

List of projects underway during F.Y. 2023-24

S.N.	Project	Code	Project title	Funding Agency	Project Duration
1.	HCP	0037	CSIR Floriculture Mission Phase-II	CSIR	26-Apr-23 to 31-Mar-26
2.	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 to 31-Mar-25
3.	HCP	0007	CSIR Aroma Mission Phase III	CSIR	26-Apr-23 to 31-Mar-26
4.	HCP	0101	Pilot Implementation of "CSIR-Virtual Laboratory (for school student) under Jigyasa	CSIR	02-Dec-20 to 31-Mar-24
5.	HCP	0047	Phenome India- CSIR Health Cohort Knowledgebase	CSIR	03-Aug-22 to 31-Mar-27
6.	MLP	0055	Unraveling the post-translational control of ripening by the MAP kinase pathways in mango	CSIR	25-May-22 to 31-Mar-24
7.	MLP	0056	Preparation of certified reference material of important phytomolecules	CSIR	18-Aug-22 to 31-Jul-24
8.	MLP	0057	Optimization of Beta 1.3 glucan production using heterotrophic microalga	CSIR	18-Aug-22 to 31-Jul-24
9.	NWP	0100	CSIR Integrated Skill Initiative Phase II	CSIR	16-Oct-20 to 31-Mar-25
10.	OLP	0114	Assessment of Diversity, Phylogeny, and Conservation of Diverse Plant Groups	CSIR-NBRI	01-Apr-23 to 31-Mar-26
11.	OLP	0115	Pharmacognosy, Phytochemistry and Product development from bio-resources	CSIR-NBRI	01-Apr-23 to 31-Mar-26
12.	OLP	0116	Technological interventions for ameliorating environmental pollution for conservation of agro-ecosystems	CSIR-NBRI	01-Apr-23 to 31-Mar-26
13.	OLP	0117	Manipulation of crop and underutilized plants for improved agricultural traits	CSIR-NBRI	01-Apr-23 to 31-Mar-26
14.	OLP	0118	Genetic improvement of industrially important and orphan crops for quality-traits	CSIR-NBRI	01-Apr-23 to 31-Mar-26
15.	OLP	0119	Conservation, Propagation, Improvement, and Popularization of RETs, Wild Ornamentals, and Under-utilized Economically Important Plants	CSIR-NBRI	01-Apr-23 to 31-Mar-26
16.	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 to 31-Mar-24

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17.	GAP	2542	EIACP Programme Centre RP at National Botanical Research Institute (NBRI), Lucknow on Indicators of Plants & Pollution	MoEF&CC, New Delhi	01-Apr-22 to 31-Mar-26
18.	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 biogenesis from pri-miRNA: A case study of pri-miRNA processing for crop improvement	DBT, New Delhi	28-Nov-18 to 27-May-23
19.	GAP	3459	Unravelling the missing links of light signalling for the divergent plant responses to vegetation proximity	DBT, New Delhi	01-Jan-19 to 31-Dec-23
20.	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 to 31-Mar-24
21.	GAP	3472	Reducing Pathogenic damages in betelvine (Piper betle) using ACC deaminase containing microbes	DST, New Delhi	21-Nov-19 to 20-May-23
22.	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 to 04-Aug-23
23.	GAP	3476	Ex-situ conservation studies of the Cycas species in India at CSIR-NBRI Botanic Garden	MoEF&CC, New Delhi	18-Jan-20 to 17-Jan-25
24.	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 to 28-Feb-25
25.	GAP	3480	Construction of SNP based high-density consensus linkage map and QTL identification in linseed	SERB, New Delhi	11-Jun-20 to 10-Nov-23
26.	GAP	3481	Development of nutraceutical supplement for diarrheal conditions	DST, New Delhi	08-Jun-20 to 07-Jun-23
27.	GAP	3482	Conservation, Improvement Management and Promotion of Sandalwood (<i>Santalum album</i> Linn.) cultivation in India	ICFR&E, Dehradun	13-Dec-19 to 12-Dec-24
28.	GAP	3483	Conservation and productivity improvement of Red Sanders (<i>Prerocarpus santalinus</i> L.f.)	ICFR&E, Dehradun	13-Dec-19 to 12-Dec-24
29.	GAP	3486	National coordination of scheme of Young Scientists and Technologies (SYST)	DST, New Delhi	12-Nov-20 to 11-Nov-23
30.	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 to 30-Apr-23

