesser Himalaya by **Dr. D. Datt**, Department of Geography, HNB Garhwal University, Srinagar, Pauri Garhwal, U.P. (1.4.94 - 31.3.97). [Total outlay : Rs. 2,98,302/-].
- *14. Studies on structural and production potential dynamics of alpine meadows of north-west Himalaya by **Dr. A.B. Bhatt**, Department of Botany, HNB Garhwal University, Srinagar, Pauri Garhwal, U.P. (1.4.94 - 31.3.97). [Total outlay : Rs. 2,32,810/-].
- *15. Ecological studies in Siwalik Hills east of river Yamuna for evolving sustainable strategy for eco-development and biodiversity protection by **Dr. R.K. Gupta**, Centre for Research on Environmental Applications Training Education, Dehradun, U.P. (1.5.94 - 30.4.97). [Total outlay : Rs. 3,22,200/-].
- *16. Commercial resources of *Cinnamomum* species in Eastern Himalayan region of India : Survey, identification and conservation for sustainable use by **Dr. S. C. Nath**, Department of Plant Sciences and Ecology, Regional Research Laboratory, Jorhat, Assam. (1.4.94 - 31.3.97). [Total outlay : Rs. 4,79,200/-].
- *17. Biodiversity study of Kumaun Himalaya with special reference to Sandeo area by **Dr. Y.P.S. Pangtey**, Botany Department, Kumaun University, Nainital, U.P. (1.4.94 - 31.3.97). [Total outlay : Rs. 2,40,600/-].
- *18. Parwatiya kshetra mein umes (*Hippophae*) par adharit laghu udhyog sthapana hetu pilot project (Himamesh Pariyojana) by **Mr. P.S. Puspwan**, Vihan Gramothan Prashiksan Avam Shodh Sansthan, Srinagar, Pauri Garhwal, U.P. (1.3.94 - 28.2.97). [Total outlay : Rs. 2,99,600/-].
- *19. Multiplication and conservation of some endangered/threatened high altitude medicinal herbs by **Dr. M.C. Nautiyal**, High Altitude Plant Physiology Research Centre, HNB Garhwal University, Srinagar, Pauri Garhwal, U.P. (11.4.94 - 10.10.97). [Total outlay : Rs. 5,97,600/-].
- *20. Use of Mycorrhizal biotechnology in regeneration of Chilgoza Pine by **Dr. T.N. Lakhnupal**, Department of Biosciences, H.P. University, Shimla, H.P. (15.7.94 - 15.7.97). [Total outlay : Rs. 3,77,000/-].
21. Diversity of Himalayan Umbellifers : Evaluation and protection by **Dr. I.A. Hamal**, Deptt. of Biosciences, Jammu University, Jammu, J & K. (14.03.1994-13.03.1998). [Total outlay : Rs. 3,99,000/-].
- *22. Environmental correlates of reproductive pheromones in Himalayan Trout by **Dr. J.P. Bhatt**, Zoology Department, H.N.B. Garhwal University, Srinagar, Pauri Garhwal, U.P.

(1.5.94 - 30.4.97). [Total outlay : Rs. 3,51,400/-].

*23. Mass propagation of *Dendrocalamus hamiltonii* and *D. hoockeri* using single node cuttings by **Dr. A. Sood**, Division of Biotechnology, CSIR Complex, Palampur, H.P. (1.3.94 - 31.3.97). [Total outlay : Rs. 4,06,200/-].

*24. Study of allelopathic effect on field crops by social and agroforestry trees in Garhwal Himalayas by **Dr. M.S.M. Rawat**, Department of Chemistry, H.N.B. Garhwal University, Srinagar, Pauri Garhwal, U.P. (1.2.94 - 31.1.97). [Total outlay : Rs. 4,47,720/-].

*25. An approach towards equitable development for biodiversity conservation of sustainable growth in Govind Pashu Vihar Sanctuary, Uttarkashi Garhwal Himalaya by **Dr. A.K. Badoni**, Society for Himalayan Environmental Research, Vikasnagar, Dehradun, U.P. (1.12.93 - 30.11.96). [Total outlay: Rs. 3,40,325/-].

*26. Studies on certain biological aspects of the ethnic groups inhabiting at varying ecological conditions of Sikkim hills by **Dr. R. Chettri**, Department of Botany, Sikkim Govt. College, Tadong, Sikkim. (23.5.93 - 22.5.96). [Total outlay : Rs. 2,11,320/-].

*27. Evaluation of agro-silviculture-horticultural system as an appropriate pattern of land use for the development of the hilly tracts of Arunachal Pradesh by **Dr. B. Singh**, Department of Forestry Science, North-Eastern Regional Institute of Science and Technology, Nirjuli, Itanagar, Arunachal Pradesh. (21.11.94 - 25.5.98). [Total outlay : Rs. 2,50,000/-].

*28. Studies on the eco-biology of selected tributaries of river Bhagirathi (between Bhatwari - Devprayag) and river Ganga between Devprayag - Rishikesh by **Dr. B.D. Joshi**, Department of Zoology, Gurukul Kangri Vishwavidyalaya, Hardwar, U.P. (25.6.94 - 24.6.97). [Total outlay : Rs. 3,19,428/-].

*29. Microbiological and biochemical studies of the traditional fermented beverages of Darjeeling hills and Sikkim by **Dr. J.P. Tamang**, Department of Botany, Sikkim Govt. College, Tadong, Sikkim. (28.9.94 - 27.9.97). [Total outlay : Rs. 3,86,640/-].

*30. An approach to rejuvenate the wastelands of north-west Himalayas through dually (*Rhizobium* and VAM) inoculated seedlings of Robinia pseudoacacia by **Dr. K. Raverkar**, Department of Soil Sciences, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. (18.8.94 - 31.3.98). [Total outlay : Rs. 3,19,400/-].

*31. Landuse and land capability mapping in part of Kumaun lesser Himalaya by **Dr. P.C. Tiwari**, Department of Geography, Kumaun University, Nainital, U.P. (1.3.95 -28.2.98). [Total outlay : Rs. 1,92,000/-].

*32. Demographic, biological and cultural proximates of health and disease in Arunachal Pradesh by Dr. A.K. Ghosh/**Dr. R.K. Pathak**, Department of Anthropology, NEHU, Shillong, Meghalaya. (1.4.95 - 31.8.98). [Total outlay : Rs. 3,68,600/-].

*33. Domestication of potential indigenous wild/semi-wild vegetables of Manipur for conservation and possible utilization of Marshy/marginal lands for vegetable production by **Dr. M. R. K. Singh**, Department of Plant Breeding and Genetics, College of Agriculture, Central Agriculture University, Imphal, Manipur. (1.5.95 - 31.10.98). [Total outlay : Rs.

3,76,100/-].

*34. Assessment of biodiversity and infraspecific variation among two reputed medicinal plant genera *Aconitum* L. (Renunculaceae) and *Podophyllum* L. (Podophyllaceae) in the Himalaya by **Dr. R.R. Rao**, NBRI, Lucknow, U.P. (1.5.95 - 30.4.98). [Total outlay : Rs. 6,17,640/-].

*35. Environmental monitoring and management of watersheds in Himalayan region - A case study of Sirkhad in Himachal Pradesh by **Dr. H.N. Misra**, Department of Geography, H.P. University, Shimla, H.P. (1.6.95 – 31.5.97). [Total outlay : Rs. 2,01,020/-].

*36. Demonstration of Sloping Watershed Environmental Engineering Technology for restoration of degraded lands in Garhwal Himalaya by **Dr. N.P. Todaria**, Department of Forestry, HNB Garhwal University, Srinagar, Pauri Garhwal, U.P. (16.07.95-31.03.2000) [Total outlay : Rs. 4,55,130/-].

*37. Model Development of Agro-Horti-Silvi system using Sloping Watershed Engineering Technology in Yangmakung village at the foothills of Kalimpong in the eastern Himalaya by **Mr. S.D. Lama**, Federation of Societies for Environmental Protection, Darjeeling, W.B. (1.5.95 - 30.4.98). [Total outlay : Rs. 3,93,400/-].

*38. Application of Sloping Watershed Environmental Engineering technology for restoration of degraded Jhum land in Arunachal Pradesh by **Dr. S.K. Barik**, Department of Forest Genetics, SFRI, Itanagar, Arunachal Pradesh 18.03.96-17.03.99) [Total outlay : Rs. 5,37,160/-].

*39. Demonstration of Sloping Watershed Environmental Engineering Technology for restoration of degraded lands in Himachal Pradesh by **Dr. S.D. Bhardwaj**, Department of Silviculture and Agroforestry, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. 09.03.95-07.03.98 [Total outlay : Rs. 5,97,160/-].

*40. Degraded soil and plant restoration in Jhalukbari hill slopes using SWEET by **Dr. S. K. Sarma**, Department of Botany, Gauhati University, Guwahati, Assam. (1.8.95 - 31.7.98). [Total outlay : Rs. 4,09,240/-].

*41. Establishing models for rehabilitation of degraded Jhum land in a watershed using SWEET in Mizoram Himalaya by **Dr. L.K. Jha**, Department of Forestry, School of Agricultural Science and Forestry, NEHU - Mizoram Campus, Aizwal, Mizoram. (12.4.95 - 11.4.98). [Total outlay : Rs. 5,50,080/-].

*42. Biotransformation of lantadenes, the pentacyclic triterpenoids from Lantana (*Lantana camara*) by **Dr. O. P. Sharma**, IVRI, Regional Station, Palampur, H.P. (1.4.95-31.3.99). [Total outlay : Rs. 4,83,200/-].

*43. Bagwani vikas avum prasar pariyojana by **Mr. P. Pandey**, Parwatiya Phalotpadan avum Bahudhandhi Sansthan, Kanalgaoon, Champawat, Pithoragarh, U.P. (28.1.96 – 27.1.99). [Total outlay : Rs. 1,70,000/-].

- *44. Studies on certain ethno zoological aspects in East Siang and West Siang districts of Arunachal Pradesh by **Mr. A. Borang**, State Forest Research Institute, Itanagar, Arunachal Pradesh. 15.12.97-14.12.2000 [Total outlay : Rs. 2,53,000/-].
- *45. Soil and water conservation integrating the rural women development in Motna village of Tehri Garhwal district, U.P. by **Mr. R.K. Uniyal**, A Society for the Hill Reconstruction and Yough Activities (ASHRAYA), Dehradun, U.P. 12.01.96-11.01.99 [Total outlay : Rs. 2,34,800/-].
- *46. Nursery development and plantation of Chyura in Pithoragarh by **Dr. V. Kumar**, Himalayan Study Circle, Pithoragarh, U.P. (1.2.96 - 31.1.99). [Total outlay : Rs. 3,00,000/-].
- *47. Nanisar mini micro watershed management project by **Mr. N. Rautela**, VADHU, Ranikhet, Almora, U.P. (16.5.97 -15.11.97). [Total outlay : Rs. 1,98,000/-].
- *48. Eco-biology and regeneration potentials of woody perennial of river line vegetation from Deoprayag to Rishikesh by **Dr. A. Kumar**, Department of Botany, Pt. L.M.S. Govt. Post Graduate. College, Rishikesh, Dehradun, U.P. 16.02.96-15.02.99 [Total outlay : Rs. 2,67,400/-].
- *49. Biological nitrogen fixation for productivity of soil and crop characterization of efficient *Rhizobium* species isolated from wild leguminous weeds of north eastern hills by **Dr. G. Bhowmik**, Gauhati University, Assam. 26.08.96-31.03.99 [Total outlay: Rs.3,96,800/-].
- *50. Ecological reconnaissance of Chail Wildlife Sanctuary in Himachal Pradesh by **Dr. M.L. Narang**, Department of Zoology, Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, H.P. (1.4.96-31.3.99). [Total outlay : Rs. 4,35,400/-].
51. Ankur jari booti pradarshan prakhetra avum paudhshala, Ramni by **Mr. S. Kathait**, ANKUR, Ghat, Chamoli Garhwal, U.P. 01.02.96-31.01.98 [Total outlay : Rs. 1,46,000/-].
- *52. Studies of induced spawning and milt morphology of snow trout (*Schizothorax* spp.) in the Garhwal Himalaya by **Dr. S.N. Bahuguna**, Department of Zoology, HNB Garhwal University, Srinagar, Garhwal, U.A.(1.5.96-30.4.99). [Total outlay : Rs. 2,40,800/-].
- *53. Assessment of toxic metals and nutrients in lake of Nainital: biomonitoring and remediation studies with phytoplankton and macrophytes by **Dr. R.D. Tripathi**, Department of Aquatic Botany and Environmental Sciences, NBRI, Lucknow, U.P. (7.8.96 - 6.8.99). [Total outlay : Rs. 5,97,400/-].
- *54. Collection and evaluation of non-conventional food plants of Assam and Nagaland by **Dr. A.K. Handique**, Department of Biotechnology, Gauhati University, Guwahati, Assam 11.07.96-10.07.99 [Total outlay : Rs. 3,50,400/-].
- *55. Afforestation based eco-conservation in Gangotri-Gaumukh area by **Dr. (Ms.) H. Bisht**, Department of Economics, Govt. P.G. College, Uttarkashi, U.P. 01.02.97-31.01.01 [Total outlay : Rs. 3,00,000/-].

