

List of schemes/ projects/ programme underway as on March 31, 2022

S. No.	Project No.	Project title	Funding Agency	Start Date	Completion Date
		CSIR Funded Projects			
1	HCP 0023	Next Generation Insect Resistance in Cotton: Development of next-generation transgenic cotton for broad spectrum resistance to field pests for yield protection (2nd Phase)	CSIR	10-Dec-20	31-Mar-25
2	HCP 0037	CSIR Floriculture Mission	CSIR	18-Jan-21	31-Mar-23
3	MLP 0006	Small RNAs and associated factors for enhanced post-harvest life (sRNA-Life) - Phase II	CSIR	28-Jan-21	31-Mar-23
4	MLP 0007	Genome editing for crop improvement (GE Crop)	CSIR	28-Jan-21	31-Mar-23
5	MLP 0027	Characterization and value addition of plant-based resins, gums and waxes (Phase II)	CSIR	28-Jan-21	31-Mar-23
6	MLP 0029	Pathway elucidation and identification of genes involved in guggulsterones biosynthesis in commiphora spp. (Phase II)	CSIR	28-Jan-21	31-Mar-23
7	MLP 0030	Sub-genome dominance in endoreduplication and its implication in heterotic benefits to F1-hybrids for biomass and their adaptation (Phase II)	CSIR	28-Jan-21	31-Mar-23
8	MLP 0033	A novel herbal product for vulvovaginal candidiasis	CSIR	15-Jul-20	30-Sep-22
9	MLP 0035	Unravelling molecular details of drought tolerance in cotton	CSIR	28-Jan-21	31-Mar-23
10	MLP 0036	Epigenetic modifications in Rhizoctonia solani during interaction with Bacillus amyloliquefaciens and its implication for biotic stress management in rice	CSIR	28-Jan-21	31-Mar-23
11	MLP 0037	Regulation of pectin methylesterase inhibitor for enhancing plant-generated methanol for broad spectrum insect resistance	CSIR	28-Jan-21	31-Mar-23
12	MLP 0038	Deciphering the role of sRNA during synergistic interaction between two Trichoderma spp.	CSIR	28-Jan-21	31-Mar-23
13	MLP 0039	Fe and Zn bio-fortification in rich through integrated microbial and soil nitrogen management in crop field	CSIR	28-Jan-21	31-Mar-23
14	MLP 0040	Arsenic (As) risk assessment in vegetable crops in arsenic affected	CSIR	28-Jan-21	31-Mar-23

