

List of schemes/ projects/ programme underway as on November 01, 2020

S.N.	Project Code	Project title	Funding Agency	Start Date	Completion Date
CSIR Funded Projects					
1	MLP 0027	Characterization and value addition of plant-based resins, gums and waxes	CSIR	16-Nov-18	31-Mar-23
2	MLP 0029	Pahtway elucidation and identification of genes involved in guggulsterones biosynthesis in <i>commiphora</i> sps	CSIR	16-Nov-18	31-Mar-23
3	MLP 0030	Sub-genome dominance in endoreduplication and its implication in heterotic benefits to F1-hybrids for biomass and their adaptation	CSIR	16-Nov-18	31-Mar-23
4	MLP 0033	A novel herbal product for Vulvovaginal candidiasis	CSIR	15-Jul-20	31-Mar-22
5	MLP 0034	Testing of COVID-19	CSIR	29-May-20	31-Mar-21
6	MLP 0035	Unravelling molecular details of drought tolerance in cotton	CSIR	13-Jul-20	31-Mar-23
7	MLP 0036	Epigenetic modifications in Rhizoctoniasolani during interaction with Bacillus amyloliquefaciens and its implication for biotic stress management in rice	CSIR	13-Jul-20	31-Mar-23
8	MLP 0037	Regulation of pectin methylesterase inhibitor for enhancing plant-generated methanol for broad spectrum insect resistance	CSIR	13-Jul-20	31-Mar-23
9	MLP 0038	Deciphering the role of sRNA during synergistic interaction between to Trichoderma spp.	CSIR	13-Jul-20	31-Mar-23
10	MLP 0039	Fe and Zn bio-fortification in rich through integrated microbial and soil nitrogen management in crop field	CSIR	13-Jul-20	31-Mar-23
11	MLP 0040	Arsenic (As) risk assessment in vegetable crops in arsenic affected areas and mitigation through microbial consortia containing AsMT activity	CSIR	13-Jul-20	31-Mar-23
12	MLP 0041	Conservation of threatened plant species of India	CSIR	13-Jul-20	31-Mar-23
13	MLP 0042	Plant resource mapping of Chambal Ravines	CSIR	13-Jul-20	31-Mar-23
14	MLP 0043	Leveraging genetic resources for accelerated genetic improvement of grain amaranth using genomics and phenotyping approaches	CSIR	13-Jul-20	31-Mar-23
15	MLP 0044	To identify the potential Aloe species for cultivation in salt affected soils	CSIR	13-Jul-20	31-Mar-23

16	MLP 0045	Conservation, Agronomics, Metabolomics and genomics of Indian Lotus (KAMAL)	CSIR	13-Jul-20	31-Mar-23
17	MLP 0046	Targeted metabolite genetics in two underutilized narcotic crops (<i>Cannabis</i> and <i>Opium poppy</i>) for <i>Cannabinoids</i> and <i>Oripavine</i> improvement	CSIR	13-Jul-20	31-Mar-23
18	MLP 0047	Characterization of Boll-Weight (BW) QTL Hotspots for cotton yield improvement	CSIR	13-Jul-20	31-Mar-23
19	MLP 0048	Deciphering the mechanism(s) of host entophytes coevolution enhanced secondary metabolite production and crop productivity	CSIR	15-Jul-20	31-Mar-25
20	MLP 0049	Bio-stimulants for stress amelioration, enhanced plant productivity and soil health	CSIR	22-Jul-20	31-Mar-23
21	MLP 0050	Bioefficacy and toxicity data generation for CIB registration of microbial formulations applicable for the biological control of Fusarium diseases in different crops	CSIR	24-Jul-20	31-Mar-22
22	MLP 0051	Field trial for early maturity of cotton using Anacrdic Acid formulation and CIB registration of the product	CSIR	24-Jul-20	31-Mar-22
23	MLP 0052	Preparation of certified reference materials of important phytomolecules	CSIR	24-Jul-20	31-Mar-22
24	MLP 0053	Development of processes for edible and industrial dyes from plant sources for enhanced income	CSIR	24-Jul-20	31-Mar-22
25	MLP 06	Small RNAs and associated factors for enhanced post-harvest life (sRNA-Life) - Phase II	CSIR	17-Jul-20	31-Mar-23
26	MLP 07	Genome editing for crop improvement (GE Crop)	CSIR	22-Jul-20	31-Mar-23
27	MLP 0208	Synthesis of zeolites from flyash for agriculture applications	CSIR	09-Jul-20	31-Mar-23
28	NWP 0101	CSIR-KVS Scientist Student Connect Programme -JIGYASA	CSIR	25-Feb-19	31-Mar-21
29	OLP 0099	Plant conservation, botanical garden, plant houses and development of new varieties of ornamental and floricultural crops	CSIR-NBRI	01-Apr-17	31-Mar-23
30	OLP 0106	Herbal product development for industrial application	CSIR-NBRI	01-Apr-17	31-Mar-23
31	OLP 0100	Socio-economic development through enhancing production of agricultural systems, skill development and outreach programmes	CSIR-NBRI	01-Apr-17	31-Mar-23
32	OLP 0101	Bio-resource inventory, systematics and conservation of diverse plant groups (Old Tilt: Bioresource	CSIR-NBRI	01-Apr-17	31-Mar-23

