

## List of On-Going Projects (2009-2010)

Proj	Code	Title of the Project	PI	Funding Agency	Start date	Completion date	Total Cost (Lakhs)
MLP	0006	Rural school health education program: Integrating with diverse inputs- Reaching the unreached	Dr. A.K.S. Rawat	CSIR	Mar-08	Feb-12	25.060
NWP	003	Transgenic crop plant and genes for resistance to insect pests	Dr. D.V. Amla	CSIR	Apr-07	Mar-12	775.00
RSP	0031	Rural development programmes: (i) Sustainable development and utilization of sodic wastelands, adopting green technologies, using schools as knowledge dissemination centres (ii) Dissemination of dry flower/cut flower technologies and (iii) Remediation of	Dr. S.K. Tewari	CSIR	Apr-07	Mar-12	350.000
SIP	005	Biodiversity assessment, prospection and conservation of plant resources of India	Dr. K.N. Nair	CSIR	Apr-07	Mar-12	1729.000
NWP	006	Exploitation of India's rich microbial diversity	Dr. C.S. Nautiyal	CSIR	Apr-07	Mar-12	150.000
NWP	008	Pathway engineering and system biology approach towards homologous and heterologous expression of high value phytoceuticals (artemisinin, picrosides, morphine, withanolides podophyllotoxin)	Dr. P.K. Trivedi	CSIR	Apr-07	Mar-12	271.000
SIP	009	Enhancing water utilization efficiency in crop plants: prospecting plant diversity for genes and systems biology for drought tolerance	Dr. U.V. Pathre	CSIR	Apr-07	Mar-12	1000.00
NWP	017	Environmental contaminants - New screening technologies and effect on human health	Dr. R.D. Tripathi	CSIR	Apr-07	Mar-12	227.000
NWP	019	Remediation, eco-restoration & clean-up of contaminated ground and water resources	Dr. R.D. Tripathi	CSIR	Apr-07	Mar-12	345.000
NWP	020	Exploratory studies on climate change and adaptation of species complexes	Dr. Soumit K. Behera	CSIR	Apr-08	Mar-12	601.00

NWP	037	Discovery and preclinical studies of new bioactive molecules (natural and semi-synthetic) & traditional preparations	Dr. A.K.S. Rawat	CSIR	Apr-08	Mar-12	6.00
NWP	045	Advancement in Metrology	Dr. Alok Lehri	CSIR	Apr-08	Mar-12	15.000
GAP	2146	Studies on Bryophyte diversity in Pachmarhi Biosphere Reserve and their conservation strategies	Dr. Virendra Nath	MEn&F, New Delhi	Oct-05	Sep-09	10.800
GAP	2150	Molecular systematics of the genus sapindus L. (Sapindaceae) in India using PCR based techniques	Dr. T.S. Rana	DST, New Delhi	Dec-06	Nov-09	17.520
GAP	2151	Studies on diversity and distribution of pteridophytic flora of Pachmarhi Biosphere Reserve	Dr. P.B. Khare	MnE&F, New Delhi	Apr-08	Mar-11	13.338
GAP	2152	Lichen diversity of Rewa and adjacent areas of Vindhyanchal in relation to biomonitoring studies	Dr. D.K. Upreti	MP State Biodiversity Board, Bhopal	Oct-08	Sep-10	5.968
GAP	2153	Assessment of bryodiversity in Meghalaya and Manipur (North Eastern Hills)	Dr. Virendra Nath	MnE&F, New Delhi	Jan-09	Dec-11	25.826
GAP	2223	Analysis of ecological implications of invasion by alien plant species with particular reference to biodiversity and ecosystem processes	Dr. K. Kulshreshtha/ Prof. R.S. Tripathi	INSA, New Delhi	Feb-05	Jan-10	7.25
GAP	2230	Employment generation among rural/urban women through commercial floriculture using classical and modern method	Dr. B.K. Banerji	DST, New Delhi	Oct-07	Sep-09	10.34
GAP	2231	Genetic improvement of Canna by induced mutation and development of core collections	Dr. R.K. Roy	DAE, BRNS, Mumbai	Dec-07	Nov-10	9.11675
GAP	2234	Training on commercial floriculture	Dr. B.K. Banerji	Deptt. Of Horticulture & Food Processing, U.P., Lucknow	Jan-09	Oct-09	1.800
GAP	2235	Preparation and publication of educational material on Cycads for the motivation of student with a bright spark in plant science teaching/research	Dr. J.K. Johri	DST, New Delhi	Mar-09	Feb-10	2.300