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31.	GAP	3488	Threat assessment of traded forest flora of Madhya Pradesh	Madhya Pradesh State Biodiversity Board	09-Dec-20 to 08-Dec-23
32.	GAP	3489	Cumulative impact assessment for cascading interventions in Himalayan rivers (Ci2HR)	GB Pant National Institute of Himalayan Environment (NIHE), Almora, Uttarakhand	22-Dec-20 to 31-Mar-24
33.	GAP	3491	Deciphering limb regeneration potential in ladybird beetles	SERB, New Delhi	30-Dec-20 to 29-Dec-23
34.	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 to 17-Jan-24
35.	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 to 31-Dec-23
36.	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 to 03-Jan-24
37.	GAP	3496	Development of Cost effective and iron fortified herbal supplement for dysmenorrheal (menstrual disorder)	DST, New Delhi	08-Apr-21 to 07-Apr-24
38.	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 to 31-Jul-23
39.	GAP	3498	Seasonal impact on the phytoconstituents of <i>Moringa oleifera</i> Lam. and their shelf life study	UPCST, Lucknow	18-Aug-21 to 17-Aug-24
40.	GAP	3499	Elevated CO2 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 to 17-Oct-24
41.	GAP	3500	Development of rapid and cost effective 'on-farm' diagnostics for plant viruses	DST, New Delhi	01-Sep-21 to 07-Oct-23
42.	GAP	3501	Did most <i>Cycas species</i> originate from India? Genetic evidence through phylogenetic and phylogeographic studies	SERB, New Delhi	22-Dec-21 to 21-Dec-23
43.	GAP	3502	Systematic study in the family Poaceae from Western Himalaya	SERB, New Delhi	29-Dec-21 to 28-Dec-24
44.	GAP	3503	Unravelling the induced defense response in the neighbouring crops as a consequences of over-expressed methanol	SERB, New Delhi	27-Dec-21 to 26-Dec-24
45.	GAP	3504	Development of novel microbial formulation to bioremediate Cr(VI) toxicity in hexavalent chromium contaminated sites	SERB, New Delhi	07-Feb-22 to 06-Feb-24

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46.	GAP	3505	Taxonomy and ecology of lichenicolous fungi in Eastern Himalaya	SERB, New Delhi	21-Feb-22 to 20-Feb-25
47.	GAP	3506	Systematic studies of the tribe Boehmerieae Gaud. (Utricaceae) in India	SERB, New Delhi	21-Feb-22 to 20-Feb-25
48.	GAP	3507	Assessment of Pteridophytic diversity in Kotgarh Wildlife Sanctuary, Odisha	SERB, New Delhi	05-Mar-22 to 04-Mar-25
49.	GAP	3508	Taxonomic and Phylogenetic Studies on Impatiens sect. Annuae (Balsaminaceae)	SERB, New Delhi	18-Feb-22 to 17-Feb-25
50.	GAP	3509	Dehydrated flowers and foliages for women empowerment	DSIR, New Delhi	17-Mar-22 to 16-Mar-25
51.	GAP	3510	Exploration of native legumes and characterization of associated nitrogen fixing microsymbionts in North-Eastern India for development of biofertilizers	DBT, New Delhi	09-Mar-22 to 08-Mar-25
52.	GAP	3511	An integrative revision of the genus <i>Swertia</i> L (Gentianaceae) in India and threat assessment of its species	SERB, New Delhi	02-Mar-22 to 01-Mar-24
53.	GAP	3512	Development of high laccase producing mutants of <i>Trichoderma asperellum</i> strain NBRI-K14 using gamma ray mutagenesis	BRNS, DAE, Mumbai	19-May-22 to 18-May-25
54.	GAP	3513	Rapid and on-site diagnostic for viruses and viroid infecting apple	SERB, New Delhi	29-Apr-22 to 28-Jul-23
55.	GAP	3514	Establishment of Amrut Biodiversity Park at New Delhi	DDA, New Delhi	18-Aug-22 to 17-Aug-29
56.	GAP	3515	Characterization of cotton fiber-specific microRNA-encoded peptides (miPEPs)	DBT, New Delhi	26-Sep-22 to 25-Sep-25
57.	GAP	3516	Exploring roles of tissue specific circadian clock in regulating plant organogenesis and adaptive growth	DBT, New Delhi	01-Sep-22 to 31-Aug-27
58.	GAP	3517	Exploring the genetic resources of Indian <i>Arabidopsis thaliana</i> populations for utilization in <i>Brassica</i> crops against prevalent fungal diseases	DBT, New Delhi	06-Sep-23 to 05-Sep-26
59.	GAP	3518	Mapping nitrogen pollution in Gangetic Plains utilizing lichens as bioindicators	UPCST, Lucknow	20-Dec-22 to 19-Dec-25
60.	GAP	3519	Biotechnological Interventions for Management of Protected Areas	DBT, New Delhi	17-Feb-23 to 16-Feb-26
61.	GAP	3520	Identification of adulterants/substitutes for Ayurveda plant raw material in trade using pharmacognostic and phytochemical parameters	CCRAS, New Delhi	18-Mar-23 to 17-Mar-26
62.	GAP	3521	Mechanistic studies in elucidation of shodhana for nine poisonous medicinal plants of E1 schedule	CCRAS, New Delhi	24-Mar-23 to 23-Mar-26
63.	GAP	3522	Unveiling the unknowns and novel components of temperature sensing and signaling in plant	SERB, New Delhi	08-May-23 to 07-May-25

