

## List of completed schemes/ projects/ programmes 2015-16 to 2019-20

S.N.	Project No.	Project title	Funding Agency	Start Date	Completion Date
<b>Completed Projects during 2015-16</b>					
1	GAP 2162	Taxonomy and ecology of the Himalayan genus <i>Oxytropis</i> DC ( <i>Leguminosae</i> ) in India	MEn&F, New Delhi	15-Feb-12	15-Aug-15
2	GAP 2563	Strategic knowledge for climate change on agriculture and forest ecosystem in Indo-Gangetic Plains (IGP) of UP	DST, New Delhi	15-Dec-11	31-Oct-15
3	GAP 2758	Extraction and micro-encapsulation of nutraceutical for effective delivery into different food matrices	ICAR, New Delhi	01-May-11	31-Dec-15
4	GAP 3305	Characterization of cyanotoxins (microcystins) and quantification of their potential utilization	SERB, New Delhi	17-Jul-12	16-Jul-15
5	GAP 3307	Study of the role of glutaredoxin in the arsenic detoxification in <i>Oryza sativa</i> L.	SERB, New Delhi	20-Jul-12	19-Jul-15
6	GAP 3308	Functional characterization of chromium induced Glutathione-S-Transferases from rice using heterologous system	SERB, New Delhi	30-Jul-12	29-Jul-15
7	GAP 3310	Amelioration of biohydrogen generation by genetic modification and process optimization.	DST, New Delhi	24-Aug-12	23-Aug-15
8	GAP 3311	Development of saturated genetic linkage map for <i>Gossypium hirsutum</i> L. using SSR and SNP markers.	DBT, New Delhi	08-Aug-12	07-Feb-16
9	GAP 3312	Studies on drought resistance strategy in seedlings of Teak ( <i>Tectona Grandis</i> ) species and selection of improved genotype for forest management.	DBT, New Delhi	01-Oct-12	31-Dec-15
10	GAP 3313	Evaluation of medicinal plants for cultivation in sodic wastelands of Uttar Pradesh	UPCST, Lucknow	01-Nov-12	31-Oct-15
11	GAP 3314	Development of low cost technology for extraction/isolation of some lesser known natural gums and value addition thereof	DST, New Delhi	26-Sep-12	25-Mar-16
12	GAP 3316	Studies on Algal blooms, their characterization and the factors influence bloom formation	DBT, New Delhi	14-Feb-13	31-Aug-15
13	GAP 3317	Study on genetic diversity of potyviruses infecting bulbous ornamental crops in India for development of their possible management.	SERB, New Delhi	20-Mar-13	19-Mar-16

14	GAP 3320	Chemo-profiling of potential phyto- acaricides and their functional characterization for controlling resistant cattle ticks.	ICAR, New Delhi	01-Apr-13	31-Mar-16
15	GAP 3323	Lichen exploration in protected areas of Uttar Pradesh and sensitizing stakeholders for conservation	UP State Biodiversity Board, Lucknow	16-Jul-13	15-Oct-15
16	GAP 3326	Genetic improvement of Bougainvillea through induced mutation preparation of descriptors of the cultivars and development of national germplasm collection centre	DAE (BRNS), Mumbai	24-Sep-13	31-Mar-16
17	GAP 3350	Utilization of Natural Gums as low cost material for development of sanitary napkins and awareness on health & menstrual hygiene issues in rural area	NASI, Allahabad	02-Jan-15	01-Jan-16
18	GAP 3352	Prospects of Gum rich plant for Technological Intervention and societal benefits	NASI, Allahabad	02-Mar-15	01-Mar-16
19	SSP 2903	Study of impact on Arsenic contamination in Rice using Ortho Sillicic Acid formulation	Privi Life Sciences Pvt. Ltd., Mumbai	28-Oct-14	27-Oct-15
<b>Completed Projects during 2016-17</b>					
1	BSC 0117	Plant Microbe and Soil Interactions (PMSI)	CSIR	01-Apr-12	31-Mar-17
2	BSC 0125	S&T Intervention to combat malnutrition in women and children	CSIR	01-Jul-13	31-Mar-17
3	BSC 0111	Integrated NextGen Approaches in Health Disease and Environmental Toxicity (INDEPTH)	CSIR	01-Apr-12	31-Mar-17
4	BSC 0109	Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives (SIMPLE)	CSIR	01-Apr-12	31-Mar-17
5	BSC 0106	Bioprospecaion of plant resources and other natural products (BioprosPR)	CSIR	01-Apr-12	31-Mar-17
6	BSC 0107	Genomics of medicinal plants and agronomically important traits (PlaGen)	CSIR	01-Apr-12	31-Mar-17
7	BSC 0121	Genomics and Information Solutions for Integrating Biology (GENESIS)	CSIR	01-Apr-12	31-Mar-17
8	BSC 0204	Root biology and its correlation to sustainable plant development and soil fertility (RootSF)	CSIR	01-Apr-12	31-Mar-17
9	BSC 0110	Introduction, domestication, improvement and cultivation of economically important plants "AGTEC"	CSIR	01-Apr-12	31-Mar-17