		areas and mitigation through microbial consortia containing AsMT activity			
15	MLP 0041	Conservation of threatened plant species of India	CSIR	28-Jan-21	31-Mar-23
16	MLP 0042	Plant resource mapping of Chambal Ravines	CSIR	28-Jan-21	31-Mar-23
17	MLP 0043	Leveraging genetic resources for accelerated genetic improvement of grain amaranth using genomics and phenotyping approaches	CSIR	28-Jan-21	31-Mar-23
18	MLP 0044	To identify the potential Aloe species for cultivation in salt affected soils	CSIR	28-Jan-21	31-Mar-23
19	MLP 0045	Conservation, Agronomics, Metabolomics and genomics of Indian Lotus (KAMAL)	CSIR	28-Jan-21	31-Mar-23
20	MLP 0046	Targeted metabolite genetics in two underutilized narcotic crops (Cannabis and Opium poppy) for Cannabinoids and Oripavine improvement	CSIR	28-Jan-21	31-Mar-23
21	MLP 0047	Characterization of Boll-Weight (BW) QTL Hotspots for cotton yield improvement	CSIR	28-Jan-21	31-Mar-23
22	MLP 0048	Deciphering the mechanism(s) of host endophytes coevolution enhanced secondary metabolite production and crop productivity	CSIR	28-Jan-21	31-Mar-23
23	MLP 0049	Bio-stimulants for stress amelioration, enhanced plant productivity and soil health	CSIR	28-Jan-21	31-Mar-23
24	MLP 0168	Understanding food energy water nexus in dynamics of critical zone WRJ-1 critical zone observatory	CSIR	17-Jan-22	31-Mar-23
25	MLP 0208	Synthesis of zeolites from flyash for agriculture applications	CSIR	28-Jan-21	31-Mar-23
26	NWP 0100	CSIR Integrated Skill Initiative Phase II	CSIR	16-Oct-20	31-Mar-25
27	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
28	OLP 0100	Socio-economic development through enhancing production of agricultural systems, skill development and outreach programmes	CSIR-NBRI	01-Apr-17	31-Mar-23
29	OLP 0101	Bio-resource inventory, systematics and conservation of diverse plant groups	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 0108	Response of plant species to climate change and screening pollution ameliorating plants	CSIR-NBRI	07-Aug-20	31-Mar-23
32	OLP 0109	Endophytes and biostimulants for enhancing crop production	CSIR-NBRI	07-Aug-20	31-Mar-23
33	OLP 0110	Mapping of arsenic pollution & mitigation of arsenic contamination to crops using bioremediation.	CSIR-NBRI	07-Aug-20	31-Mar-23
34	OLP 0111	Microbial enzymes for environment and agriculture	CSIR-NBRI	07-Aug-20	31-Mar-23
35	OLP 0112	Enhancing cotton yield through GM and non-GM approaches	CSIR-NBRI	07-Aug-20	31-Mar-23
36	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			
1	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
2	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	30-Sep-22
3	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-22
4	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-22
5	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-May-22
6	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
7	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

8	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
9	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, Bhubaneswar	12-Sep-19	30-Jun-22
10	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
11	GAP 3471	Monographic and phylogenetic studies in the genus Saxifraga L. (Saxifragaceae) from India	SERB, New Delhi	01-Nov-19	31-Oct-22
12	GAP 3472	Reducing Pathogenic damages in betelvine (Piper betle) using ACC deaminase containing microbes	DST, New Delhi	21-Nov-19	20-Nov-22
13	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
14	GAP 3474	Understanding transcriptional regulation of withanolide biosynthesis in <i>Withania somnifera</i>	SERB, New Delhi	08-Jan-20	07-Jul-22
15	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
16	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
17	GAP 3477	Taxonomy and Phylogeny of the genus <i>Uraria</i> Desv., (Leguminosae) in India	SERB, New Delhi	10-Feb-20	09-Feb-23
18	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
19	GAP 3479	Assessment of conservation status and phylogeny of Endemic hornworts (Anthocerotophyta) in India	SERB, New Delhi	18-Feb-20	17-Feb-23
20	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

21	GAP 3481	Development of nutraceutical supplement for diarrheal conditions	DST, New Delhi	08-Jun-20	07-Jun-22
22	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
23	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
24	GAP 3485	Assessment of diversity and species composition of bryophytes in Chail Wildlife Sanctuary (Himachal Pradesh) in relation to anthropogenic intervention and conservation strategies for potential and rare taxa"	SERB, New Delhi	20-Jul-20	19-Jul-22
25	GAP 3486	National coordination of scheme of Young Scientists and Technologies (SYST)	DST, New Delhi	12-Nov-20	11-Nov-23
26	GAP 3487	Agriwaste management by developing hygroscopic rice straw pellets for alleviating drought stress and improving soil fertility through microbial intervention	DST, New Delhi	01-May-20	30-Apr-23
27	GAP 3488	Threat assessment of traded forest flora of Madhya Pradesh	Madhya Pradesh State Biodiversity Board	09-Dec-20	08-Dec-23
28	GAP 3489	Cumulative impact assessment for cascading interventions in Himalayan rivers (CiZHR)	GB Pant National Institute of Himalayan Environment (NIHE), Almora, Uttarakhand	22-Dec-20	13-Jul-23
29	GAP 3491	Deciphering limb regeneration potential in ladybird beetles	SERB, New Delhi	30-Dec-20	29-Dec-23
30	GAP 3492	Enabling Tribal farmers of Dudhava regions of Uttar Pradesh for on-farm utilization of rice straw for better soil health and productivity through awareness cum demonstration program	The National Academy of Sciences (NASI), Prayagraj	12-Jan-21	11-Jan-23
31	GAP 3493	Rapid composting of rice straw in field for crop residue management in rice wheat cropping system through microbial intervention"	DBT, New Delhi	18-Jan-21	17-Jan-24
32	GAP 3494	Deciphering the role of <i>Paenibacillus lentimorbis</i> NRRL B-30488 in controlling the early blight in Tomato caused by <i>Alternaria solani</i> by using metabolomics approach.	SERB, New Delhi	01-Jan-21	31-Dec-23