		Inventory of Suhelwa Wildlife Sanctuary, (SWLS) Uttar Pradesh)			
33	OLP 0108	Response of plant species to climate change and screening pollution ameliorating plants	CSIR-NBRI	07-Aug-20	31-Mar-23
34	OLP 0109	Endophytes and biostimulants for enhancing crop production	CSIR-NBRI	07-Aug-20	31-Mar-23
35	OLP 0110	Mapping of arsenic pollution & mitigation of arsenic contamination to crops using bioremediation.	CSIR-NBRI	07-Aug-20	31-Mar-23
36	OLP 0111	Microbial enzymes for environment and agriculture	CSIR-NBRI	07-Aug-20	31-Mar-23
37	OLP 0112	Enhancing cotton yield through GM and non-GM approaches	CSIR-NBRI	07-Aug-20	31-Mar-23
38	OLP 0113	Genetic improvement of Hemp (<i>Cannabis sativa</i> L.) for industrial and medicinal purposes through the intervention of conventional and molecular breeding	CSIR-NBRI	07-Aug-20	31-Mar-23
Business Development Projects					
39	CLP 2905	Development and Promotion of non-POPs alternatives to DDT, CSIR-NBRI Component: Propagation of new dwarf cultivars of neem with early maturity and higher limonoids yield	UNIDO, Vienna, Austria	16-Nov-18	15-Jul-22
40	GAP 2239	Establishment of a DUS Test Centre at CSIR-NBRI, Lucknow for Bougainvillea, Canna and Gladiolus crops.	PPV&FRA, Min. Agr.	01-Feb-12	31-Mar-21
41	GAP 2542	Establishment of ENVIS center on Indicator of Plant Pollution in NBRI	MEn&F, New Delhi	01-Jan-03	31-Mar-21
42	GAP 3351	Tomato Ripening Network CSIR-NBRI Component: Targeted manipulation of SIERF6 and SIERF8 in tomato: their role in regulating fruit ripening and productivity	DBT, New Delhi	14-Jan-15	13-Jan-21
43	GAP 3386	Chemotyping and molecular profiling of bioactive metabolites in <i>Hemidesmus indicus</i> and <i>Costus speciosus</i> , adapted to different phytogeographical zones and identification of candidate genes related to metabolic pathways	NASF, ICAR, New Delhi	01-Jan-17	31-Dec-20
44	GAP 3400	Secondary plant product pathway engineering for enhanced nutritional quality and yield	DBT, New Delhi	24-Mar-17	23-Mar-22
45	GAP 3401	Combining Proteomics and Transcriptome sequencing to identify putative RNAi targets for mealybug (<i>Phenacoccus solenopsis</i>) and their functional validation	SERB, New Delhi	20-Mar-17	19-Mar-21
46	GAP 3403	Molecular Systematics of the Genus <i>Betula</i> L. (Betulaceae) in India	SERB, New Delhi	17-Mar-17	16-Mar-21