10	ISC 0102	CSIR knowledge gateway and open source private cloud infrastructure (KNOWGATE)	CSIR	01-Apr-14	31-Mar-17
11	PSC 0112	Probing the changing atmosphere and its impacts in Indo-Gangetic Plains and Himalayan Region (AIM-IGPHim)	CSIR	01-Apr-12	31-Mar-17
12	RSP 4001	Field demonstration of region specific medicinal & aromatic plants genotypes of CSIR for socio-economic upliftment of masses in J&K regions (J&K Aroma Arogya Gram-JAAG)	CSIR	12-Jun-15	31-Mar-17
13	RSP 4025	CSIR-NBRI initiatives for Rural Development through "Green Technologies" under CSIR 800 Rural Development Programme	CSIR	01-Apr-15	31-Mar-17
14	OLP 0078	Insect inducible methanol production in plants for insect resistance	CSIR under EMPOWER	01-Sep-10	31-Mar-17
15	OLP 0079	Enhanceromics to genome regulation	CSIR under EMPOWER	01-Sep-10	31-Mar-17
16	OLP 0081	Enrichment and maintenance of the germplasm collection of diversified groups of plants and selected ornamental crops for conservation, education and bio-aesthetics	CSIR-NBRI	01-Apr-12	31-Mar-17
17	OLP 0082	Distant Research Centres (Banthra Research Station)	CSIR-NBRI	01-Apr-12	31-Mar-17
18	OLP 0083	Taxonomic studies and digitization of plant diversity of India	CSIR-NBRI	01-Apr-12	31-Mar-17
19	OLP 0084	Digitization and organization of CSIR-NBRI Herbarium (National Facility)	CSIR-NBRI	01-Apr-12	31-Mar-17
20	OLP 0085	Changes in biomass allocation to leaves, sams, fruits and roots under abiotic stress in seed plants	CSIR-NBRI	01-Apr-12	31-Mar-17
21	OLP 0086	Bioremediation of organic and inorganic pollutants	CSIR-NBRI	01-Apr-12	31-Mar-17
22	OLP 0087	Genetic improvement of plants through the intervention of conventional and molecular methods	CSIR-NBRI	01-Apr-12	31-Mar-17
23	OLP 0088	Canna biology	CSIR-NBRI	01-Apr-12	31-Mar-17
24	OLP 0089	Quality evaluation and scientific validation of indigenous Indian medicinal plants having industrial application (pharmaceutical, nutraceutical, cosmaceutical) and development of herbal product(s) based on traditional knowledge	CSIR-NBRI	01-Apr-12	31-Mar-17
25	OLP 0090	Phytochemical studies of medicinal and aromatic plants	CSIR-NBRI	01-Apr-12	31-Mar-17