GAP	2236	Commercial cultivation of ornamentals and post harvest management	Dr. B.K. Banerji	Deptt. Of Horticulture & Food Processing, U.P., Lucknow	Mar-09	Jun-09	0.500
GAP	2311	Biotechnological investigations for cloning and improvement of <i>Jatropha curcas</i> – An energy plant	Dr. A.K. Sharma	UPCST, Lucknow	Mar-07	Jun-09	3.120
GAP	2445	Identification and role of ethylene response factors in ethylene signaling in tomato	Dr. Anirudh P. Sane	DBT, New Delhi	Feb-05	Dec-09	36.17
CLP	2448	Collaborative research between NBRI, NAU and GSSC for the development of insect resistant transgenic cotton.	Dr. Rakesh Tuli	NAU, Gujarat	Jul-05	Jun-10	50.000
GAP	2449	Genomics and biotechnology of fruit quality	Dr. P. Nath	Indo-French Centre for Promotion of Advance Research, New Delhi	Oct-05	Oct-09	32.120
GAP	2451	Development of universal vector for developing male sterile lines for improvement of crop varieties using hybrid vigor	Dr. Samir V. Sawant	DBT, New Delhi	Jun-06	May-09	27.000
GAP	2452	Evolution of the polygalacturonase gene family Arabidopsis: have tandem duplicated genes diverged during evolution	Dr. P. Nath/ Dr. Mehar Hassan Asif	DST, New Delhi	Jun-06	May-09	4.930
GAP	2453	Identification and characterization of novel anti-viral compounds from medicinal plants: A step towards the development of microbicides and national facility of screening of promising microbicides	Dr. Rakesh Tuli	DBT, New Delhi	Nov-06	Feb-10	54.880
GAP	2454	Bt-gene stacking and gene targeting in brinjal for resistance to shoot and fruit borer	Dr. P.K. Singh	DBT, New Delhi	Jan-07	Dec-09	46.510
GAP	2455	Peach decline disease: development of molecular diagnostics for management of disease	Dr. Aminuddin	DBT, New Delhi	Feb-07	Jan-10	19.430
GAP	2457	Regulation of gene expression in plants (JC Bose fellowship)	Dr. Rakesh Tuli	DST, New Delhi	Jul-07	Jun-12	40.000
GAP	2459	Generation of a seed specific EST library in <i>Jatropha</i> and identification of genes for oil biosynthesis pathway	Dr. Vidhu A. Sane	DBT, New Delhi	Oct-07	Sep-10	22.15

GAP	2460	Functional analysis of novel petal abscission and senescence related genes from Rose and Gladioli	Dr. Anirudh P. Sane	DBT, New Delhi	Oct-07	Sep-10	33.28
GAP	2461	Quality control and training on biofertilizers and efficient utilization of microbes at village level	Dr. C.S. Nautiyal	Deptt. of Agri, UP., Lucknow	Dec-07	Mar-10	27.60
GAP	2462	DNA Barcoding in Indian Taxa of Berberis L. (Berberidaceae)	Dr. Rakesh Tuli	DBT, New Delhi	Apr-07	Mar-10	61.820
GAP	2539	Production and demonstration of high quality planting material of Jatropha Curcas	Dr. Nandita Singh	DBT, New Delhi	Feb-05	Aug-09	78.42
GAP	2542	Establishment of ENVIS center on Indicator of Plant Pollution in NBRI under EMCBTA project	Dr. Nandita Singh	MEn&F, New Delhi	Jan-03	Mar-10	35.051
GAP	2548	Attenuation of methane emission from paddy fields	Dr. S.N. Singh/ Dr. Larisha Tyagi	DST, New Delhi	Jul-06	Jun-09	11.910
GAP	2549	Optimization of waste utilization for viable product development	Dr. Pankaj Kr. Srivastava	DST, New Delhi	Sep-06	Aug-09	4.800
GAP	2550	Chromium phytoremediation through high biomass-algal strains: role of antioxidants and chromate detoxifying system/binding legends	Dr. R.D. Tripathi/ Dr. Sanjay K. Dwivedi	DST, New Delhi	Sep-06	Aug-09	14.160
GAP	2551	Study on impact of fly-ash on crops in the vicinity of Kahalgaon STPP, NTPC	Dr. Nandita Singh	NTPC, Kahalgaon, Bihar	Sep-06	Feb-10	14.722
GAP	2552	Microbial diversity and biotechnological prospects of cold adapted microorganisms of Gangotri glacier, Garhwal Himalaya, India	Dr. R.D. Tripathi/ Dr. Vinay Singh Baghel	DST, New Delhi	Jan-07	Dec-09	12.120
GAP	2619	Breeding and development of varieties for specific alkaloids in Opium Poppy ( <i>Papaver somniferum</i> L.) and cultivation in Climate Control Chamber	Dr. Sudhir Shukla	MoF	Apr-06	Mar-10	179.660
GAP	2620	Studies on synergistic effect of Trichoderma on legume-rhizobium symbiosis and development of a mixed formulation of Trichoderma and Rhizobium	Dr. Poonam C. Singh	DST, New Delhi	Oct-07	Sep-10	3.73
GAP	2740	Development of some value added IPR protected herbal products from <i>Boenninghausenia albiflora</i> (Pissubuti)	Dr. Sharad Kr. Srivastava	DST, New Delhi	May-06	Apr-09	2.220