- *56. Conservation and propagation of three endemic endangered and rare plant species of Saharanpur, Siwaliks, Doon and lower Mussoori forests by **Dr. Y.P.S. Pundir**, Deptt. of Botany, DBS (PG) College, Dehradun, U.P. 01.04.97-31.03.2001 [Total outlay : Rs. 2,89,240/-].
- *57. Comparative environmental investigation in Dewalgah and Backchangad catchments, Garhwal Himalayas, U.P. by **Dr. G.S. Rawat**, Department of Geology, HNB Garhwal University, Srinagar, Garhwal, U.P. 01.05.97-30.04.2000 [Total outlay : Rs. 4,96,800/-].
- *58. Studies of genetic diversity and improvement of Seabuckthorn (*Hippophae* L.), a multipurpose plant of cold desert Himalaya by **Dr. V. Singh**, HPKV, Palampur, H.P. 01.04.97-30.04.2000 [Total outlay : Rs. 3,80,400/-].
- *59. Commercial viability and strategy for success of eco-friendly agro-based and forest based industries in U.P. Hills by **Dr. K.S. Negi**, Deptt. of Commerce, HNB Garhwal University, Srinagar, U.P. (1.4.97 – 31.3.2000). [Total outlay: Rs. 3,44,800/-].
- *60. Building a model plan for biodiversity conservation and socio-economic development of the people in the buffer zone of parks based on sustainable eco-tourism by **Mr. M. S. Kunwar**, HARC, Dehradun, U.P. 01.04.97-31.12.2000 [Total outlay : Rs. 1,79,700/-].
- *61. Vano mein agni ke prabandhan ke prati janjagarukata evam vaigyanik sodh tatha van sanrakshan sambandhit vibhin ghatakon ke madhya samanjasya sthapit karana by **Mr. B. S. Bhandari**, Society for Integrity Efficacious Development Awareness, Srinagar, Garhwal, U.P. (17.4.97 – 16.4.2000). [Total outlay : Rs. 2,46,700/-].
- *62. Aspects of ascariasis and hookworm infections in tropical mountainous high rain fall areas of Meghalaya : An investigation into transmissions dynamics and anthelmintic efficacy of putatively curative plant by **Dr. (Mrs) V. Tandon**, Department of Zoology, NEHU, Shillong, Meghalaya. (27.6.97 – 31.3.2000). [Total outlay : Rs. 4,96,400/-].
- *63. Exploration of amphibian fauna of Arunachal Pradesh with emphasis on the conservation measures, reproductive behaviour and ethnozoological information by **Dr. (Mrs) S. Choudhuri (Bordoloi)**, Department of Zoology, Cotton College, Guwahati, Assam. (2.6.97 – 1.6.2000). [Total outlay : Rs. 3,39,200/-].
- *64. Biodiversity of *Dendrobium* (Orchidiaceae) in north-east India: Studies on their conservation for sustainable use by **Dr. Y. Kumar**, NEHU, Shillong, Meghalaya. 18.11.97-17.11.2000 [Total outlay : Rs. 2,93,160/-].
- *65. Integrated watershed management of Subansiri river basin, Arunachal Pradesh by **Dr. R.S. Yadava**, Arunachal University, Doimukh, Itanagar, Arunachal Pradesh. 15.04.97-30.04.2002 [Total outlay : Rs. 4,34,000/-].
- *66. Studies on ecology of Kala bansa (*Eupatorium adenophorum* Sprengel) by Dr. M.P.S. Arya/**Dr. G.K. Dwivedi**, Department of Agronomy, Hill Campus, Ranichauri, G.B. Pant University of Agriculture & Technology, Pantnagar, U.P. 17.11.97-16.11.2000 [Total outlay: Rs. 2,59,200/-].
- *67. Standardization of propagation and afforestation techniques of shrubs of western

Himalayas by **Dr. P.S. Chauhan**, UHF, Nauni, Solan, H. P. 21.03.97-20.03.2000 [Total outlay : Rs. 3,17,760/-].

*68. Recovery of degraded ecosystem by mixes of woody species of varying symbiotic associations by **Dr. S.P. Singh**, Department of Botany, Kumaun University, DSB Campus, Nainital, U.P. 01.10.97-30.04.2002 [Total outlay : Rs. 5,99,800/-].

*69. Parvatiya kshetra mein krishi vaniki ke liye paudh bank ka vikas evam prasar by **Mr. A. Swami**, Jai Bharat Seva Samiti, (TBSS) Srinagar, Pauri, U.P. 01.11.97-31.10.2000 [Total outlay : Rs. 3,94,200/-].

*70. Resource identification and technology transfer for water harvesting in Nayan watershed area of Garhwal Himalaya by **Dr. A. K. Agrawal**, SEED, Kotdwara, Pauri Garhwal, U.P. (1.8.97 – 31.7.2000). [Total outlay : Rs. 4,02,000/-].

*71. Garhwal kshetra ke sthai vikas hetu nakadi faslon evam chare ka utpadan by **Mr. U. Sati**, Shri Badri-kedar Srijnatmak Samiti (SBKSS), Nagnath Pokhari, Chamoli Garhwal, U.P. 01.04.98-31.03.99 [Total outlay : Rs. 76,700/-].

*72. A detailed study on mass wasting and related processes : As a step towards reducing environmental hazards in parts of Kumaun and Garhwal Himalaya by Mr. D.S. Tolia/**Dr. K. Kumar**, Geotechnical Engineering Division, Central Road Research Institute, New Delhi. 01.04.98-31.03.2000 [Total outlay : Rs. 2,26,000/-].

*73. GIS application in forest resource management by **Dr. S. Mahajan**, GIS Cum Computer and Instrumentation Centre, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. 01.01.99-31.05.2002 [Total outlay : Rs. 4,27,920/-]

*74. Establishment of Rakshavan at Mana in Badrinath Dham by **Col. R. Singh**, Garhwal Scouts, Joshimath, Chamoli, U.P. 01.04.98-31.03.2000 [Total outlay: Rs. 4,99,800/-].

*75. Sustained utilization of Garhwal Himalayan rivulets for electricity generation by modifying Gharats by **Dr. B.S. Semwal**, Department of Physics/USIC, HNB Garhwal University, Srinagar, Pauri, U.P. 15.05.98-14.05.2001 [Total outlay: Rs. 4,27,600/-].

*76. Studies on mycorrhizal biotechnology of high altitude Himalayan conifer - *Taxus baccata* by **Dr. T.N. Lakhnupal**, Himalayan Research Group C/O Mycology and Pathology Lab., Department of Biosciences, H.P. University, Shimla, H.P. 16.04.98-15.04.2002 [Total outlay : Rs. 4,27,800/-].

*77. To increase proficiency in cultivation of medicinal and aromatic plants for ecological sustenance by **Dr. S.K. Sharma**, Arunodya Resource Management Foundation Rohit Deep, Saproon, Solan, H.P. 01.02.99-31.01.2002 [Total outlay : Rs. 3,11,450/-].

*78. Argeli (Daphne) se hast nirmat kagaz nirman ki yojana by **Mr. P.S. Puspwan**, Vihan Gramothan Prakshikshyan evam Sodh Sansthan, Srinagar, Pauri Garhwal, U.P. 01.04.99-31.03.2001 [Total outlay : Rs. 2,82,400/-].

- *79. Limnological investigations on lake Naukuchiya Tal (Kumaon Himalaya) with reference to its management by **Dr. P.K. Gupta**, Department of Zoology, DSB Campus, Kumaun University, Nainital, U.P. 13.05.99-30.09.02 [Total outlay : Rs. 3,92,000/-]
- *80. Study and cultivation of endangered medicinal plants of Darjeeling Himalayan region by **Dr. R.B. Bhujel**, Kalimpong College, Darjeeling, W.B. 01.06.99-31.05.2002 [Total outlay : Rs. 3,27,200/-].
- *81. Health status and genetics of the Kuki Hill tribes of Loharbong in Assam by **Dr. D. Kar**, Conservation Forum, Silchar, Assam. 01.05.99-30.04.2002 [Total outlay : Rs. 5,00,000/-]
- *82. High Altitude plant species response in the Himalayan region to global climatic change by **Dr. R.R. Yadav**, Birbal Sahni Institute of Palaeobotany, Lucknow, U.P. 01.06.99-31.05.2002 [Total outlay : Rs. 4,93,350/-].
- *83. Phenology of certain ferns in relation to West Himalayan floristic diversity by **Dr. N. Punetha**, Department of Botany, Govt. P.G. College, Pithoragarh, U.P. 08.05.99-07.05.2002 [Total outlay : Rs. 1,92,800/-].
- *84. Diatom biodiversity in the Himalayan lotic systems by **Dr. P. Nautiyal**, Department of Zoology, HNB Garhwal University, Srinagar, Pauri Garhwal, U.P. 01.05.99-30.04.2001 [Total outlay : Rs. 2,80,040/-].
- *85. Studies on diversity of wild roses of H.P., their cultivation, conservation and utilization by **Dr. D. Dhyani**, Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P. 01.05.99-30.04.2002 [Total outlay : Rs. 4,72,780/-].
- *86. Natural resource management for rehabilitation of degraded lands using Slopping Watershed Environmental Engineering Technology (SWEET) by **Dr. S.S. Masand**, Department of Soil Science, H.P. Krishi Vishvavidyalaya, Palampur, H.P. 01.08.99-31.07.02 [Total outlay : Rs. 3,77,600/-].
- *87. Recycling of organic wastes and its utilization in agriculture in Himachal Pradesh by **Dr. (Mrs.) K. Kanwar**, Department of Soil Science, H.P. Krishi Vishvavidyalaya - Regional Research Station, Dhaulakuan, Sirmour, H.P. 12.04.99-11.04.2002 [Total outlay : Rs. 3,49,000/-].
- *88. Prodhogiki pradarshan evam prasar pariyajana by **Mr. B.S. Khati**, Jai Nanda Uthan Samiti, Bhimtala, Chamoli, U.P. 01.06.99-31.05.2002 [Total outlay : Rs. 2,99,970/-].
- *89. Development of ecologically sound integrated techniques for the management of tea pests in H.P. by **Dr. N.P. Kashyap**, Department of Entomology, H.P. Krishi Vishvavidyalaya, Palampur, H.P. (01.03.2000-31.08.2003). [Total outlay : Rs. 2,62,315/-].
- *90. Inventory, biodiversity value, status and strategies for conservation of sacred groves of Manipur by **Dr. M.L. Khan**, Department of Forestry, North Eastern Regional Institute of Science & Technology, Nirjuli, Arunachal Pradesh. (18.03.2000-31.03.2004). [Total outlay: Rs. 4,63,560/-].

- *91. Participatory action plan for ecodevelopment: Convergence of services approach for income generation by **Dr. C. Shastri/M.S.Kanwar** Himalayan Action Research Centre, Indira Nagar, New Forest, Dehradun, U.P. (09.03.2000-08.01.2001). [Total outlay: Rs. 1,87,000/-].
- *92. Investigation on water pollution in Kosi catchment area, Almora by **Dr. R.D. Khulbe**, Central Himalayan Environment Association, Nainital, U.P. (01.04.2000-31.03.2003). [Total outlay :Rs. 4,85,240/-].
- *93. Sustainable development approach for trekking tourism promotion in Chamoli district of Garhwal Himalaya by **Dr. S.C. Bagri**, Department of Tourism and Hoteliering, HNB Garhwal University, Srinagar, U.P. (01.06.2000-31.05.2002). [Total outlay : Rs. 3,56,845/-].
- *94. Promotion of fish rearing in outer Himalayan villages : Technology transfer to bring economic development and generate employment for women by **Dr. A.S. Rautela**, Society for Environment and Employment Development, Kotdwara, U.P. (01.04.2000-31.03.2003). [Total outlay : Rs. 4,59,000/-]
- *95. Resource assessment and biodiversity characteristics of fish fauna of the Bhagirathi and Yamuna catchment system with in Garhwal Himalaya by **Dr. B.D. Joshi**, Indian Academy of Environmental Sciences, Hardwar, U.P. (01.04.2000-31.03.2003). [Total outlay: Rs. 4,47,879/-].
- *96. Investigation of diversity and economic attributes of Bhabar grass of Himalayan tarai forests by **Dr. A.K. Srivastava**, Department of Botany, Ch. Charan Singh University, Meerut, U.P. (01.04.2001-31.03.2004). [Total outlay : Rs. 4,35,280/-].
- *97. Inventory, biodiversity value, status and strategies for conservation of panchayat forests- a common property resource of Garhwal Himalaya by **Dr. N.P. Todaria**, Department of Forestry, HNB Garhwal University , Srinagar, Uttaranchal. (01.01.2002-31.12.2004). [Total outlay : Rs. 4,99,200/-].
- *98. Aquatic insect diversity in relation to the environmental factors in various stream orders of a Central Himalayan watershed by **Dr. (Mrs.) M.P. Gusain**, Department of Zoology, HNB Garhwal University, Srinagar, Uttaranchal. (16.05.2001-15.05.2004). [Total outlay: Rs. 2,50,000/-].
- *99. Studies on conservation of Trachycarpus takil BECC. (Arecaceae): A rare and endemic palm of Kumaun Himalaya by **Dr. Y.P. S. Pangtey**, Department of Botany, Kumaun University, Nainital, UA. (01.05.2001- 30.04.2004). . [Total outlay: Rs. 5,23,240/-].
- *100. Study of propagation behavior of some multipurpose trees of Garhwal Himalaya with as agroforestry prospective by **Dr. D.P. Vashisth**. Department of Botany, HNB Garhwal University, Srinagar, U.A. (01.09.2001-31.08.2004). [Total outlay; Rs. 4,00,000/-].
101. Development of vegetative propagation techniques in forestry species of dry temperate cold desert regions by **Dr. G.S. Shamet**. Department of Silviculture and Agroforestry, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Sloan, H.P (01.04.2001-31.03.2004). [Total outlay : Rs. 3,77,000/-].