26	OLP 0091	Plant growth promoting Rhizobacteria mediated stress management for increasing crop productivity	CSIR-NBRI	01-Apr-12	31-Mar-17
27	GAP 3318	Utilization of industrial wastes for cultivation of medicinal and aromatic plants in sodic soils	SERB, New Delhi	03-Apr-13	02-Apr-16
28	GAP 3321	Barcoding of Himalayan lichens-cutting edge approaches to study lichen biodiversity and setting lichen conservation strategies in India	SERB, New Delhi	01-Jul-13	30-Jun-16
29	GAP 3322	Identification & Evaluation of some lesser known plants for malnutrition and development of a low cost herbal combination thereof	UPCST, Lucknow	01-Jul-13	30-Jun-16
30	GAP 3324	Carbon sequestration in substrate-vegetation system of fly ash basins	SERB, New Delhi	15-Jul-13	14-Jul-16
31	GAP 3325	Nutritional profiling and antioxidant activity of selected small milletes	SERB, New Delhi	08-Aug-13	07-Aug-16
32	GAP 3328	Lichen analysis for ecological continuity of tropical rain forests in Nilgiri Hills of Western Ghats, India	SERB, New Delhi	24-Sep-13	23-Sep-16
33	GAP 3329	Alpine ecosystem dynamics and impact of climate change in Indian Himalaya	ISRO, Ahmedabad	01-Oct-13	31-Mar-17
34	GAP 3330	Lichens response to rising temperature and high ultraviolet radiance due to on-going climate change	SERB, New Delhi	24-Oct-13	23-Oct-16
35	GAP 3331	Studies on morphogenesis reproductive biology and ex-situ conservation of selected endangered, threatened and potential bryophytes	SERB, New Delhi	01-Nov-13	31-Oct-16
36	GAP 3333	Develop a system to monitor climate change with lichens in India	SERB, New Delhi	20-Dec-13	19-Dec-16
37	GAP 3334	Quality production of abiotic stress tolerant microbe based bioinoculants and their popularization for improving health and sustained crop production in U.P.	Department of Agriculture U.P.	27-Dec-13	31-Mar-17
38	GAP 3335	Monographic and phylogenetic studies in the Tribe Delphineae ( <i>Ranunculaceae</i> ) from India	SERB, New Delhi	04-Mar-14	03-Mar-17
39	GAP 3336	Identification and characterization of arsenite oxidase genes in fungi isolated from Arsenic contaminated soils.	SERB, New Delhi	27-May-14	23-Dec-16
40	GAP 3337	Taxonomic study of the Tree Flora of Uttar Pradesh	UP State Biodiversity Board, Lucknow	24-Jun-14	23-Dec-16

41	GAP 3341	Standardization of protocols for organic seed production of turmeric ( <i>Curcuma longa</i> ) in Uttar Pradesh	UPCAR, Lucknow	04-Sep-14	03-Sep-16
42	GAP 3347	Evaluation of floral bio-diversity and microbial biomass in Sodic Lands of Uttar Pradesh under the Sodic Land Reclamation Project Phase III	RSAC U.P., Lucknow	26-Nov-14	25-Nov-16
43	GAP 3355	Establishment of small nursery for fast multiplication of elite clones and new varieties of medicinal and aromatic plants	Directorate of Horticulture and Food Processing UP	27-Apr-15	26-Apr-16
44	CNP 3042	Consultancy for Improvement of Alkaline Land of Rail Coach Factory (RCF), Raebareli	Rail Coach Factory (RCF), Raebareli	11-Apr-16	30-Nov-16
<b>Completed Projects during 2017-18</b>					
1	MLP 0007	Thebaine-rich opium poppy lines for suitable cultivation through narcotics department	CSIR	20-Jul-16	19-Jan-18
2	MLP 0008	Development of Low Grain Arsenic Rice Cultivar for Arsenic Contaminated Areas	CSIR	06-Sep-16	05-Mar-18
3	MLP 0009	Anacardic Acid: A potential molecule to increase cotton fibre yield and quality	CSIR	06-Sep-16	05-Mar-18
4	OLP 0107	Facility creation for bioprospection, development of herbal products and green technologies	CSIR-NBRI	05-Dec-17	31-Mar-18
5	GAP 2240	Establishment of a DUS Test Centre at CSIR-NBRI, Lucknow for Canna crop.	PPV&FRA, Min. Agriculture	01-Feb-12	31-Mar-18
6	GAP 2241	Establishment of a DUS Test Centre at CSIR-NBRI, Lucknow for Gladiolus crop.	PPV&FRA, Min. Agriculture	01-Feb-12	31-Mar-18
7	GAP 2803	Establishment of bioinformatics infrastructure facility at NBRI	DBT, New Delhi	01-Apr-97	31-Dec-17
8	GAP 3332	Study of Bryophyte diversity in the Eastern Ghats	MEn&F, New Delhi	19-Nov-13	30-Apr-17
9	GAP 3338	A study on the role of miRNA(s) in plant growth promoting rhizobacteria mediated drought stress alleviation in chickpea ( <i>Cicer arietinum</i> L.) (SERB WOMEN EXCELLENCE AWARD)	SERB, New Delhi	03-Jul-14	02-Jul-17
10	GAP 3304	National Network program on lichens: Bioprospecting its secondary compounds and establishing cultures and collections	DBT, New Delhi	01-Apr-12	20-Jun-17