33	GAP 3495	Application of selenium for reducing arsenic level in rice (<i>Oryza sativa</i> L.) during arsenic stress	The National Academy of Sciences (NASI), Prayagraj	04-Jan-21	03-Jan-24
34	GAP 3496	Development of Cost effective and iron fortified herbal supplement for dysmenorrheal (menstrual disorder)	DST, New Delhi	08-Apr-21	07-Apr-24
35	GAP 3497	Evaluation of nutritional and anti-nutritional properties and neurotoxicity of <i>Cycas sphaerica</i> (Cycadaceae) - a food plant used by the tribals of Eastern Ghats of India	DST, New Delhi	01-Apr-21	31-Jan-23
36	GAP 3498	Seasonal impact on the phytoconstituents of <i>Moringa oleifera</i> Lam. and their shelf life study	UPCST, Lucknow	18-Aug-21	17-Aug-24
37	GAP 3499	Elevated CO ₂ induced small RNA directed DNA methylation regulation and miRNA expression in low and high altitude populations of <i>Arabidopsis thaliana</i> for adaptive advantages	SERB, New Delhi	18-Oct-21	17-Oct-24
38	GAP 3500	Development of rapid and cost effective 'on-farm' diagnostics for plant viruses	DST, New Delhi	01-Sep-21	07-Oct-23
39	GAP 3501	Did most <i>Cycas</i> species originate from India? Genetic evidence through phylogenetic and phylogeographic studies	SERB, New Delhi	22-Dec-21	21-Dec-23
40	GAP 3502	Systematic study in the family Poaceae from Western Himalaya	SERB, New Delhi	29-Dec-21	28-Dec-24
41	GAP 3503	Unravelling the induced defense response in the neighbouring crops as a consequences of over-expressed methanol	SERB, New Delhi	27-Dec-21	26-Dec-24
42	GAP 3504	Development of novel microbial formulation to bioremediate Cr(VI) toxicity in hexavalent chromium contaminated sites	SERB, New Delhi	07-Feb-22	06-Feb-24
43	GAP 3505	Taxonomy and ecology of lichenicolous fungi in Eastern Himalaya	SERB, New Delhi	21-Feb-22	20-Feb-25
44	GAP 3506	Systematic studies of the tribe Boehmerieae Gaud. (Utricaceae) in India	SERB, New Delhi	21-Feb-22	20-Feb-25
45	GAP 3507	Assessment of Pteridophytic diversity in Kotgarh Wildlife Sanctuary, Odisha	SERB, New Delhi	05-Mar-22	04-Mar-25
46	GAP 3508	Taxonomic and Phylogenetic Studies on <i>Impatiens</i> sect. <i>Annuae</i> (Balsaminaceae)	SERB, New Delhi	18-Feb-22	17-Feb-25
47	GAP 3509	Dehydrated Flowers and Foliages for Women Empowerment	DSIR, New Delhi	17-Mar-22	16-Mar-25

48	SSP 2904	Breeding and genetic improvement of Hemp (<i>Cannabis sativa</i> L.) for industrial and medicinal purposes	Sir Dorabji Tata Trust & Atulya Krishi Foundation (AKF) on behalf of BOHECO, Mumbai	07-Sep-18	06-Sep-23
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