

# List of On-Going Projects(2010-11)

SN	Project	Code	Title of the Project	PI	Funding Agency	Start date	Completion date	Total Cost (Lakhs)
1	NWP	003	Transgenic crop plant and genes for resistance to insect pests	Dr. D.V. Amla	CSIR	Apr-07	Mar-12	775.00
2	NWP	006	Exploitation of India's rich microbial diversity	Dr. C.S. Nautiyal	CSIR	Apr-07	Mar-12	150.000
3	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
4	NWP	017	Environmental contaminants - New screening technologies and effect on human health	Dr. R.D. Tripathi	CSIR	Apr-07	Mar-12	227.000
5	NWP	019	Remediation, eco-restoration & clean-up of contaminated ground and water resources	Dr. R.D. Tripathi	CSIR	Apr-07	Mar-12	345.000
6	NWP	020	Exploratory studies on climate change and adaptation of species complexes	Dr. Soumit K. Behera	CSIR	Apr-08	Mar-12	601.00
7	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	12.00
8	NWP	040	Comprehensive Traditional Knowledge Digital Library	Dr. Tariq Hussain	CSIR	Nov-09	Mar-12	91.520
9	NWP	045	Advancement in Metrology	Dr. Alok Lehri	CSIR	Apr-08	Mar-12	15.000
10	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
11	SIP	005	Biodiversity assessment, prospection and conservation of plant resources of India	Dr. K.N. Nair	CSIR	Apr-07	Mar-12	1729.000
12	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
13	TLP	4007	Genetic improvement of Jatropha curcas for drought tolerance and oil yield	Dr. Uday Pathre	CSIR Under NMITLI	Jul-05	Jun-10	172.56

14	TLP	4009	Development of high throughput 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
15	TLP	4010	Novel approaches for production of hybrid seeds with characteristics of improved insect resistance and higher yield - Cotton Component	Dr. P.K. Singh	CSIR Under NMITLI	Mar-08	Feb-11	254.200
16	TLP	4011	Leads based drug development and genetic improvement of Ashwagandha ( <i>Withania somnifera</i> )	Dr. P.K. Trivedi	CSIR Under NMITLI	Apr-10	Mar-13	126.500
17	CLP	2448	Collaborative research between NBRI, NAU and GSSC for the development of insect resistant transgenic cotton.	Dr. P.K. Singh	NAU, Gujarat	Jul-05	Jun-10	50.000
18	GAP	2151	Studies on diversity and distribution of pteridophytic flora of Pachmarhi Biosphere Reserve	Dr. P.B. Khare	MEn&F, New Delhi	Apr-08	Mar-11	17.129
19	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
20	GAP	2153	Assessment of bryodiversity in Meghalaya and Manipur (North Eastern Hills)	Dr. A.K. Asthana	MEn&F, New Delhi	Jan-09	Dec-11	25.826
21	GAP	2154	Pilot scale demonstration of algal oil production up to 100 liters per month	Dr. M.R. Suseela	DBT, New Delhi	Sep-09	Aug-11	64.010
22	GAP	2155	Studies on the Pteridophytic diversity and assessment of species richness along elevation gradient in Itanagar Wildlife Sanctuary with special reference to economic exploitation and conservation	Dr. P.B. Khare/Dr. Vineet Kumar Rawat	DST, New Delhi	Oct-09	Sep-12	13.26
23	GAP	2156	Screening of potential dye yielding Indian Lichens and their mycobiont culture	Dr. D.K. Upreti	DST, New Delhi	Dec-09	Nov-12	16.840
24	GAP	2206	All India co-ordinated floriculture improvement project	Dr. B.K. Banerji	ICAR, New Delhi	Apr-99	Mar-11	5.189
25	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
26	GAP	2237	Improvement of infrastructural facilities in NBRI Botanic Garden to promote conservation of indigenous particularly Rare Endangered and Threatened (RET) plant species and development of the Garden of the Institute as Lead Garden	Dr. A.K. Goel	MEn&F, New Delhi	Nov-09	Oct-12	41.94