47	GAP 3407	In vitro studies on reproductive behaviour, regeneration and conservation of Threatened and Economically important Pteridophytes of Niyamgiri Hill, Odisha	SERB, New Delhi	11-May-17	10-May-21
48	GAP 3416	Revisionary studies on lichen genera <i>Buellia sensu lato</i> and <i>Rinodina</i> (Caliciales) from India	SERB, New Delhi	12-Sep-17	11-Mar-21
49	GAP 3418	Epigenetical effect of <i>Arabidopsis thaliana</i> of West Himalayan populations in response to elevated CO ₂ for adaptive advantage	SERB, New Delhi	28-Sep-17	27-Mar-21
50	GAP 3420	Monitoring and Assessment of Arsenic Pollution in Arsenic Prone Districts of Uttar Pradesh	Directorate of Agriculture, Govt. of UP	17-Nov-17	30-Sep-21
51	GAP 3424	Identification of elite chemotype of <i>Plumbago zeylanica</i> Linn. Collected from different phyto-geographical zones of India and evaluation of biological potential of elite germplasm	DST, New Delhi	05-Dec-17	04-Dec-20
52	GAP 3425	Unraveling the role of plant growth promoting rhizobacteria-responsive microRNA(s) in <i>Arabidopsis</i>	INSA, New Delhi	22-Dec-17	21-Dec-20
53	GAP 3427	Identification of targets of the cotton GhNAC2 involved in root growth and abiotic stress tolerance	SERB, New Delhi	17-Mar-18	16-Mar-21
54	GAP 3428	Adaptation strategies of rice varieties of Indo-Gangetic Plains to climate change	DST, New Delhi	16-Mar-18	15-Mar-21
55	GAP 3430	A combining approach of GBS and ECOTILLING based GWAS study for expediting trait-associated genes/QTLs/molecular tags for thebaine content in Opium Poppy	SERB, New Delhi	17-Mar-18	16-Mar-21
56	GAP 3431	Bio-resource and sustainable livelihoods in North East India: Component 2 & Sub-project 3 "Integrative taxonomic analysis for assessment of diversity and phylogenetic relationships among <i>Quercus</i> and <i>Citrus</i> from Northeast Region"	DBT, New Delhi	29-Mar-18	28-Mar-21
57	GAP 3432	Evaluation of seasonal effect on anti-hypertensive in dole alkaloid of <i>Rauvolfia</i> sp. From Northern India and development & validation of physicochemical and molecular markers	UPCST, Lucknow	13-Mar-18	12-Mar-21
58	GAP 3433	Invasive Alien Plants in Himalayas: Status, Ecological Impact and Management Sub-Project : "Distribution and population growth of invasive alien plants in Sikkim and Darjeeling Himalaya in different ecosystems along the altitudinal gradient and their impact	GB Pant Institute of Himalayan Environment and Development, Almora, Uttarakhand	01-Jan-18	31-Dec-20