11	GAP 3319	Production of phytochemicals from best chemotypes of some threatened medicinal plants through modified cultivation and in-vitro production technologies	ICAR, New Delhi	01-Apr-13	30-Sep-17
12	GAP 3339	Promoting guggulsterone production in <i>Commiphora wightii</i> : Metabolite profiling of contrasting chemotypes and identifying precursors of guggulsterones	DBT, New Delhi	05-Aug-14	04-Aug-17
13	GAP 3340	To Study the effect of different sources and levels of organic matter on biomass yield and quality of Kalmegh	UPCAR, Lucknow	04-Sep-14	03-Sep-17
14	GAP 3342	Role of micro-climate in Soil Carbon Sequestration in two pulses in Indo-Gangetic plains of Uttar pradesh	UPCAR, Lucknow	04-Sep-14	03-Sep-17
15	GAP 3343	Tagging Alternaria blight resistance loci and marker assisted backcrossing (MABC) in linseed ( <i>Linum ussitatissimum</i> L.)	UPCAR, Lucknow	11-Sep-14	10-Sep-17
16	GAP 3344	Development of transgenic cotton lines for resistance against whitefly ( <i>Bemisia tabaci</i> )	DST, New Delhi	18-Sep-14	17-Sep-17
17	GAP 3345	Standardization and validation of Lichen species: <i>Usnea longissima</i> and <i>Cladonia furcata</i> used in peptic ulcer	SERB, New Delhi	10-Nov-14	31-Mar-18
18	GAP 3346	Screening of rice ( <i>Oryza sativa</i> L.) varieties for tolerance to arsenic: investigation of rhizospheric and in planta chemistry of arsenic and biochemical responses of tolerant and sensitive varieties	SERB, New Delhi	13-Oct-14	12-Oct-17
19	GAP 3348	Transcript profiling of major millet crops under drought stress and cloning – characterization of stress-inducible transcription factors	DST, INSPIRE Faculty Awards	19-Nov-14	28-Feb-18
20	GAP 3349	Deciphering plant responses to elevated carbon dioxide and its implication for Root-Soil-Microbe Interactions.	SERB, New Delhi	01-Dec-14	28-Feb-18
21	GAP 3353	Genome wide identification and functional characterization of dehydrin gene families in rice and analysis of their responsiveness to drought and other abiotic stresses	SERB, New Delhi	25-Mar-15	24-Mar-18
22	GAP 3354	Development of F1-Hybrid Cotton using Novel Reversible Male Sterility System	DBT, New Delhi	25-Mar-15	24-Mar-18
23	GAP 3356	Water quality monitoring of Ganga river from Gomukh to Hooghly, under National Mission for Clean Ganga (NMCG)	NEERI, Nagpur through Ministry of Water Resources	13-May-15	31-Dec-17