*102. Conservation of nitrogen fixing plants: A reliable approach for the re-habilitation of degraded sites in Himalayan ecosystems by **Dr. T.C. Pokhriyal**, Division of Botany, Forest Research Institute, Dehradun, Uttaranchal. (03.07.2002-02.07.2005). [Total outlay: Rs. 5,48,780/-].

103. Conservation of Bhojpatra plantation and ecological awareness campaign in Gaumukh area by **Dr. (Miss) Harshwanti Bisht**, Department of Economics, Govt. P.G. College, Uttarkashi, Uttaranchal. (01.04.2001-31.03.2006). [Total outlay: Rs. 5,0,000/-].

*104. Conservation and development of Himalayan rural ecosystem for economic security and economic prosperity by **Mr. G.P. Maithani**, Himalayan Village Resource Development society, Dehradun, UA. (13.06.2001- 12.06.2004). [Total outlay: Rs. 3,90,000/-].

*105. Misrit krishi vaniki, nakadi fasal utpadan evam takniki hantaran dwara gramin nirman birj ke liye samajik arthik unnayan by **Mr. J.N. Pant**, New Integrated Development of Himalaya (NIDHI), Pithoragarh, Uttaranchal. (01.04.2001-31.03.2004). [Total outlay 2,49,800/-].

*106. Parvatiya vanaspati pradarsan evam prasar by **Mr. S. Kumar**. Aakashdeep Sewa Sansthan, Pithoragarh, Uttaranchal (01.04.2001-31.03.2004). [Total outlay: Rs. 249,800/-].

*107. Garhwal Himalaya urgam ghati mein prakritik falon ke vividhikaran mein mahilawon ki arthik udhyami pariyojana by **Mr. B.D. Shastri**, Punch Puspa Kalyan Sansthan, Urgam, Chamoli Garhwal, Uttaranchal (01.04.2001-31.03.2004). [Total outlay: Rs. 3,50,000/-].

*108. Screening of plants for the natural dyes traditionally used by tribal of Garhwal and Kumaun region specially to the upliftment of the weaker section by **Dr. M.C. Purohit**, Society for Rural and Entrepreneurship Development, Srinagar, Uttaranchal (01.05.2001-31.04.2004). [Total outlay: Rs. 2,70,020/-].

*109. Conservation studies in lesser Himalaya- Competition, niche and diversity relations by **Dr. A.B. Bhatt**, Department of Botany, HNB Garhwal University, Srinagar, Uttaranchal (01.06.2001-31.05.2004). [Total outlay: Rs. 3,22,640/-].

*110. Environmental up gradation by soil conservation and afforestation of the Rakasiya Raula area of Bithoria – Bamori of Haldwani tahsil in Nainital district by **Dr. M.S. Karki**, Nari Utthan Samiti, Haripur Nayak, Haldwani, Uttaranchal (01.06.2001-31.05.2004). [Total outlay: Rs. 4,63,000/-].

111. Indigenous knowledge of Angami tribe in sustainable management of biodiversity in Nagaland, India by **Dr. N.N. Zhasa/ Dr. Jasbir Singh**, Rain Forest Research Institute, Deovan, Jorhat, Assam (01.04.2003-31.03.2006). [Total outlay: Rs. 4,99,330/-].

112. Elemental status of rigid materials derived from endangered animals species of NE India by **Dr. Chira R. Bhattacharjee**, Department of Chemistry, Assam University, Silchar, Assam (04.10.2002-03.10.2005). [Total outlay; Rs. 4,86,240/-].

*113. In-situ and ex-situ conservation of fresh water turtles in Barak Valley, Assam, North Eastern India by **Dr. Abhik Gupta**, Department of Ecology, Assam University, Silchar, Assam (21.04.2002-20.04.2005). [Total outlay: Rs. 3,99,119/-].

- *114. Biomonitoring of water quality coal mining areas of Meghalaya by **Dr. O.P. Singh**, Centre for Environmental Studies NEHU, Mayurbanj Complex, Shillong, Meghalaya (01.05.2002-30.04.2005). [Total outlay; Rs. 4,49,200/-].
- *115. Assessment of biodiversity, utilization and conservation of aromatic and dye yielding plants of Manipur by **Dr. P. S. Yadava**, Department of Life Sciences, Manipur University, Imphal, Manipur (07.06.2002-06.06.2005). [Total outlay: Rs. 4,93,079/-].
- *116. Biodiversity and ecology of Zooplankton in tropical floodplain lakes of Assam and Manipur (N. E. India) by **Dr. B.K. Sharma**, Department of Zoology, NEHU, Shilong, Meghalaya (01.11.2002-30.10.2005). [Total outlay Rs. 3,48,800/-].
- *117. Screening of medicinal plants used by herbal practitioners among the Khamtis in Lohit district of Arunachal Pradesh by **Dr. A.K. Das**, Department of Botany, Arunachal University, Doimukh, Itanagar, Arunachal Pradesh (01.04.2002-31.03.2005). [Total outlay: Rs. 4,16,560,-/].
- *118. Design economics and utilization of water harvesting pond – A case study by **Dr. P.P Dabral**, Department of Agricultural Engineering, NERIST, Nirjuli, Arunachal Pradesh (18.04.2002-17.04.2005). [Total outlay: Rs.4, 49,236/-].
- *119. Studies on crop residue management for soil nutrient enrichment and sustainable production in rehabilitated jhum lands of Arunachal Pradesh by **Dr. (Mrs.) Kusum Arunachalam**, Department of Forestry, NERIST, Nirjuli, Arunachal Pradesh (06.08.2002-05.08.2005). [Total outlay: Rs. 4,48,730/-].
- *120. Diversity of use pattern of faunal resources in tribal communities in Arunachal Pradesh by **Dr. G. S. Solanki**, Department of Applied Science (Forestry) NERIST, Nirjuli, Arunachal Pradesh. [Total outlay: Rs. 4,48,730/-] 01.07.2002-30.06.2005.
- *121. Documentation and analysis of indigenous knowledge system of the tribals of Arunachal Pradesh for sustainable management of natural resources by **Dr. Tomo Riba**, Department of Geography, Arunachal University, Arunachal Pradesh (01.04.2002-31.03.2004). [Total outlay: Rs. 3,81,800/-].
- *122. Fishery potential of Kashmir Himalayas: Study of the Ichthyofauna of the river Jhelum and its important tributaries with special reference to the conservation of endemic fauna by **Dr. A.R. Yousuf**, Centre of Research for Development, University of Kashmir, Srinagar, J&K (01.07.2002-30.06.2005). [Total outlay: Rs. 4,47,280/-].
123. Exploration of fish diversity in Jammu division, J&K along with development of methods for conservation of endangered fish species by **Dr. K.K. Sharma**, Department of Zoology, University of Jammu, Jammu, J&K. (01.06.2002-31.05.2005). [Total outlay: Rs. 3,49,255/-].
- *124. Reproductive biology and conservation strategies of some important and endangered medicinal plants of Kashmir Himalayas by **Dr. I.A. Nawchoo**, Department of Botany, Univ. of Kashmir, Srinagar, J&K. (14.05.2002-13.05.2005). [Total outlay: Rs. 4,86,680/-].

*125. Diversity, distribution and status survey of mammalian fauna of Jammu Himalayas by **Dr. D.N. Sahi**, Department of Zoology, University of Jammu, Jammu, J&K. (01.06.2002-31.05.2005). [Total outlay : Rs. 3,93,530/-].

*126. Introduction acclimatization, evaluation and development of agro-technology of Chlorophytum arundinaceum and Asparagus recemosus, medicinal plants of economic potential by **Dr. A.K. Dhar**. Regional Research Laboratory, Jammu, J&K. (12.04.2002-11.04.2005). [Total outlay: Rs. 4,96,018/-].

*127. Geo-environmental evaluation of landslide/slope failure hazards along Udhampur-Ramban sector of the National Highway (NIHA), Northwest Himalaya by **Dr. G. M. Bhat**, Department of Geology, University of Jammu, Jammu, J&K. (01.05.2002-31.05.2005). [Total outlay :Rs. 5,50,000/-].

*128. Studies on threatening root rot disease of Cedrus deodara by **Dr. Lal Singh**, Himalayan Research Group, Chhota Shimla, H.P. (01.12.2002-30.11.2005). [Total outlay: Rs. 4,33,080/-].

129. Enhancing water yield in spring through recharge zone treatment in Deota Dhara micro watershed (Jaunsar – Bhawar), Dehradun by **Dr. D. Sati**, En Net Development Society, Ballupur, Dehradun, U.A. (01.11.2002-31.10.2005). [Total outlay :Rs. 5,42,800/-].

*130. Mathematical modeling and functional analysis of village ecosystem with special reference to Kumaun Himalaya by **Dr. H.S. Dharmi**, Department of Mathematics, Kumaun University Almora Campus, Almora, Uttaranchal (01.04.2003-31.03.2006). [Total outlay: Rs. 4,00,000/-].

*131. Pamamparagat vaidhyon dwara jari booti ka sambardhan, sanrakshan evam vikas by **Mr. H.S. Negi**, Uttaranchal Yuva evam Gramin Vikas Kendra, Narayanbagar, Chamoli Garhwal, Uttaranchal (01.04.2003-31.03.2005). [Total outlay: Rs. 2,00,000/-].

*132. Traditional knowledge based system in practice surrounding sacred groves in Pithoragarh district in Kumaun Himalaya by **Mr. C.S. Negi**, Department of Zoology, Govt. P.G. College Pithoragarh, UA (01.05.2003-30.04.2006). [Total outlay: Rs. 2,89,900/-].

133. Application of facilitative role of plants to hasten recovery of degraded, eroded and unstable hill slopes by **Dr. S.P. Singh**, Department of Botany, Kumaun University Nainital, Uttaranchal (03.05.2003-02.05.2006). [Total outlay: Rs. 5,87,240/-].

134. Accumulation of persistent organochlorine compounds in sub- Himalayan region of North India by **Dr. V.K. Dua**, malaria Research Centre – Field Station, Ranipur Hardwar, Uttaranchal (04.05.2003-03.05.2006). [Total outlay: Rs. 4,99,200/-].

*135. Aausadheeya paudhon ka pradarshan model vikas kar janhit main prasar karna by **Mr. D.S. Panwar**, Pawan Shiksha Evam Jan Utthan Samiti, Khetai, Chamoli Garhwal, Uttaranchal (01.03.2003-28.02.2006). [Total outlay: Rs. 3,99,800/-].

*136. Garhwal Himalaya mein ecotourism sansadhano ka vishleshan evam samudayik sahbhagita by **Mr. Pushkar Singh**, Himalayan Foundation, Sartoli, Bagana, Nandprayag,

Chamoli Garhwal, Uttaranchal (01.04.2003-31.03.2006). [Total outlay: Rs. 3,07,000/-].

*137. Micro propagation and conservation of *Terminalia chebula* Retz. – a medicinal tree by **Dr. A.K. Wakhlu**, Department of Botany, University of Jammu, Jammu, J&K (01.04.2003-31.03.2006). [Total outlay : Rs. 4,95,280/-].

*138. Assessment of anthropogenic impact on Kashmir Himalayan pastures and their sustainable management by **Dr. Zafar A. Reshi**, Department of Botany, University of Kashmir Srinagar, J&K (01.04.2003-31.03.2006). [Total outlay: Rs. 3,49,600/-].