GAP	2741	Golden Triangle Partnership (GTP) scheme for validation of traditional Ayurvedic drugs and development of new drugs	Dr. A.K.S. Rawat	Deptt. of AYUSH through CSIR	Jul-06	Mar-10	10.00
GAP	2745	Identification of potential antimutagenic phytochemicals from weeds and agri-wastes	Dr. Ch.V. Rao	UPCST, Lucknow	Jul-07	Jun-10	4.800
GAP	2746	Screening of herbal drugs used in treatment of hepato cellular carcinoma	Dr. Ch.V. Rao	DST, New Delhi	Jan-08	Dec-10	22.880
GAP	2747	Studies on relationship between ecogeography of the chemotypic variation of nine important but highly threatened medicinal plant species and prospects of their cultivation	Dr. A.K.S. Rawat	ICAR, New Delhi	Jul-08	Mar-12	203.1138
GAP	2748	Study of herbal acaricides as means to overcome the development of resistance in ticks to conventional acaricides	Dr. A.K.S. Rawat	ICAR, New Delhi	Jul-08	Mar-12	86.32
GAP	2749	Role of selected flavonoids on gastroesophageal reflux disease (GERD) and gastric ulcer in rats	Dr. Ch.V. Rao	ICMR, New Delhi	Jan-09	Dec-09	7.637
GAP	2750	Identification and biological studies of potential bioactive constituents from important medicinal plants (Aegle marmelos) used in gastrointestinal disorders and their geographical variations in chemical markers	Dr. Ch.V. Rao	NMPB, MH&FW, New Delhi	Jan-09	Dec-10	22.000
GAP	2751	Identification of substitutes for traded drug chirayata (Swertia species) using pharmacognostical parameters	Dr. A.K.S. Rawat	NMPB, MH&FW, New Delhi	Jan-09	Dec-11	35.000
GAP	2752	Re-orientation training programme (RoTP) in quality assurance of herbal for teachers/ paramedics of AYUSH	Dr. S. Khatoon	Rashtriya Ayurved Vidyapeeth, Deptt. of AYUSH, New Delhi	Apr-09	Mar-10	3.593
GAP	2803	Establishment of bioinformatics infrastructure facility at NBRI	Dr. S. Kumar	DBT, New Delhi	Apr-97	Mar-10	77.280
GAP	2807	Indian Botanic Garden Network: Developing web base software tools for digitization and identification of RET species and varieties	Dr. S. Kumar	MC&IT, New Delhi	Jun-07	May-10	123.32

CNP	3036	Consultancy for Molecular Biology at JISL	Dr. Anirudh P. Sane	Jain Irrigation Systems Limited, Jalgaon	Jun-08	Oct-11	2.00
CNP	3037	Consultancy work for environment impact study of Dhubhi Ghat improvement project	Dr. Nandita Singh	Tetra Tech India Ltd., New Delhi	Dec-08	Jun-10	3.685
GAP	3212	Cultivation, post haresting and value addition of medicinal plants for income generation and health protection by rural women of weaker sections	Dr. S.K. Tewari	DST, New Delhi	May-06	Apr-09	13.740
SSP	3213	Development of cultivation protocol of Homoeopathic herbs, their cultivation at NBRI Farm site and supply to SBL Pvt. Ltd.	Dr. S.K. Tewari	SBL Pvt. Ltd., Gaziabad	Jun-07	May-10	3.367
SSP	3214	Pilot scale assessment of short term agronomic protocol for cultivation of <i>Asparagus racemosus</i>	Dr. S.K. Tewari	Dabur Research Foundation, Ghaziabad	Oct-07	Sep-10	4.40
TLP	4007	Genetic improvement of <i>Jatropha curcas</i> for drought tolerance and oil yield	Dr. Rakesh Tuli	CSIR Under NMITLI	Jul-05	Jun-10	172.56
TLP	4009	Development of high throughout marker assisted selection systems for improvement of drought tolerance and fibre quality related traits in cotton	Dr. Samir V. Sawant	CSIR Under NMITLI	Apr-07	Mar-12	496.500
TLP	4010	Novel approaches for production of hybrid seeds with characteristics of improved insect resistance and higher yield - Cotton Component	Dr. Rakesh Tuli	CSIR Under NMITLI	Mar-08	Feb-11	254.200