59	GAP 3435	Genome characterization of banana/plantain genetic resources of North-eastern region and their utilization in multicentre planning for commercial improvement	DBT, New Delhi	22-Mar-18	21-Mar-21
60	GAP 3437	Bioresource and sustainable livelihoods in North East India: Component 1 & Sub-project 11 "Quantitative assessment and mapping of the diversity of non-flowering plants (Lichen, bryophytes, fungi, pteridophytes) of Northeast India"	DBT, New Delhi	29-Mar-18	28-Mar-21
61	GAP 3438	Bioresource and sustainable livelihoods in North East India: Component 3 & Sub-project 2 "Assess the economic value of bio-resources and their role in meeting the societal needs and sustainable development goals "	DBT, New Delhi	29-Mar-18	28-Mar-21
62	GAP 3439	Bioresource and sustainable livelihoods in North East India: Component 4 & Sub-project 1 "Product development and partner support for demonstration farming and value addition "	DBT, New Delhi	29-Mar-18	28-Mar-21
63	GAP 3441	Biotechnological Interventions through RNAi approach for Management of Banana Bunchy Top Virus (BBTV) in Northeast Region of India	DBT, New Delhi	22-Mar-18	21-Mar-21
64	GAP 3444	Bioaccumulation and bio-magnification study on flora and fauna of surrounding the ash filled South Balanda Mine Void	NTPC Ltd., Talcher Thermal Power Station, Angul , Odisha	20-Jan-18	19-Jan-22
65	GAP 3445	Functional characterization of light-associated factor(s) regulating flavonoid biosynthesis in tomato	DBT, New Delhi	01-Apr-18	31-Mar-21
66	GAP 3447	Molecular physiology of carbon and nitrogen metabolism under water stress in guar leaf (<i>Cyamopsis tetragonoloba</i>)	DST, New Delhi	13-Jul-18	12-Jul-21
67	GAP 3451	Morphology and Molecular assisted identification of fresh water algae of Jim Corbett National Park (JCNP), Uttarakhand	SERB, New Delhi	20-Sep-18	19-Sep-21
68	GAP 3452	Evolutionary significance of a miRNA and its role in shaping leaf morphology and bio-mass enhancement of <i>Arabidopsis thaliana</i> of West Himalaya	DBT, New Delhi	04-Sep-18	03-Sep-21
69	GAP 3453	Understanding the molecular mechanism of defense in pigeon pea (<i>Cajanus cajan</i>) due to infestation by <i>Helicoverpa armigera</i>	DBT, New Delhi	12-Sep-18	11-Sep-21
70	GAP 3454	Poverty alleviation through popularization of locally available medicinal-dietary plants for the prevention of malnutrition among the SC/ST children and women	DBT, New Delhi	27-Sep-18	26-Sep-21

71	GAP 3455	Role of an EAR motif repressor, SIERF36, in tomato development and growth	SERB, New Delhi	20-Nov-18	19-Nov-21
72	GAP 3456	Reproductive Biology of <i>Cyathea spinulosa</i> (a Threatened Tree Fern) and Studies on its Multiplication and Restoration Potentiality	SERB, New Delhi	12-Nov-18	11-Nov-21
73	GAP 3458	CRISPR-mediated genome editing of plant for functional validation and biogenesis; Sub-project 1: CRISPR-mediated genome editing for functional characterization of plant miRNAs; Sub project 2: Editing of lower stem sequence of a pre-miRNA may suppress its	DBT, New Delhi	28-Nov-18	27-Nov-21
74	GAP 3459	Unravelling the missing links of light signalling for the divergent plant responses to vegetation proximity	DBT, New Delhi	01-Jan-19	31-Dec-23
75	GAP 3460	Capacity development of tribal populations in Chitrakoot region for utilization of local bioresources for improved livelihood	NASI, Prayagraj	05-Mar-19	04-Mar-21
76	GAP 3461	A comparative study on the effect of F-on C3 and C4 plants and the modulation of essential nutrients	SERB, New Delhi	19-Mar-19	18-Mar-21
77	GAP 3462	Comprehensive Metabolic profiling and pharmacological studies of piper species: a natural bio-enhancer in pharmaceuticals	DBT, New Delhi	05-Feb-19	04-Feb-22
78	GAP 3463	Ground and remote sensing-based measurements of leaf area index and estimating net primary productivity in tropical deciduous and semi-evergreen forests of India	SERB, New Delhi	30-Mar-19	29-Mar-22
79	GAP 3464	Characterizing Patterns and Processes of Alpine Ecosystem in Indian Himalaya with Special Emphasis to Cryptogams	Space Application Centre, ISRO, Ahmedabad	22-Feb-19	21-Feb-22
80	GAP 3465	Taxonomy and Phylogeny of the genus <i>Juniperus</i> L. (<i>Cupressaceae</i>) in India	SERB, New Delhi	01-Jun-19	31-May-22
81	GAP 3466	Biogeography, phylogenetic studies and development of e-monograph for the Arthoniales (lichenized fungi) in India	DST, New Delhi	01-May-19	30-Apr-24
82	GAP 3468	Farm based S&T interventions for socio-economic development in the aspirational district of Nabarangpur, Odisha	Agriculture and Farmers' Empowerment Department, Govt. of Odisha through CSIR-IMMT, Bhubaneshwar	12-Sep-19	31-Mar-21
83	GAP 3470	Development of Rice-Grain Arsenic Removal Technique/Method for Rural Population of Arsenic Affected Areas	DST, New Delhi	27-Nov-19	26-Nov-22
84	GAP 3471	Monographic and phylogenetic studies in the genus <i>Saxifraga</i> L. (<i>Saxifragaceae</i>) from India	SERB, New Delhi	01-Nov-19	31-Oct-22