*139. Investigation on the mycotoxicity of some important herbal drug plants of Jammu and Kashmir State by **Dr. Geeta Sumbali**, Department of Botany, University of Jammu, Jammu, J&K (26.05.2003-25.05.2006). [Total outlay :Rs. 4,49,200/-].

*140. Exploration, evaluation and conservation of biodiversity of Patnitop and its adjoining areas by **Dr. Anima Langer**, Department of Botany, University of Jammu, Jammu, J&K. (06.05.2003-05.05.2006). [Total outlay: Rs. 2,50,000/-].

*141. Conservation and propagation of traditional herbs of Jammu (J&K) by **Dr. Shashikant**, Department of Botany, University of Jammu, Jammu, J&K (06.05.2003-05.05.2006). [Total outlay : Rs. 4,49,200/-].

*142. Micro-zonation of slope instability using SMR approach- A case study along Rishikesh- Gangotri road (from Chinyalisaur to Uttarkashi), Bhagirathi valley, Uttaranchal Himalaya by **Dr. H.C. Nainwal**, Department of Geology HNB Garhwal University, Srinagar, Uttaranchal (01.05.2003-30.04.2006). [Total outlay: Rs. 5,34,400/-].

*143. Sustainability of rural economy through a package of small scale fish farming integration with reference to economically backward classes by **Dr. M.M. Goswami**, Department of Zoology, Gauhati University, Guwahati, Assam (20.06.2003-19.06.2006). [Total outlay :Rs. 4,73,500/-].

144. Studies on diversity in traditionally fermented foods of Assam state and their microbiological nutritional and safety characteristics by **Dr. Manab Deka**, Department of Biotechnology, Gauhati University Guwahati, Assam (28.06.2003-27.06.2006). [Total outlay :Rs. 5,58,095/-].

145. Conservation of productive land and promising flora of majuli island in Brahmaputra river by **Dr. B.K. Pandey**, Rain Forest Research Institute, Deovan, Jorhat, Assam (01.04.2003-31.03.2006). [Total outlay: Rs. 5,31,070/-].

*146. Biology and application of *mycorrhizae* in wastelands of Nagaland by **Dr. (Mrs.) Talijungla**, Department of Botany, Nagaland University, Lumami, Mokokchung, Nagaland. (10.06.2003-09.06.2006). [Total outlay: Rs. 5,48,550/-].

*147. Assessment of biological diversity of various ecosystem and to establish methods for conservation in the Kaziranga National Park of Assam by **Mr. P.K. Khatri**, Department of Forest Ecology, Rain Forest Research Institute, Deovan, Jorhat, Assam (01.04.2003-31.03.2006). [Total outlay: Rs. 4,99,330/-].

148. Contribution N₂ fixing plants on improvement of abandoned fallow in shifting cultivation by **Dr. Jasbir Singh**, Department of Shifting Cultivation Division, Rain Forest Research Institute Deovan, Jorhat, Assam (01.04.2003-31.03.2006). [Total outlay: Rs. 4,98,180/-].

*149. Commercially important medicinal and aromatic plants of Uttaranchal Himalaya: Their active constituents and activity by **Dr. G.C. Shah** Department of Chemistry, SSJ Campus Kumaun University Almora, Uttaranchal (02.06.2003-01.06.2006). [Total outlay: Rs. 4,25,730/-].

*150. Identification and chemical exploration of plants of Garhwal Himalayas as natural pesticides by **Dr. M.S.M. Rawat**, Department of Chemistry, HNB Garhwal University Srinagar, Uttaranchal (11.08.2003-10.08.2006). [Total Outlay: Rs. 5,49,200/-].

*151. Community awareness and participation in management of water resources in Shimla and Sloan Districts of Himachal Pradesh by **Ms. Vandana Thapliyal**, WWF India (North Region), Khalini, Shimla, Himachal Pradesh (02.06.2003-01.06.2006). [Total outlay: Rs. 3,49,600/-].

*152. Janpad Rudraprayag ke vikashkhand Jakholi main swarojgar hetu mashroom utpadan taknikee pradarshan evam prasara ke madhyam se nirbal varg ke gramino ko prerit karna by **Mr. R. Kandwal**. Gramin Sudhar Evam Shramik Sewa Sanstha, Budana, Rudraprayag, Uttaranchal (01.04.2003-31.03.2005). [Total outlay: Rs. 3,00,000/-].

*153. Development of strategies to improve the nutrition of dairy animals in the mountains of Uttaranchal by **Dr. Vir Singh** Department of Animal Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal (18.05.2004 -17.05.2007). [Total outlay: Rs. 6,49,520/-].

*154. Improvement of community wastelands through the introduction of improved grass and legumes species in sub- montane and low hills subtropical zone of Himachal Pradesh by **Dr. Purushottam Kumar**, Department of Agronomy, CSK H.P. Krishi Vishwavidyalaya, Palampur, Himachal Pradesh (17.04.2004-16.04.2007). [Total outlay: Rs. 4,99,560/-].

*155. Popularization and dissemination of GBPIHED and DARL (DRDO) agro technology for multipurpose tree plantation through people participation in remote area of Pithoragarh district by **Mr. A.S. Bisht**. Gramodyog Sewa Kalyan Samiti (GSKS), Panda, Pithoragarh, Uttaranchal. (15.04.2004-14.04.2006). [Total outlay :Rs. 1,98,000/-].

*156. Mistletoes heavy loss assessment to fruit and seed production, reproductive value, and progenies of ten important forest trees of Garhwal Himalayas by **Dr. Y.P.S. Pundir**, DBS Post Graduate College, Dehradun, Uttaranchal (21.04.2004-20.04.2007). [Total Outlay: Rs. 4,77,800/-].

*157. Biodiversity, ecology and conservation of wild silk moths in Nagaland by **Dr. Lakhmi Nandan Kakati**, Department of Zoology, Lumami, Mokokchung, Nagaland (30.06.2004-29.06.2007). [Total outlay : Rs. 5,96,620/-].

*158. Development of suitable propagation technologies of tree terminalia species by **Dr. Subhash Nautiyal**, Botany Division, Forest Research Institute, Dehradun Uttaranchal

(18.06.2004-17.06.2007). [Total outlay : Rs. 5,54,990/-].

*159. Vermicomposting from locally available substrate materials and its quality evaluation by **Dr. Raj Pal Sharma**, Department of Soil Science, CSK H.P. Krishi Vishvavidyalaya, Palampur, Himachal Pradesh (01.06.2004-31.05.2007). [Total outlay: Rs. 4,98,916/-].

*160. Evaluation of superior tea hybrids for adaptability and dissemination of technology to the planters for the development of model tea estate by **Dr. Satish Paul**, Department of Tea Husbandry and Technology, CSK HP Krishi Vishvavidyalaya, Palampur, H.P. (01.06.2004-31.05.2007). [Total Outlay: Rs. 5,49,384/-].

*161. Micropropagation of important bamboo species for Indian Himalayan region by **Dr. Anjali Agarwal**, Zonal Agricultural Research Station, GBPUA&T, Majhera, Garampani, Nainital, Uttaranchal (13.05.2004-12.05.2007). [Total outlay: Rs. 4,85,300/-].

*162. Training cum extension program for organic farming in the border area villages of Uttaranchal by **Ms. Rajeshwari Bisht**. Department of Organic Farming, Bal Vikas Siksha Samiti, Bhetiyana, Dhontri, Uttarkashi, Uttaranchal (01.05.2004-30.04.2007). [Total outlay: Rs. 4,00,000/-].

*163. Establishment of eco awareness clubs and income generation activities through nursery raising of medicinal plants in primary and upper primary schools of Paubo block of district Pauri Garhwal by **Dr. Munna Singh**, Institute of Himalayan Awakening and Environmental Research, Dehradun, UA. (01.04.2004-31.03.2007). [Total outlay: Rs. 6,00,000/-].

*164. Assessment and promotion of economic wetland biodiversity of Manipur: A concern for ecological ethnical and economical dimensions by **Dr. Huidrum Birkmar Singh**, Regional Research Laboratory, Manipur Substation (CSIR), Lamphelpat, Imphal, Manipur (01.04.2004-31.03.2007). [Total outlay: Rs. 4,91,200/-].

*165. Conservation of biodegradable waste materials of Imphal city into usable compost through Vermicomposting by **Mr. S. Sanjay Singh**, Agricultural Development Organization (ADO), Manipur University Campus, Kanchipur, Imphal, Manipur (15.06.2004-14.06.2007). [Total outlay: Rs. 4,34,000/-].

*166. Screening of suitable genotypes of *Parkia roxburghii* for agroforestry systems in NEH Region by **Dr. B.P. Bhatt**, Agroforestry Division, ICAR, Barapani, Meghalaya (18.08.2004-17.08.2007). [Total outlay: Rs. 5,74,600/-].

*167. Nutritive value anti nutritional and toxic factors, and domestication potential of some edible wild foods of Meghalaya by **Dr. Dipika Agarhar Murugkar**, Division of Animal Nutrition, ICAR Research complex for NEH Region, Umroi road, Umiam, Meghalaya (10.09.2004-09.09.2007). [Total Outlay: Rs. 5,81,600/-].

168. Exploration of ophidian fauna of Nagaland by **Dr. J. Meren Ao**. Kohima Sci. College, Jotsma, Kohima, Nagaland (01.06.2004- 31.05.2007). [Total outlay: Rs.6,45,150/-].

*169. A study on the bio diversity of Orchids in southern Assam and their conservation by **Dr. B.K. Dutta**, Department of Ecology and Environmental Science, Assam University

Silchar, Assam (01.06.2004-31.05.2007). [Total outlay: Rs. 4,98,200/-].

*170. Ichthyofaunal diversity and fishery potential in the wetlands of Hajo, Kamrup district, Assam and study of socio economic status of the fisherman community by **Dr. (Mrs.) Sabitry Choudhury Bordoloi**, Resource Management and Environment Division, Institute of Advanced Study in Science and Technology (AIASST), Khanapara Guwahati, Assam. (09.06.2004-08.06.2007). [Total outlay: Rs. 5,42,294/-].

*171. Chemical prospecting of certain less known medicinal plant species of Assam used for antifertility [target plant species: *Meyna laxiflora* and *Stephania henamdifolia*] by **Dr. J.G. Handique**, Department of Chemistry, Dibrugarh University, Dibrugarh, Assam (01.05.2004-30.04.2007). [Total outlay: Rs. 6,45,920/-].

*172. Antibacterial activities of folk medicinal plants against the flacherie disease in Muga Silkworm *Antheraea assama* (Ww) by **Dr. B.G. Unni**, Department of Biochemistry, Regional Research Laboratory, Jorhat, Assam (19.04.2004-18.04.2007). [Total outlay: Rs. 4,49,700/-].

*173. Vermicomposting and its application in rural agricultural development in Assam by **Mr. Sarfraz haque/H. Dhattareya**, Institute of Integrated Resource Management, Mission Chariali, Sonitpur, Assam (01.05.2004- 30.04.2007). [Total outlay: Rs. 3,95,600/-].

*174. Conservation of microbial diversity in North Eastern India including Majuli and its potential application in agriculture and industry by **Dr. G. N. Bordoloi**. Department of Botany, Bahona College, Jorhat, Assam (15.05.2004-14.05.2007). [Total outlay: Rs. 5,95,200/-].

*175. Eco-restoration of degraded sacred groves of Meghalaya by **Dr. H.N. Pandey**, Department of Botany, North Eastern Hill University Shillong, Meghalaya (05.05.2004-04.05.2007). [Total outlay: Rs. 5,91,000/-].

*176. Eco-restoration and conservation of religious sites in eastern Himalayan region by **Dr. C.K. Baruah**, Department of Botany, Gauhati University, Guwahati, Assam (05.05.2004-04.05.2007). [Total outlay: Rs. 6,47,450/-].

*177. Studies in land use dynamics and environmental restoration in and around Monasteries in Tawang district of Arunachal Pradesh by **Dr. A. Arunachalam**. Department of Forestry, North Eastern Regional Institute of Science and Technology Nirjuli Arunachal Pradesh (18.08.2004-17.08.2007). [Total outlay: Rs. 6,48,120/-].

*178. Restoration of biodiversity of hills of Kunjapuri Siddhpeeth following badrivan restoration approach by **Dr. H.B. Vashistha**, Division of Forest Ecology and Environment, Forest Research Institute, Dehradun, Uttaranchal (01.07.2004-30.06.2007). [Total outlay: Rs. 6,38,480/-].

179. Eco- restoration and conservation of biodiversity around Shri Baba Balak Nath (Hamirpur) and Shri Naina Devi Jee (Bilaspur) temples in Himachal Pradesh by **Dr. S.D. Kashyap**, Directorate of Research, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Sloan, HP (24.05.2004-23.05.2007). [Total outlay: Rs. 6,06,100/-].

*180. Anthelmintic activity of some traditional medicinal plants in Mizoram by **Dr.**

Bishnupada Roy, Department of Zoology, Pachhunga University College, Aizawl, Mizoram (01.11.2005-31.10.2008). [Total outlay : Rs. 4,99,675/-].