24	GAP 3367	Agrotechnological development of Aloespecies for popularization and training among farmers for cultivation on sodic degraded lands of U.P.	UPCST, Lucknow	01-Feb-16	31-Jan-18
25	GAP 3383	Investigation of plant diversity of Nawab Wazid Ali Shah Zoological Garden, Lucknow	Nawab Wazid Ali Shah Zoological Garden, Lucknow	21-Dec-16	20-Dec-17
26	GAP 3385	Seed multiplication of high thebaine lines of Opium Poppy ( <i>Papaver somniferum</i> L.) at different locations of Rajasthan and Madhya Pradesh	Govt. Opium and Alkaloids Factories, Deptt. of Revenue Ministry of Finance, GoI, New Delhi	20-Oct-16	19-Oct-17
27	TSP 0003	Training on Tissue Culture Techniques	Govt. Tissue Culture Laboratory, Horticulture & Food Processing Department, Lucknow	30-Oct-17	03-Nov-17
28	CNP 3044	Advise on feasibility study for the programme 'Forest and Biodiversity Management of the Himalayas' in Nagaland	KfW (Kreditanstalt für Wiederaufbau, Frankfurt, Germany)	21-Jul-17	05-Aug-17
<b>Completed Projects during 2018-19</b>					
1	MLP 0032	Technologies and products for reduced emission fireworks: Intervention of plant-based materials in firecrackers to reduce pollution	CSIR	12-Dec-18	31-Mar-19
2	GAP 2803	Establishment of bioinformatics infrastructure facility at NBRI	DBT, New Delhi	01-Apr-97	31-Dec-18
3	GAP 3357	Metabolite profiling of Amaranth for high squalene yielding chemotypes in control of hypertension	ICMR, New Delhi	23-Jun-15	22-Jun-18
4	GAP 3358	Phytochemical and pharmacological studies of the isolated polyphenols from the resurrection plant <i>Selaginella bryopteris</i> (Sanjeevani)	ICMR, New Delhi	23-Jun-15	22-Jun-18
5	GAP 3359	Deciphering the beneficial microbes mediated signaling cross-talk for enhanced crop productivity under stressed conditions (JC Bose Fellowship)	SERB, New Delhi	22-Jun-15	31-Mar-19
6	GAP 3360	Mapping of floristic diversity and conservation studies on plant resources of Kishanpur Wild Life Sanctuary	UPCST, Lucknow	16-Jun-15	15-Jun-18

7	GAP 3361	To Decipher Protein Interaction Network of TAF4b (TBP Associated Factor 4b) Involved In Plant Defense	DBT, New Delhi	15-Jul-15	14-Jul-18
8	GAP 3362	Phylogentic grouping South Asian Lichen of the Teloschestaceae ( <i>Ascomycota</i> ) for biotechnological purposes	DST, New Delhi	27-Aug-15	26-Feb-19
9	GAP 3363	Assessment of bryophyte diversity, species richness and composition in Darjeeling Hills with special reference to climate change and its conservation strategies	SERB, New Delhi	04-Jan-16	03-Jan-19
10	GAP 3365	Investigation of arsenic toxicity and tolerance mechanism by studying proteomic and Gene Expression Response during Dimethylarsenic Acid and Silicon interaction in Rice ( <i>Oryza sativa</i> L.)	SERB, New Delhi	15-Jan-16	22-Jun-18
11	GAP 3366	Development of bioaugmentation based safe cultivation practice for remediating arsenic contamination to paddy crop	DBT, New Delhi	31-Dec-15	30-Mar-19
12	GAP 3368	Molecular genetics of guar ( <i>Cyamopsis tetragonolob</i> ) using SNP markers	DBT, New Delhi	08-Feb-16	07-Feb-19
13	GAP 3369	Molecular systematics of the <i>Didymocarpus Henckelia</i> generic complex ( <i>Gesneriaceae</i> ) in India	SERB, New Delhi	25-Feb-16	24-Feb-19
14	GAP 3371	Assessment of population dynamics and carbon sequestration potential in conjunction with sustainable utilization of some medicinally important plant species to expedite conservation goals	SERB, New Delhi	08-Apr-16	07-Apr-18
15	GAP 3375	Identification of elite chemotype(s) and evaluation of biological properties of essential oils from <i>Cyperus rotundus</i> Linn. from different phytogeographical zones of India	SERB, New Delhi	01-Jun-16	31-May-18
16	GAP 3376	Investigation of the biological roles of MYB1 transcription factor and its regulatory microRNAs in secondary cell wall biosynthesis in cotton ( <i>Gossypium</i> sp.) fibers	SERB, New Delhi	11-Jul-16	10-Jul-18
17	GAP 3379	Exploration of native endophytic fungi from <i>Bacopa monnieri</i> involved in bacoside biosynthesis	SERB, New Delhi	08-Aug-16	18-Jun-18
18	GAP 3380	Modelling the Plant-Environment Interactions with particular reference to Chemicals for Risk Assessment	SERB, New Delhi	01-Sep-16	31-Aug-18
19	GAP 3381	Enhancement of solasodine content in shoot cultures of <i>Solanum khasianum</i> Clarke through biotic elicitors and expression analysis of the genes associated with solasodine biosynthesis	SERB, New Delhi	17-Aug-16	16-Aug-18