85	GAP 3472	Reducing Pathogenic damages in betelvine (Piper betle) using ACC deaminase containing microbes	DST, New Delhi	21-Nov-19	20-Nov-22
86	GAP 3473	Deciphering the role of nitric oxide in root development and zinc availability in rice plants	SERB, New Delhi	01-Nov-19	31-Oct-22
87	GAP 3474	Understanding transcriptional regulation of withanolide biosynthesis in <i>Withania somnifera</i>	SERB, New Delhi	08-Jan-20	07-Jan-22
88	GAP 3475	Study of spatio-temporal distribution in the F - and As levels in environmental matrices of F - contaminated districts of UP (Unnao, Kanpur and Raebareilly) and its relationship with the soil chemistry	SERB, New Delhi	05-Feb-20	04-Feb-23
89	GAP 3476	Ex-situ conservation studies of the Cycas species in India at CSIR-NBRI Botanic Garden	MoEF&CC, New Delhi	18-Jan-20	17-Jan-25
90	GAP 3477	Taxonomy and Phylogeny of the genus <i>Uraria</i> Desv., (<i>Leguminosae</i>) in India	SERB, New Delhi	10-Feb-20	09-Feb-23
91	GAP 3478	Leveraging genetic resources for accelerated genetic improvement of Linseed using comprehensive genomics and phenotyping approaches: Sub Project 2, Component-1: "Development of reference genome and core set using molecular markers"	DBT, New Delhi	29-Feb-20	28-Feb-25
92	GAP 3479	Assessment of conservation status and phylogeny of Endemic hornworts (<i>Anthocerotophyta</i>) in India	SERB, New Delhi	18-Feb-20	17-Feb-23
93	GAP 3480	Construction of SNP based high-density consensus linkage map and QTL identification in linseed	SERB, New Delhi	11-Jun-20	10-Jun-23
94	GAP 3481	Development of nutraceutical supplement for diarrheal conditions	DST, New Delhi	08-Jun-20	07-Jun-22
95	GAP 3482	Conservation, Improvement Management and Promotion of Sandalwood (<i>Santalum album</i> Linn.) cultivation in India	Indian Council of Forestry Research & Education, Dehradun through MoEF&CC, New Delhi	13-Dec-19	12-Dec-24
96	GAP 3483	Conservation and productivity improvement of Red Sanders (<i>Prerocarpus santalinus</i> L.f.)	Indian Council of Forestry Research & Education, Dehradun through MoEF&CC, New Delhi	13-Dec-19	12-Dec-24
97	GAP 3484	U.P. State COVID-19 project at CSIR-NBRI, Lucknow	Govt. of Uttar Pradesh, Lucknow	23-Jul-20	31-Mar-21
98	GAP 3485	Assessment of diversity and species composition of bryophytes in Chail Wildlife Sanctuary (Himachal Pradesh) in relation to anthropogenic intervention and	SERB, New Delhi	20-Jul-20	19-Jul-22

		conservation strategies for potential and rare taxa"			
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