181. Prodhogiki pradarshan evam prasar yojana by **Mr. Gaur Singh Kunwar**, Himalayan Paryavaran, Krishi evam Gramodyog, Shiksha Nagrik "HAVEN" Samiti, Premnagar (Parsari), Joshimath, Uttarakhand (01.05.2005-30.04.2008). [Total outlay: Rs. 5,52,000/-].

*182. *Geranium* farming: A new perspective in boosting economy of Uttaranchal by **Mr. Ashok Sharma**, Himalayan Institute for Environment Ecology and Development, Ranichauri, Tehri Garhwal, Uttaranchal (01.06.2005-31.05.2007). [Total outlay : Rs. 4,31,000/-].

183. Strengthening occupations in vermicomposting for enhancing agriculture production and generating rural employment in block – Narendra Nagar, district – Tehri Garhwal (Uttaranchal) by **Mr. Narendra Singh Chauhan**, Society for Entirety, Efficacious Development and Awareness, Rishikesh, Dehradun, Uttaranchal (01.04.2005-31.03.2007). [Total outlay: Rs. 4,76,000/-].

184. Use of natural carotenoids as food colorant by **Dr. Bhabesh C. Goswami**, Department of Chemistry, Gauhati University, Guwahati, Assam (16.05.2005-15.05.2008). [Total outlay: Rs. 4,01,500/-].

*185. Biodiversity of Spider fauna in rice agro-ecosystems of Assam by **Dr. Prabal Saikia**, Regional Agricultural Research Station, Assam Agricultural University, North Lakhimpur, Assam (03.05.2005-02.05.2008). [Total outlay Rs. 4,99,900/-].

*186. Documentation of ethnic invertebrate food resources and evaluation of nutritional content and their role in primary health care of selected tribes of Arunachal Pradesh, India by **Dr. Jharna Chakravorty**, Department of Zoology, Arunachal University, Rono Hills, Itanagar, Arunachal Pradesh (21.07.2005-20.07.2008). [Total outlay: Rs. 3,99,970/-].

187. Cultivation and propagation of high value medicinal and aromatic plant species for sustainable development and germplasm conservation in subtropical and temperate agro-climatic zones in Apatani valley by **Mr. Rubu Buker**, Nature Care and Disaster management Society, Ziro, Village Lempia, Lower Subansiri, Arunachal Pradesh (01.06.2005-31.05.2008). [Total outlay Rs. 5,20,000/-].

*188. Changing landuse/landcover and soil loss in the Indian eastern Himalaya, a drainage basin input-output analysis, Arunachal Pradesh by **Dr. R.C. Joshi**, Department of Geography, Arunachal University, Doimukh, Arunachal Pradesh (12.05.2005-11.05.2008). [Total outlay: Rs. 5,99,725/-].

189. Attitudinal parameters of human resource and development : A study of indigenous people of Arunachal by **Dr. S.K. Sharma**, Department of Commerce, Dera Natung Govt. College, Itanagar, Arunachal Pradesh (1.6.2005-31.5.2008). [Total outlay : Rs. 3,99,900/-].

*190. Survey and studies on wild mushrooms of Arunachal Pradesh by **Dr. Rishikesh Mishra**, Department of Botany, Dera Natung Govt. College, Itanagar, Arunachal Pradesh (01.06.2005-31.05.2008). [Total outlay: Rs. 2,99,250/-].

- *191. Qualitative analysis of the funal biodiversity of the Kane Wildlife Sanctuary, West Siang, Arunachal Pradesh by **Mr. B. B. Bhatt**, North East India Biodiversity Research Foundation, State Forest Research Institute, Van Vihar, Itanagar, Arunachal Pradesh (01.06.2005-31.05.2008). [Total outlay :Rs. 3,99,625/-].
- *192. Studies on wild and semi-wild plants of Tripura with special reference to their diversity and socio-economic values by **Dr. R.K. Sinha**, Department of Life Science, Tripura University, Suryamaninagar, Tripura (West), Tripura (28.04.2005-27.04.2008). [Total outlay : Rs. 5,52,000/-].
- *193. Documentation and evaluation on rice bean (*Vegna umbellate* (Thumb) Ohwi and Ohashi] diversity of Nagaland by **Dr. Sapu Changkija**, Department of Genetics and Plant Breeding (SASRD), Nagaland University, Medziphema, Nagaland (15.04.2005-14.04.2009). [Total outlay :Rs. 5,50,000/-]. **extended**
- *194. Ecology and management of bamboos in home gardens of Barak valley, North-East India by **Dr. Ashesh Kumar Das**, Department of Ecology and Environmental Science, Assam Univ., Silchar, Assam (02.09.2005-01.09.2008). [Total outlay :Rs. 5,50,000/-].
- *195. Evaluation of different variant of Muskbala (*Valeriana jatamansi*) for enhanced productivity and quality under mid hill conditions of Himachal Pradesh by **Dr. Virendra Singh**, Natural Plant Product Division, Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P. (01.05.2005-30.04.2008). [Total outlay :Rs. 5,98,000/-].
- *196. Eco-restoration through involvement of religious institutions in Himachal Pradesh by **Dr. R.D. Singh**, Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P. (11.04.2005-10.04.2008). [Total Outlay: Rs. 5,99,955/-].
- *197. Forest based community livelihood through sustainable protection and exploitation in Shiwalik and Shiwalik foothills of Himachal Pradesh by **Mr. Pushpendra Rana**, IFS, DFO-Paonta, District-Sirmaur, H.P. (01.09.2005-31.08.2008). [Total outlay: Rs. 5,67,000/-].
- *198. Evaluation of indigenous wild types of Himalayan roses for rose rootstocks by **Mr. D. Dhyani**, Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P. (11.04.2005-10.04.2008). [Total outlay :Rs. 4,49,995/-].
- *199. Farm women training in value addition of indigenous products with emphasis on post harvest management by **Dr. Sangita Sood**, Department of Food Science and Nutrition, Himachal Pradesh Agricultural University, Palampur, Kangra, H.P. (25.04.2005-24.04.2008). [Total outlay :Rs. 4,79,000/-].
- *200. Survey, collection and maintenance of promising large Cardamom germplasm in Himachal Pradesh by **Dr. R.K. Sud**, Institute of Himalayan Bioresource Technology (IHBT), Palampur, H. P. (08.04.2005-07.04.2008). [Total outlay :Rs. 4,99,675/-].
- *201. Inventory of biomass resources and livelihood strategies by the rural populace of Mizoram by **Dr. H. Lalramnghinglova**, Department of Forest Ecology, Mizoram University, Aizawl, Mizoram (01.06.2005-31.05.2008). [Total outlay: Rs. 5,99,250/-].

202. Unveiling the sacred: Documenting the conservational practices of the Dev Vans of Kumaun by **Dr. Girija Pande**, Himalaya Sanskriti Evam Vikas Sansthan (HSVS), Nainital, Uttaranchal (01.06.2005-31.05.2008). [Total outlay: Rs. 5,35,500/-].

*203. Dhara vikas pariyojana by **Mrs. Pushpa Sharma**, Nera Mahila Samiti, Pithoragarh, Uttaranchal (20.04.2005-19.04.2007). [Total outlay : Rs. 2,57,000/-].

*204. Studies on plant diversity in Rakchham-Chitkul Wildlife Sanctuary of district Kinnaur, Himachal Pradesh by **Dr. R. K. Verma**, Department of Ecology and Biodiversity Conservation, Himalaya Forest Research Institute, Shimla, Himachal Pradesh (01.04.2006-31.03.2009). [Total outlay: Rs. 5,47,500/-].

*205. Inventorization, documentation of plant diversity and to evolve site-specific management strategies for conservation of various sacred groves in Kullu Valley of Himachal Pradesh by **Dr. A. Rajasekaran**, Department of Non Wood Forest Products, Himalaya forest Research Institute, Shimla, Himachal Pradesh (01.04.2005-31.03.2008). [Total outlay : Rs. 5,61,200/-].

*206. Environment, tribal culture and resource management in the kilki watershed of Zunheboto hills, Nagaland by **Dr. M.S. Rawat**, Department of Geography and Resource Management, Nagaland University (Lumami), Mokokchung, Nagaland (01.05.2005-30.04.2008). [Total outlay: Rs. 5,79,600/-].

207. Efficient use of mid-hill grasslands of Himachal Pradesh through participatory silage making by **Dr. Sudesh Radotra**, Regional Research Centre, Indian Grassland Fodder Research Institute, CSK HP KV Campus, Palampur, Himachal Pradesh (01.06.2005-31.05.2008). [Total outlay : Rs. 5,46,700/-].

*208. Mass multiplication and short to medium-term conservation of two rare and threatened orchids of Nagaland: An in-vitro approach by **Dr. C. R. Deb**, Department of Botany, Nagaland University, Lumami, Mokokchung, Nagaland (01.04.2005-31.03.2008). [Total outlay: Rs. 6,50,000/-].

*209. Arbuscular mycorrhizal diversity in disturb, conserved and cultivated system in Kumaun region in Uttaranchal by **Dr. A. K. Sharma**, Department of Biological Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal (26.04.2005-25.04.2008). [Total outlay Rs. 6,49,000/-].

*210. Development, demonstration and dissemination of agro-technology for Rosemary (*Rosemarinus officinalis*) in Uttaranchal by **Dr. L. Ur Rahman**, CIMAP Resource Centre, Purara, Bageshwar, Uttaranchal (01.04.2005-31.03.2009). [Total outlay: Rs. 6,80,000/-].
extended

*211. Development of ecologically viable and socio-economically acceptable integrated models of arresting willow (*Salix* Spp.) mortality in Lahaul valley of Himachal Pradesh by **Dr. K.S. Kapoor**, Himalayan Forest Research Institute, Shimla, Himachal Pradesh (01.04.2005-31.03.2008). [Total outlay: Rs. 7,10,000/-].

*212. Soil conservation and maximization of forage production in Kumaon hills by **Mr. Chandra Bhushan**, Zonal Agricultural Research Station, GBPUA&T, Majhera, Garampani, Nainital, Uttarakhand (22.11.2007-21.11.2010). [Total outlay : Rs. 6,39,100/-].

*213. Rehabilitation of degraded wasteland as germplasm resource center in temperate region of Garhwal Himalaya, Uttarakhand by **Dr. B. P. Nautiyal**, Society for Himalayan Environment and Biodiversity Conservation, Srinagar, Uttarakhand (01.04.2008-31.03.2011). [Total outlay : Rs. 4,96,800/-].

*214. Screening, selection and cultivation of medicinal plants of heavy demand to uplift the financial status of rural population by **Dr. T.S. Mehra**, Dolphin Institute of Biomedical and Natural Science, Dehradun, Uttarakhand (01.12.2007-31.11.2010). [Total outlay : Rs. 6,49,000/-].

*215. Demonstration of low-cost rural technological packages and water conservation measures for agricultural development in four micro-watersheds of Pinder catchment in Uttarakhand by **Mr. B.M. Kandpal**, SIMAR, Haat Kalyani, Dewal, Chamoli Garhwal, Uttarakhand (15.12.2007-14.12.2009). [Total outlay: Rs. 4,00,000/-].

216. Conservation of community forests of Uttarakhand by capacity building of local communities in carbon monitoring and trade by **Dr. Y.S. Rawat**, Department of Botany, D.S.B. Campus, Nainital, Uttarakhand (17.06.2008-16.06.2011). [Total outlay: Rs. 6,18,125/-].

*217. Demonstration and extension of fodder grass production among rural women in Pithoragarh district of Uttarakhand state by **Mr. R.S. Bisht**, Swati Gramodyog Sansthan, Pithoragarh, Uttarakhand (01.12.2007-30.11.2010). [Total outlay: Rs. 3,73,000/-].

*218. Lahoul (thande marusthal) kshetra main bahupayogi prajatiyon ki paudhshala viksit karna evam sanrakshan praroop sthapit kar janjagriti lana by **Mr. L.C. Dhissa**, Sadprayash, Raghunathpur, Kullu, Himachal Pradesh (01.12.2007-30.11.2012). [Total outlay: Rs. 5,69,000/-]. **extended**

*219. Development of high grade medicinal and aromatic plants in Uttarakhand by **Dr. C.S. Mathela**, Department of Chemistry, D.S.B. Campus, Kumaun University, Nainital, Uttarakhand (01.12.2007-30.11.2010). [Total outlay: Rs. 6,52,000/-].

*220. Habitat utilization and geographical distribution of Himalayan Mouse-hare (*Ochotona roylei*) with special reference to its feeding behaviour and impact on high altitude medicinal plants by **Dr. S.N. Bahuguna**, Department of Zoology, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (15.01.2008-14.01.2011). [Total outlay: Rs. 6,49,750/-].