27	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	Dec-12	80.42
28	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. S. Malhotra	DBT, New Delhi	Nov-06	Sep-11	54.880
29	GAP	2457	Regulation of gene expression in plants (JC Bose fellowship)	Dr. Rakesh Tuli	DST, New Delhi	Jul-07	Jun-12	40.000
30	GAP	2459	Generation of a seed specific EST library in Jatropha and identification of genes for oil biosynthesis pathway	Dr. Vidhu A. Sane	DBT, New Delhi	Oct-07	Sep-10	22.15
31	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
32	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	Sep-10	77.60
33	GAP	2539	Production and demonstration of high quality planting material of Jatropha Curcas	Dr. Nandita Singh	DBT, New Delhi	Feb-05	Aug-10	79.44
34	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-11	35.051
35	GAP	2554	Multilocational trail of Jatropha curcas in different agroclimatic zones and study of Agronomic practices	Dr. Nandita Singh	DBT, New Delhi	Aug-09	Jul-12	31.27
36	GAP	2556	Plant based management of Ganga water pollution: Plantation along the banks and development of constructed wetlands for sewage treatment in cities on the bank of river	Dr. U.N. Rai	NRCD, Mn&EF, New Delhi	Nov-09	Oct-12	51.959
37	GAP	2619	Breeding and development of varieties for specific alkaloids in Opium Poppy (Papaver somniferum L.) and cultivation in Climate Control Chamber	Dr. Sudhir Shukla	MoF	Apr-06	Mar-11	179.660
38	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
39	GAP	2745	Identification of potential antimutagenic phytochemicals from weeds and agri-wastes	Dr. Ch.V. Rao	UPCST, Lucknow	Jul-07	Jun-10	4.800

40	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
41	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
42	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
43	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-10	7.637
44	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
45	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
46	GAP	2753	Novel approaches for production of nutraceuticals from milk and Indian herbs for potential use in functional dairy foods	Dr. Shubha Rastogi	ICAR under NAIP, New Delhi	Sep-09	Aug-12	69.320
47	GAP	2754	Preparation and supply of Botanical Reference Substances (BRS) to Indian Pharmacopoeia Commission (IPC), New Delhi	Dr. A.K.S. Rawat	IPC, MH&FW, New Delhi	Nov-09	Oct-10	5.587
48	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
49	GAP	3215	Organizing workshop for diversification of floricultural activities in Uttar Pradesh	Dr. S.K. Tewari	UPDASP, Lucknow	Apr-10	Jul-10	1.000
50	GAP	3216	Establishment of small nursery for fast multiplication of elite clones and new varieties of medicinal and aromatic, gum and dye yielding plants	Dr. S.K. Tewari	UPCAR, Lucknow	Apr-10	Mar-11	3.000
51	GAP	3217	Establishment of model nursery for fast multiplication of elite clones and new varieties of ornamental flowering plants	Dr. R.S. Katiyar	UPCAR, Lucknow	Apr-10	Mar-11	18.000

52	SSP	2557	Optimization of process parameters for extraction of aromatic plants of North Eastern region using super critical carbon di oxide extraction process	Dr. Alok Lehri	FFDC, Kannauj	Mar-10	Feb-11	3.000
53	SSP	2901	Technical services for documentation and advice for calibration of equipments & glasswares for NABL accreditation of MGIRI, Wardha	Dr. Alok Lehri	MGIRI, Wardha	Apr-10	Mar-11	0.664
54	SSP	2902	Technical services for advice in proficiency testing and measurement and uncertainty for NABL accreditation of MGIRI, Wardha	Dr. Alok Lehri	MGIRI, Wardha	Apr-10	Mar-11	0.587
55	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
56	SSP	3214	Pilot scale assessment of short term agronomic protocol for cultivation of Asparagus racemosus	Dr. S.K. Tewari	Dabur Research Foundation, Ghaziabad	Oct-07	Sep-10	4.40
57	CNP	3036	Consultancy for Molecular Biology at JISL	Dr. Anirudh P. Sane	Jain Irrigation Systems Limited, Jalgaon	Jun-08	Oct-11	2.00
58	CNP	3037	Consultancy work for environment impact study of Dhobhi Ghat improvement project	Dr. Nandita Singh	Tetra Tech India Ltd., New Delhi	Dec-08	Jun-10	3.685
59	MLP	0006	Rural school health education programme: Integrating with diverse inputs- Reaching the unreached	Dr. A.K.S. Rawat	CSIR	Mar-08	Feb-12	25.060