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64.	GAP	3523	Nanotechnology for higher biomass and enhanced yield of cycloolivil in endangered <i>Stereospermum tetragonum</i>	DST, New Delhi	09-Mar-23 to 08-Mar-26
65.	GAP	3524	Deciphering role of tomato brown rugose fruit virus movement proteing in local and systemic movement in planta	SERB, New Delhi	21-Jun-23 to 20-Jun-26
66.	GAP	3525	Exploring brassinosteroid-mediated mechanisms of plant growth and adaptation under elevated CO2 conditions.	SERB, New Delhi	21-Jun-23 to 20-Jun-26
67.	GAP	3526	The Role of TBP-associated Factor 4b in cotton fiber development	SERB, New Delhi	18-Jul-23 to 17-Jul-26
68.	GAP	3527	Fate of reactive nitrogen in Indian freshwater ecosystems	SERB, New Delhi	10-Jul-23 to 09-Jul-26
69.	GAP	3528	Development of bioelectronics sensor technology coupled with high-throughput metabolomics for quality control of Jatamansi: An economically important medicinal plant.	DBT, New Delhi	04-Oct-23 to 03-Oct-26
70.	GAP	3529	To study the role of phosphate, aquaporin and NRAMP transporters on arsenic accumulation in Kalanamak rice	UPCST, Lucknow	27-Dec-23 to 26-Dec-26
71.	GAP	3530	Development of diagnostic tool for on-site and simultaneous detection of viruses infecting tomato	DST, New Delhi	17-Nov-23 to 16-Nov-25
72.	GAP	3531	Investigating the possible role of small peptides in development of cotton fiber.	DBT, New Delhi	03-Jan-24 to 02-Jan-27
73.	GAP	3532	Development of Fragrance Park at Hussainabad, Lucknow	LDA, Lucknow, UP	12-Feb-24 to 11-Feb-26
74.	GAP	3533	To study the effect of arsenic accumulation on aroma, nutritive value and glycemic index of short grain aromatic rices grown in arsenic affected districts of Eastern Uttar Pradesh	UPCAR, Lucknow	15-Feb-24 to 14-Feb-27
75.	GAP	3534	Photobiont diversity in lichens occurring in varied ecological conditions in India	SERB, New Delhi	19-Feb-24 to 18-Feb-27
76.	GAP	3535	Engineering cottonseed to reduce toxic gossypol synthesis via CRISPR-Cas9 technology	SERB, New Delhi	20-Feb-24 to 19-Feb-27
77.	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 to 31-Dec-24

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