*221. Status, multiplication and conservation of some high altitude medicinal herbs used in 'Ashtaverga' by **Dr. M.C. Nautiyal**, HAPPRC, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (01.04.2008-31.06.2011). [Total outlay: Rs. 7,90,000/-]. **extended**

*222. Forest structure, composition and diversity in relation to socio-economic status of the people along a disturbance gradient in Dudhatoli area of Garhwal Himalaya by **Dr. C.M. Sharma**, Department of Forestry, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (01.04.2008-31.03.2011). [Total outlay : Rs. 6,03,000/-].

*223. Developing sacred groves in Uttarakhand using religious beliefs and traditional values of communities : A field test of conservation and restoration practices by **Dr. Ashish Tiwari**, Central Himalayan Environment Association (CHEA), Nainital, Uttarakhand (01.03.2008-28.02.2010). [Total outlay : Rs. 4,75,200/-].

*224. Establishment of demonstration unit and germplasm resource centre for commercial cultivation of highly valuable *Stevia rebaudiana* Bertoni by **Dr. Hemlata Bisht**, Uttarakhand Paryavaran Vikas Samiti, Srinagar, Garhwal, Uttarakhand (01.01.2008-31.12.2010). [Total outlay: Rs. 5,82,400/-].

*225. Sthaniya sansadhano ke aikikrit prabandhan evam takniki hastantaran dwara mahila udhamita vikas by **Dr. Sunil Pandey**, Neo Integrated Development of Himalaya (NIDHI), Pithoragarh, Uttarakhand (15.12.2007-14.12.2010). [Total outlay: Rs. 5,31,800/-].

226. Study of traditional system of medicine and its role in providing community healthcare and health education in hill communities by **Dr. Mahesh Bhatt**, Sri Badri-Kedar Srijnatmak Samiti (SBKCO), Srinagar, Garhwal, Uttarakhand (01.02.2008-31.01.2011). [Total outlay: Rs. 6,24,300/-].

*227. Traditional health care systems in Garhwal Himalaya : A historical study of change and continuity by **Dr. D.P. Saklani**, Department of History, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (01.02.2008-31.01.2011). [Total outlay: Rs. 5,88,000/-].

*228. Planning and promoting ecotourism at selected tourist destinations of Almora, Bageshwar and Nainital of Kumaun Himalaya for community development by **Dr. S.C. Bagri**, Centre for Mountain Tourism, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (01.04.2008-31.03.2010). [Total outlay: Rs. 4,44,400/-].

*229. Studies on bird fauna of habitats established with invasive vegetation in Garhwal Himalaya by **Dr. M.S. Bisht**, Department of Zoology, Pauri Campus, HNB Garhwal University, Pauri, Uttarakhand (01.04.2008-31.03.2011). [Total outlay: Rs. 6,47,450/-].
extended

*230. Search for therapeutic agents of herbal origin to target diabetes and cancer by **Dr. Ritu Barthwal**, Department of Biotechnology, Indian Institute of Technology, Roorkee, Uttarakhand (10.12.2007-09.12.2010). [Total outlay : Rs. 7,92,750/-].

231. Promotion of Satawar production in Muwani valley of Pithoragarh district by **Mr. Chandra Shekhar**, Himalayan Study Circle, Pithoragarh, Uttarakhand (01.12.2007-30.11.2010). [Total outlay: Rs. 4,00,000/-]..**extended**

*232. Vikas khand Salt va Syalde Almora ke pachas gramon mein paramparik chikitsa padhati punruthan evam prasara karyakaram by **Dr. Dilip Kumar Rajpoot**, Himalayan Paryavaran Kshikshan evam Sodh Sansthan (INHERE), Masi, Almora, Uttarakhand (01.02.2008-31.01.2011). [Total outlay: Rs. 5,18,000/-].

*233. Banjarbhoomi punarsthapana hastantaran dwara gramon nirbal verg ka samajik unnayan by **Mr. M.S. Jagwan**, Himalayan Paryavaran Sanrakshana evam Gramin Krishi Vikas Sanstha, Tilwara, Rudraprayag, Uttarakhand (18.11.2007-17.11.2010). [Total outlay: Rs. 3,89,850/-].

*234. Environmental restoration using plant-microbe interaction: Rhizoremediation by **Dr. Piyush Pandey**, Department of Microbiology, S.B.S. (P.G) Instt. of Biomedical Sciences and Research, Dehradun, Uttarakhand (01.01.2008-31.12.2010). [Total outlay: Rs. 4,95,000/-].

*235. Cultivation and development technologies of fodder etc. at Vivekananda Ashrama, Shyamla Tal (Champawat) by **Swami Tanmayananda**, Vivekanand Ashrama, Shyamla Tal, Sukhidhang, Champawat, Uttarakhand (01.03.2008-28.02.2010). [Total outlay: Rs. 2,82,000/-].

*236. Eco-restoration and conservation initiatives at Danda Shrinagraja in the Garhwal Himalayas by **Dr. Charan Singh**, Department of Forest Research Institute, New Forest, Dehradun, Uttarakhand (26.02.2008-25.02.2011). [Total outlay : Rs. 4,99,100/-].

*237. Unnat chara pradarshan evam prasara by **Mr. S.K. Chauhan**, Aakashdeep Seva Sansthan, Pithoragarh, Uttarakhand (01.12.2007-30.11.2010). [Total outlay : Rs. 4,66,000/-].

*238. Integrated project on land usage for upliftment of socio-economic condition of the tribal communities by **Mrs. O. I. Devi**, The Women's Income Generation Centre (WIGC), WIGC Complex, Thoubal Wangmataba, Thoubal, Manipur (01.12.2007-30.11.2010). [Total outlay: Rs. 5,58,688/-].

239. Status, biodiversity value and strategies for conservation of sacred groves of East and West Khasi hills of Meghalaya by **Dr. B.K. Tiwari**, Centre for Environmental Studies, North eastern Hill University, Shillong, Meghalaya (04.11.2009-03.01.2012). [Total outlay: Rs. 7,98,600/-].

*240. Ethno-biological study and conservation of sacred forests towards evolving sound policy initiative for their eco-restoration by **Mr. Chandra Singh Negi**, Department of Zoology, Govt. P.G. College, Pithoragarh, Uttarakhand (01.08.2009-31.07.2012). [Total outlay: Rs. 7,46,000/-].

*241. Diversity of wild edible Mushrooms in Garhwal Himalaya by **Dr. R.P. Bhatt**, Department of Botany, HNB Garhwal University, Srinagar, Garhwal, Uttarakhand (07.10.2009-30.4.2013). [Total outlay: Rs. 5,95,100/-]. **extended**

242. Development of an afforestation model at Siachen base camp in Nubra valley of J&K known as Siachen Ecological Park by **Col. Kuljinder Singh**, HQ 102 Infantry Brigade, C/o 56 APO (01.04.2010-31.03.2013). [Total outlay: Rs. 8,41,000/-].

- *243. Development of an afforestation model at Army camp (Garhwal Scouts), Badrinath, Mana village, Badrinath and Rakshavan at Dhantoli (Mana), Uttarakhand by **Colonel Amit Kabtyal**, Commanding Officer, Garhwal Scouts, C/o 56 APO (01.04.2010-31.03.2013). [Total outlay: Rs. 8,36,000/-].
- *244. Assessment of soil health using bio-indicators in central Himalayas by **Dr. B.R. Maurya**, Department of Soil Science and Agricultural Chemistry, Banaras Hindu University, Varanasi, U.P. (17.08.2009-16.08.2011). [Total outlay : Rs. 8,42,820/-].
- *245. Essential oil constituents of *Artemisia* species from Uttarakhand Himalaya and impact of environmental factors on their chemical constituents by **Dr. Girish Chandra Shah**, Department of Chemistry, Kumaun University, SSJ Campus, Almora, Uttarakhand (01.07.2009-30.06.2012). [Total outlay: Rs. 7,00,350/-].
- *246. Eco-biology of a mosquito fish, *Gambusia affinis* (Peocilidae) for its control in Lake Nainital, Uttarakhand by **Dr. P.K. Gupta**, Department of Zoology, Kumaun University, Nainital, Uttarakhand (13.07.2009-12.07.2012). [Total outlay: Rs. 7,48,650/-].
- *247. Development of database on the photosynthetic diversity in Indian grass flora by **Dr. S.K. Vats**, Department of Biodiversity, Institute of Himalayan Bioresource Technology (IHBT), Palampur, Himanchal Pradesh (30.06.2009-29.12.2011). [Total outlay: Rs. 6,15,250/-]. **extended**
- *248. Propagation and conservation of Oaks of central Himalaya through *in vitro* methods by **Dr. Sushma Tamta**, Deptt. of Botany, Kumaun University, Nainital, Uttarakhand (01.08.2009-31.07.2012). [Total outlay: Rs. 8,49,450/-].
- *249. Technology transfer of water harvesting, water recharge and vermin-composting for socio economic development of rural communities of degraded environment of Himanchal Pradesh by **Mr. Keshav Ram Loththa**, Manav Kalyan Seva Samiti, Karai, Chopal, Shimla, Himachal Pradesh (09.07.2009-08.07.2011). [Total outlay: Rs. 5,54,400/-].
- *250. Improved soil fertility and food production with organic farming for sustainable agriculture for food security, livelihood and increased income by **Suraaj Prakash Ghulati**, SANCHAR, Commercial Centre, Safdarjung Enclave, New Delhi (03.07.2009-02.07-2012). [Total outlay: Rs. 7,89,660/-].
- *251. Seemant kshetra ke Janjatiyon ki sahbhagita dwara Gamsali se Takund glacier tak paye jane wale ucha shikhariya ausadhee padap prajatiyon ka sanrakshan, samvardhan evem krishikaran by **Mr. B.S. Khati**, Jai Nanda Utthan Samiti, Bhimtala, Chamoli Garhwal, Uttarakhand (01.10.2009-30.09.2012). [Total outlay : Rs. 9,07,500/-].
- *252. Empowerment of mountain community through household eco tourism by **Dr. (Mrs.) Jatinder Kishtwaria**, College of Home Science, CSK HP KVV, Palampur, H.P (22.07.2009-21.07.2012). [Total outlay: Rs. 7,70,904/-].
- *253. Rehabilitation of degraded lands through vegetative and mechanical measures in high rainfall area of Himachal Pradesh by **Dr. Pardeep Kumar**, Department of Soil Science, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur, Himachal Pradesh (01.04.2010-31.03.2013). [Total outlay : Rs. 7,79,816/-].

*254. Species diversity of aboveground insects and identification of economically important species vis-a-vis their role in sustaining a forest ecosystem by **Dr. P. C. Joshi**, Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar, Uttarakhand (01.05.2010-30.04.2013). [Total outlay : Rs. 7,48,220/-].

*255. Documentation of sacred groves and trees of Himachal Pradesh by **Ms. Vandana Thaplyal**, WWF - India, Bishop Cotton School, New Shimla, Himachal Pradesh (01.04.2010-31.03.2013). [Total outlay : Rs. 5,91,800/-].

*256. Preliminary investigations on biosystematics of macrofungi for domestication of edible species in tribal areas of Lahaul valley in Himachal Pradesh by **Dr. Subhash Dhancholia**, CSK Himachal Pradesh Krishi Vishvavidyalaya, Highland Agricultural Research and Extension Centre (HAREC), Kukumseri, Lahaul and Spiti, Himachal Pradesh. (01.04.2010-31.03.2013). [Total outlay: Rs. 7,68,900/-].

*257. Rapid mass multiplication of two economically important plants of North-East India by **Dr. Chitta Ranjan Deb**, Department of Botany, Nagaland University, Lumami, Mokokchung, Nagaland (01.03.2010-28.02.2013). [Total outlay : Rs. 8,44,560/-].

*258. Establishment of nursery and promotion of afforestation programme through people's participation for sustainable development in Himalayan rural ecosystem by **Dr. G. R. Gargya**, Society for Environment Research and Social Development, Chaka-Silli (Agastyamuni), Rudraprayag, Uttarakhand (01.04.2010-31.03.2013). [Total outlay : Rs. 4,39,500/-].

259. Ecological development of Uroli micro watershed by **Mr. Narendra Rautela**, Voluntary Association for the Development of the Hills of Uttarakhand, Purani Abkari, Ranikhet, Almora, Uttarakhand (01.03.2010-29.02.2012). [Total outlay : Rs. 6,07,350/-].

260. Studies on nematodes of forest trees in Pir Panjal biodiversity park by **Dr. A. A. Shah**, Centre for Biodiversity Studies, CBS, BGSB University, Rajouri, J&K. (01.04.2010-31.03.2013). [Total outlay : Rs. 8,35,200/-].

261. Exploring potential of fibre plants for value-added textile products in mountainous areas of Himachal Pradesh by **Dr. (Mrs.) Sapna Gautam**, College of Home Science, CSK HPKV, Palampur, Himachal Pradesh (17.07.2010-16.07.2013). [Total outlay : Rs. 7,92,120/-].

262. Manipuri banj par aadharit aajivika samvardhan ka pradarshan evam prasar by **Mr. Girish Sharma**, Uttaranchal Gramodyog Vikas Sansthan, Dhaili, Darman, Almora, Uttarakhand (01.04.2010-31.03.2013). [Total outlay: Rs. 5,00,000/-].

*263. Gramin kshetra main swarojgar gramon kshetron main utpadit phalon se hi janmanas ko labhanvit karana tatha unki aarthik, samajik evam paristhitikeya vikas karana by **Mr. Baldev Singh Bhandari**, Gramin Mahila Swasthya Chetna Evam Swarojgar Vikas Samiti, Purola, Uttarkashi, Uttarakhand (01.04.2010-31.03.2013). [Total outlay: Rs. 6,00,000/-].

264. Local essential oils enterprise for value addition to natural soap making enterprise Kullu, Himachal Pradesh by **Ms. Sohni Trehan**, Jagriti, Badah, Mohal Kullu, Himachal Pradesh (01.04.2010-31.03.2013) [Total outlay : Rs. 7,80,552/-].

265. Restoration of degraded Dhanidar forest range in Rajouri (J&K) through SWEET package of GBPIHED by **Dr. Shreekar Pant**, Baba Ghulam Shah Badshah University, Rajouri, J&K (18.03.2010-17.03.2013). [Total outlay : Rs. 8,85,600/-].

*266. Design of community conservation model to support eco-restoration of biodiversity in eastern buffer of Manas Biosphere Reserve by **Dr. Pranjal Benbarua**, Grasshopper, Guwahati, Assam (17.06.2010-16.09.2011). [Total outlay : Rs. 4,48,800/-].

*267. Himalayee vanaudhayan ka punarutpadan evam punarsthapana by **Mr. B.S. Takuli**, Gramin Utthan Samiti, Kapkot, Uttarakhand (01.06.2010-31.03.2015). [Total outlay : Rs. 5,35,000/-]. **Extended.**

*268. Use of underutilized plants for value addition and food fortification leading to income generation in the Garhwal Himalaya by **Dr. Anuradha Dutta**, Krishi Vigyan Kendra, G.B. Pant University of Agriculture & Technology, Ranichauri, Tehri Garhwal, Uttarakhand (01.03.2011-28.02.2014). [Total outlay : Rs. 8,40,180/-].

*269. Sustainable forage production through participatory cereal clover bi-cropping in mid hills of Himalaya by **Dr. Inder Deb**, Indian Grassland and Fodder Research Institute, Regional Research Centre, CSK Himachal Pradesh Krishi Vishvavidyalaya Campus, Palampur, Himachal Pradesh (02.04.2011-01.04.2014). [Total outlay : Rs. 7,23,800/-].

*270. Study of variation in quality parameters of some medicinal plants under cultivation and natural habitat for socio-economical development of the area by **Dr. (Mrs.) Ganga Bisht**, DSB Campus, Kumaun University, Nainital, Uttarakhand (11.12.2010-10.12.2013). [Total outlay : Rs. 6,00,400/-].

271. Development and dissemination of agro-technology for selected elite clones of Lavender in Uttarakhand by **Dr. Laiq-ur-Rahman**, Central Institute of Medicinal & Aromatic Plants (CIMAP), Lucknow, U.P. (09.11.2010-08.11.2013). [Total outlay: Rs. 7,08,000/-].

*272. Development and quality evaluation of specialty products prepared by exploiting the local medicinal crops of Himachal Pradesh by **Dr. Sangita Sood**, CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur, H.P. (08.02.2011-07.02.2013). [Total outlay: Rs. 7,30,840/-].

273. Ecology, nursery development and propagation of important medicinal plants in a remote area of Chamoli district by **Dr. Jeet Ram**, Department of Forestry & Environmental Science, Kumaun University, Nainital, Uttarakhand (01.01.2011-31.12.2013). [Total outlay: Rs. 6,86,000/-].

274. Augmenting non-conventional feed and forage production for the optimization of productivity in hill cattle by **Mr. Bimlendu Kumar Choudhary**, Gramin Uthan Samiti, Vikashnagar, Dehradun, Uttarakhand.(29.04.2011-28.04.2013) [Total outlay: Rs. 6,72,720/-].

*275. Application of rural technologies for income generation among rural women and poor farmers through vermiculture and floriculture by **Mr. Mahendra Prasad Bhatt**, Society for Environment and Employment Development, Joshiyara, Uttarakashi, Uttarakhand (01.01.2011-31.12.2013). [Total outlay: Rs. 6,92,180/-].

276. Prakritik sansadhan prabandhan-prashikshan evam nast ho rahe phalon ke paudh sanrakshan (briksha ropan) karyakram by **Mrs. Vishveswari Devi**, Himalayee Paryavaran Arakshi Mahila Society, Garurganga, Chamoli Garhwal, Uttarakhand (25.11.2011-24.11.2014). [Total outlay: Rs. 5,00,000/-].

*277. Briksh Kheti vikas pariyojana by **Mr. Jagdish Kaloni**, Mushkan Samajik Utthan Samiti, GIC Road, Pithoragarh, Uttarakhand (01.11.2011-31.10.2014). [Total outlay: Rs. 4,74,000/-].

*278. Madhya Himalayan lostu shetra main vanaushdheeya prodyogiki evam audhyaniki pradarshan, prasar pariyojana by **Mr. Bhola Dutt Shastri**, Panch Pushp Kalyan Sansthan, Shakti Vihar, Srinagar, Uttarakhand (01.11.2011-31.10.2014). [Total outlay: Rs. 5,30,000/-].

279. Dissemination and demonstration of water harvesting, conservation and ground water recharging technologies through institutional linkages for ststainalbe livelihood by **Mr. Mukesh Patir**, Management Division, IIRD Complex, Sanjauli, Shimla, Himanchal Pradesh (22.07.2012-21.07.2015). [Total outlay: Rs. 7,69,000/-].

*280. Prakritik sansadhan prabandh adharit satat gramin vikas ke liye prodyogiki pradarshan evam prasar pariyojana by **Dr. Diwan Nagarkoti**, Lok Prabandh Vikas Sanstha Resal, Sunoli, Almora Uttarakhand (01.11.2011-31.10.2014). [Total outlay: Rs. 5,24,000/-].

*281. Feasibility of agri/horti diversification and linking it to value addition and marketing of remotely Tehri dam affected placed villages of Gajana Patti (zone/area) of Uttarkashi district by **Dr. Bharat Bhushan Bhatt**, Shyam Smriti Van Paryavaran Evam Jan Kalyan Samiti, Bhatwari Road, Uttarkashi, Uttarakhand. (01.01.2012-31.12.2014). [Total outlay: Rs. 6,89,040/-].

*282. Enhancing livelihood in eco-fragile mountainous zone of district Tehri Garhwal of Uttarakhand closed to Tehri Dam reservoir through sustainable agriculture practices for quality vegetable practices through advance protected and guided technology by **Dr. Mahendra Pal Singh Parmar**, Himalayan Institute of Environment, Ranichauri, Uttarakhand (01.01.2012-31.12.2013). [Total outlay: Rs. 5,64,000/-].

*283. Prakritik jal sroton ka sanrakshan samvardhan evam peyjal vikas pariyojana by **Mr. Bhupendra Bisht**, Yuva Kalyan Vikas Samiti, Natraj Bhawan, Matela, Kosi, Almora, Uttarakhand (01.11.2011-31.10.2013). [Total outlay: Rs. 5,36,000/-].

*284. Socio-economic upliftment of rural women and educated unemployed youths of district Pithoragarh by **Mr. Dharendra Joshi**, Himalayan Sewa samiti, Chandak, Pithoragarh, Uttarakhand (01.12.2011-30.11.2014). [Total outlay: Rs. 6,00,000/-].

*285. Plant diversity studies in Shikari Devi wildlife sanctuary of district Mandi Himachal Pradesh for long term ecological monitoring by **Dr. R. K Verma**, HFRI, Conifer Campus, Panthaghati, Shimla, Himachal Pradesh. (01.04.2014-31.03.2017) [Total outlay: Rs. 5,78,450/-]

*286. Development of aerobic symbiotic diazotrophic and phosphatic bio-fertilizer for sustainable agriculture in central Himalaya by **Dr. B. R. Maurya**, Department of Soil

Science and Agricultural Chemistry, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, U.P. (05.01.2015-04.01.2018) [Total outlay: Rs. 14,15,920/-]

*287. Ecological assessment and prioritization of floristic diversity: Developing conservation strategies for Shimla water catchment sanctuary, Himachal Pradesh by **Dr. K. S. Kapoor**, Department of Ecology and Biodiversity Conservation, Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla, Himachal Pradesh. (01.04.2014-31.03.2017) [Total outlay: Rs. 8,84,350/-]

288. Build-up of *ocimum spp.* Germplasm of herbal potential for awareness in Central Himalayan region (CHR) by **Dr. K. S. Negi**, NBPGR, ICAR, Regional station, Bhowali, Nainital, Uttarakhand. (01.07.2014-30.06.2017) [Total outlay: Rs. 13,24,510/-]

*289. Enhancing skills and capacity building through organic farming of small, marginal and women farmers in utilizing natural resources for increased production and income generation in district Almora, Uttarakhand by **Mr. Suraj Prakash Ghulati**, SANCHAR, Bhikaji Cama Place, New Delhi. (08.07.2014-07.10.2015) [Total outlay: Rs. 7,12,250/-]

*290. Livelihood empowerment of women in five villages of Narendra Nagar block of district Tehri Garhwal in the state of Uttarakhand by introducing organic cultivation of pulses and spices through protected cultivation techniques for establishment of model bio-villages by **Dr. B. P. Nautiyal**, Himalayan Institute for Environment, Ecology and Development (HIFEED), Ranichauri, Tehri Garhwal, Uttarakhand. (01.07.2014-30.06.2016) [Total outlay: Rs. 9,06,000/-]

*291. Exploration and conservation of ecologically and economically important threatened plant species occurred in sacred groves of Assam by **Dr. (Mrs.) Ashalata Devi**, Department of Environmental Science, Tezpur University, Napaam, Sonitpur, Assam. (26.12.2014-25.12.2017). [Total outlay: Rs. 9,96,600 /-].

*292. Cultivation and productive potential of milky mushroom (*Calocybe indica P&C*) on different lignocellulosic wastes of Jammu division by **Prof. Geeta Sumbali**, Department of Botany, University of Jammu, J&K. (04.11.2014-03.11.2017) [Total outlay: Rs. 8,62,000/-]

*293. Enhanced withanolides production in root cultures including transgenic roots of *Withania somnifera* (Ashwagandha) under micro/macro environment of rhizogenesis by **Dr. Sanjeev Agarwal**, Department of Biochemistry, CBSH, GBPUA&T, Pantnagar, U. S. Nagar, Uttarakhand. (13.01.2015-12.01.2018) [Total outlay: Rs. 10,82,150/-]

*294. To study the effects of climate change induced new fire regimes on chir-pine and adjacent oak-pine mixed forests of Uttarakhand Himalaya by **Dr. Pankaj Tewari**, Central Himalayan Environment Association (CHEA), Nainital, Uttarakhand. (01.11.2014-31.01.2017) [Total outlay: Rs. 9,21,800/-]

*295. Assessment of diversity, bio-ecology and conservation strategies of wild silk moths (Oak tasar worm, *Antheraea spp.* (Lepidoptera: Saturniidae) in western Himalayan region of Uttarakhand, India by **Dr. P. C. Joshi**, Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, Uttarakhand. (14.08.2015-13.08.2018) [Total outlay: Rs. 13,38,260/-]

*296. Study of landslides and their significance on environment in the state of Sikkim by **Dr. Varun Joshi**, Guru Govind Singh Indraprastha University, Dwarka, New Delhi. (7.12.2015-6.12.2018) [Total outlay: Rs. 13,96,157/-]

297. Takneeki hastantaran dwara pashuchara prabandhan evam prasar by **Mr. G. R. Tamta**, Yuva Kalyan Vikas Samiti, Matela, Kosi, Almora, Uttarakhand. (20.07.2015-19.07.2018) [Rs. 5,89,050/-]

*298. Development of green campus in schools of Manipur, Northeast India by **Dr. H. B. Singh**, CSIR-North-East Institute of Science & Technology, Lamphelpat, Imphal, Manipur. (25.5.2016-24.5.2019) [Rs. 9,84,500/-]

299. Conservation by transplantation of rarest of rare perennial tuberous herb *Eremostachys superba*, in Siwalik and lower Mussoorie hills of Uttarakhand Himalayas by **Dr. Y. P. S. Pundir**, DBS (PG) College, Dehradun, Uttarakhand. (20.5.2016-18.5.2019) [Rs. 6,76,200/-]

*300. Exploring Nettle as an alternative nutrition-rich field crop in Uttarakhand by **Dr. Vasudha Pant**, Green Hills Trust, Kranti Kuteer, East Pokharkhali, Almora, Uttarakhand. (1.5.2016-30.4.2019) [Rs. 7,17,150/-]

*301. Bio-methanation of food waste at Sahstradhara tourist destination by high rate modular digester in collaboration of Sahstradhara destination management committee (SDMC) by **Mr. Vipin Kumar**, HIFEED, Ranichauri, Tehri Garhwal, Uttarakhand. (15.4.2016-14.4.2019) [Rs. 14,74,000/-]

*302. Habitat study and exploration of species diversity of Cordyceps for their pharmacological effects on selective physiological parameters and artificial culture of selected species by **Dr. Chandra Singh Negi**, Department of Zoology, LSM Govt. Post Graduate College, Pithoragarh, Uttarakhand. (1.4.2016-31.3.2019) [Rs. 19,25,000/-]

*303. A study on some antioxidant and antimicrobial activity bearing aromatic and medicinal plants of North-West Himalaya: their active constituents, activity and impact of environmental factors on their active constituents by **Dr. Girish Chandra Shah**, Department of Chemistry, Kumaun University, S.S.J. Campus, Almora, Uttarakhand. (1.6.2016-31.5.2019) [Rs. 12,99,500/-]

*304. Root-associated ectomycorrhizal fungi of Kashmir Himalayan conifers and effect of *in-vitro* mycorrhization of conifer seedlings on their growth and survival under field conditions by **Prof. Zafar A. Reshi**, Professor, Department of Botany, University of Kashmir, Srinagar, J&K. (1.4.2016-31.3.2019) [Rs. 15,43,500/-]

*305. Sustainable management of land through improved *Albizia procera* plants in mid Himalayan region by **Dr. (Mrs.) Neerja Rana**, Department of Basic Science, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. (19.5.2016-18.5.2019) [Rs. 12,43,000/-]

*306. Organic farming promotion through sensitization, awareness generation and capacity building of farmers for sustainable agro-ecological systems, Improved livelihood for healthier Himalayan region by **Dr. Yasmin Janjhua**, Department of Business Management, Y.S.

Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. (19.5.2016-18.5.2019) [Rs. 10,89,000/-]

*307. Vulnerability of disturbances, resource mapping & ex-situ conservation of endemic & relict species *Betula utilis* D.Don (Himalayan birch) in Sindh forest division of Kashmir by **Dr. P.A.Sofi**, Faculty of Forestry, SKUAST of Kashmir, Benhama, Ganderbal, J&K. (11.5.2016-10.5.2019) [Rs. 12,81,500/-]

*308. Microbial keratinases – An economic, ecofriendly and innovative approach for waste management by **Dr. Sunita Devi**, Department of Basic Science, College of Forestry, Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan, H.P. (19.5.2016-18.5.2019) [Rs. 19,68,560/-]

*309. Diversity and conservation of wild edible and medicinal mushrooms of Uttarakhand Himalaya by **Dr. Rajendra Prasad Bhatt**, Department of Botany & Microbiology, H.N.B. Garhwal University, Srinagar, Uttarakhand. (1.9.2016-31.8.2019) [Rs. 13,20,000/-]

*310. Biodiversity, habitat association and GIS mapping of Noctuid moths Noctuidae: Lepidoptera of Chirpine forest of Jammu Province (Jammu & Kashmir) India by **Dr. Pawan Kumar**, Forest Protection Division, Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla, H.P. (1.4.2016-31.3.2019) [Rs. 12,50,000/-]

*311. Conservation of *Pinus gerardiana* through mycorrhizal biotechnology by **Dr. Ashwani Tapwal**, Forest Protection Division, Himalayan Forest Research Institute, Conifer Campus, Panthaghati, Shimla, H.P. (1.4.2016-31.3.2019) [Rs. 16,84,000/-]

*312. Supplementary livelihood options through utilization of wild apricot fruit pulp and oil and conservation of Apricot through mass propagation at and around Uttarkashi by **Dr. Arun K. Agrawal**, Govt. P.G. College, Uttarkashi, Uttarakhand. (1.5.2016-30.4.2019) [Rs. 14,55,000/-]

*313. Conservation and management of biodiversity for the Darjeeling Himalaya by **Dr. Gambir Singh Yonzon**, Darjeeling Society of Education, Research and Development, 3B Kutchery Road, Darjeeling, West Bengal. (1.4.2016-31.3.2019) [Rs. 11,20,000/-]

*314. Temperate mushrooms cultivation for livelihood development and natural resources conservation in the selected Panchayats of Mandi district in Himachal Pradesh by **Dr. Maninder Jeet Kaur**, Himalayan Research Group (HRG) Shimla, Umesh Bhavan, Chotta Shimla, H.P. (1.6.2016-31.5.2019) [Rs. 14,59,500/-]

*315. Selection and genetic improvement of Wild Pomegranate (*Punica granatum*) – a commercially an ecologically important species of mid-hill regions of Himachal Pradesh by **Dr.(Mrs.) Tara Gupta**, Department of Tree Improvement & Genetic Resources, College of Forestry, Dr. Y.S. Parmar University of Horticulture & Forestry, Nauni, Solan, H.P. (6.6.2016-5.6.2019) [Rs. 11,60,500/-]

*316. Education on water conservation, water quality and health hygiene by **Dr. Bhavtosh Sharma**, Uttarakhand Science Education & Research Centre (USERC), 33 Vasant Vihar, Phase -2, Dehradun, Uttarakhand. (20.08.2016-19.02.2020) [Rs. 5,96,000/-] **Extended**

317. Cultivation of organic agriculture and vegetable for livelihood improvement in the Himalayan region by **Mr. B.C. Pandey**, Parvatiya Vikas Evam Shodh Samiti (PVSS), Bageshwar, Uttarakhand. (1.4.2016-31.3.2019) [Rs. 6,64,650/-]

*318. Ecological, taxonomical and ethnobotanical study of wild edible plants of Nainital district in Uttarakhand, India by **Dr. Lalit M. Tewari**, Department of Botany, DSB Campus, Kumaun University, Nainital, Uttarakhand. (1.4.2016-31.3.2019) [Rs. 13,65,000/-]

319. Plant traits, soil microbial properties and ecosystem services in agroforestry systems in Garhwal Himalaya by **Prof. Kusum Arunachalam**, Department of Environment & Natural Resource, Doon University, Kedarpur, Dehradun, Uttarakhand. (1.12.2016-30.11.2019) [Rs. 19,68,560/-]

320. Income generation programme (IGP) for rural women through high valued medicinal plants cultivation in higher altitude villages particularly in flood affected areas of Uttarakhand by **Mr. M. S. Negi**, Human India, Srikot, Sringer, Pauri Garhwal, Uttarakhand. (1.5.2016-30.4.2019) [Rs. 14,09,100/-]

321. Survey and validation studies on local food and medicinal bioresources of Kameng and Tawang districts of Arunachal Pradesh for supplementary rural livelihood security by **Dr. Pallabi Kalita Hui**, Department of Biotechnology and Chemical Engineering, National Institute of Technology (NIT), Yupia, Papum Pare, Arunachal Pradesh. (1.4.2016-31.3.2019) [Rs. 16,06,000/-]

322. Impact of hypolimnetic aeration on ecology of Naukuchiyatal lake, Kumaun Himalaya by **Dr. P.K. Gupta**, Deptt of Zoology, DSB Campus, Kumaun University, Nainital, Uttarakhand. (19.5.2016-18.5.2019) [Rs. 14,71,250/-]

323. Kaushal vikas va takneeki hastantaran dwara gramino ko pashupalan ke liye protsahit kar swarojgar ko badhawa dena by **Mr. R.S Kanwal**, Parvaris Samajik Kalyan Samiti, NTD, Almora, Uttarakhand. (1.8.2016-31.7.2019) [Rs. 7,98,000/-]

*324. Physicochemical and microbiological assessment of some selected water springs of central Himalayan region by **Dr. Gopal Krishna Joshi**, Deptt. of Zoology and Biotechnology, HNB Garhwal University, Srinagar, Uttarakhand. (19.4.2016-18.4.2019) [Rs. 14,63,000/-]

325. Soil nutrient pool and microbial studies under different forest types in Uttarakhand Himalayas for sustainable management by **Dr. Brij Mohan Dimri**, Scientist 'D', Department of Forest Soil and Land Reclamation Division, New Forest Research Institute, Dehradun, Uttarakhand. (1.4.2017-31.3.2020) [Rs. 13,42,000/-]

326. A sustainable approach for cleanup of metal polluted soils using basil species with respect to their genetic diversity by **Dr. Chitra Pande**, Professor, department of Chemistry, DSB Campus, Kumaun University, Nainital, Uttarakhand. (1.4.2017-31.3.2020) [Rs. 9,95,500/-].

*327. Documentation, nutrient analysis and cultivation of wild edible mushrooms of Nagaland by **Dr. Talijungla**, Associate Professor & Head, Department of Botany. Nagaland University, Lumami, Nagaland. (1.4.2017-31.3.2020) [Rs. 13,42,000/-]

- *328. Impact of changing climatic pattern in a part of Uttarakhand with specific reference to landslides in Garhwal region by **Dr. Kishor Kumar**, Chief Scientist, Geotechnical Engineering Division, CSIR-Central Road Research Institute, Delhi-Mathura Road, New Delhi - 110025. (31.3.2017-30.3.2020) [Rs. 19,66,800/-]
- *329. Fire adaptational features of important tree species of Himalayas and strengthening community participation in preventing forest fire by **Dr. Pankaj Tewari**, CHEA, Waldrof Compound, Mallital, Nainital, Uttarakhand. (1.5.2017-30.4.2020) [Rs. 12,59,500/-].
330. Building capacities of farmers for soil health management against changing climate conditions at rawain region of district Uttarkashi by **Mr. Mahendra Singh Kunwar**, HARC, Indira Nagar, Dehradun. (1.4.2017-31.3.2020) [Rs. 14,30,000/-]
331. Binsar abhyaranya main jaiv vividhata sanrakshan ke liye jansahbhagita evam samipvarti gaun main satat gramin vikas hetu prodyogiki pradarshan evam prasar pariyojana by **Mr. Ishwari Dutt Joshi**, Lok Prabandh Vikas Sanstha, Sunoli, Almora, Uttarakhand. (1.4.2017-31.3.2020) [Rs. 8,00,000/-].
- *332. Exploring documenting and conserving the secondary fungal diversity associated with unexplored niche (i.e. Lichens) in Uttarakhand with special reference to Kumaun Himalaya by **Dr. Yogesh Joshi**, Assistant Professor, Department of Botany, SSJ Campus, Almora, Uttarakhand. (1.4.2017-31.3.2018) [Rs. 5,06,200/-].
333. Sustainable community-based management of minor forest products (MFP) to enhance local livelihoods in western Arunachal Pradesh, India by **Dr. Pijush Kumar Dutta**, WWF-India, Game village, Vasistha, Guwahati, Assam. (1.5.2017-30.4.2020)[Rs. 14,57,500/-].
- *334. Livelihood enhancement through integration of mushroom cultivation and dairy farming in Jaunpur block, Tehri district, Uttarakhand by **Ms. Upasana Joshi**, Center for business and entrepreneurial development, 195/1, Vasant vihar, Phase-2, Dehradun, Uttarakhand. (1.4.2017-31.3.2020) [Rs. 9,55,500/-]
335. Seed dispersal and seed persistence potential of alpine plants – A case study of Tungnath Timberline by **Dr. Shyam Singh Phartyal**, Assistant Professor, Department of forestry & NR, HNBGU, Chauras Campus, Kilkileshwar, Tehri Garhwal, Uttarakhand. (1.6.2017-31.5.2020) [Rs. 14,00,000/-].
- *336. Study on some important agriculture crops as affected by multipurpose trees on their yield and soil conservation for jhum rehabilitation in Mizoram, NE India by **Dr. Tawnenga**, Department of Botany, Panhhunga University College, Aizawl, Mizoram. (1.4.2018-31.3.2021) [Rs. 9,92,040/-].
- *337. Climate Variability and its impact on agrobiodiversity and livelihood security in traditional farming of the Sikkim Himalaya by **Professor S.C. Rai**, Department of Geography, Delhi School of Economics, University of Delhi, Delhi. (1.4.2018-31.3.2022) [Rs.14,45,280/-].

*338. Capacity building and awareness programmes on conservation of yaks in the State of Arunachal Pradesh by **Dr. Sourabh Deori**, ICAR-National Research Centre on Yak, Dirang, West Kameng District, Arunachal Pradesh. (1.4.2018-31.3.2020) [Rs. 8,38,000/-].

339. Study of diversity of rice in Karbialong district of Assam: Implication for biodiversity conservation under changed climate condition by **Dr. Ranjan Das**, Department of Crop Physiology, Assam Agriculture University, Jorhat, Assam. (1.8.2019-31.7.2021) [Rs. 11,88,000/-].

* FTR Received