20	GAP 3382	Development of insect resistant chickpea lines expressing the cryIAc (Bt) gene under a strong early acting wound inducible promoter for improved efficacy of the Bt toxin	SERB, New Delhi	19-Sep-16	18-Sep-18
21	GAP 3391	Assessment of F and Cr in soil, Plants and water in and around the Unnao region of Uttar Pradesh	UPCST, Lucknow	02-Dec-16	01-Dec-18
22	GAP 3405	Studies on microbiome mediated defense signaling against <i>Bipolaris sorokiniana</i> (spot-blotch) infestation in wheat	SERB, New Delhi	27-Jul-16	09-May-18
23	GAP 3419	Mitigation of green house gases in rice fields by using Trichoderma based biofertilizer	DST, New Delhi	01-Nov-17	17-Apr-18
24	GAP 3421	Carrying out Tree Falling Risk Assessment study on 50 trees on pilot basis at GSPL Bongaigaon of IOCL, ERPL	Indian Oil Corporation Limited, Kolkata	21-Nov-17	20-Nov-18
25	GAP 3442	Certificate Course on Greenbelt Development for Industries	MoE,F&CC, New Delhi	01-Apr-18	31-Mar-19
26	GAP 3446	Certificate course on "Pollution Monitoring: Soil Pollution"	MoE,F&CC, New Delhi	01-Apr-18	31-Mar-19
27	TSP 0004	Training programme for Floriculture intervention	HCL Foundation, Noida	25-Jul-18	27-Jul-18
28	TSP 0005	Training programme to scientists of DBT-APSC S&T Centre of Excellence for Bio-resources and Sustainable Development, Arunachal Pradesh	Arunachal Pradesh State Council for Science and Technology, Govt. of Arunachal Pradesh	12-Mar-19	28-Mar-19
29	CNP 3041	Consultancy for advanced molecular biology at JISL	Jain Irrigation Systems Limited, Jalgaon	01-Jun-15	31-May-18
30	CNP 3043	Consultancy study for Expansion of Obra Thermal Power Plan by addition of 2x660 MW at Obra, Tehsil Robertsganj, District Sonbhadra, Uttar Pradesh I. Assessment of soil health and recommendation of decontamination strategies II. Mitigation of flyash contaminated agriculture soil-technology demonstration for environmental management	Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd, Lucknow	06-Jun-16	05-Dec-18

#### Completed Projects during 2019-20

1	HCP 0007	CSIR Aroma Mission: Catalyzing rural empowerment through cultivation processing, value addition and marketing of aromatic plants	CSIR	17-Jul-17	31-Mar-20
2	HCP 0010	CSIR Phytopharmaceutical Mission: Catalyzing Phytochemical drug discovery as per global standards for unmet medicinal needs from indigenous medicinal plants under captive cultivation	CSIR	08-Dec-17	31-Mar-20
3	HCP 0023	Next Generation Insect Resistance in Cotton: Development of next-generation transgenic cotton for broad spectrum resistance to field pests for yield protection	CSIR	31-Jan-19	31-Mar-20
4	MLP 0022	Development of Microbial formulations to serve as stress buster and biofertilizer for improving crop productivity in stressed agriculture	CSIR	28-Feb-17	30-Sep-19
5	MLP 0025	Bio-prospecting plant diversity for food grade colors	CSIR	27-Aug-18	31-Mar-20
6	MLP 0026	Genome editing for enhance yield and quality traits (GE-Plant)	CSIR	16-Nov-18	31-Mar-20
7	MLP 0028	Small RNAs and associated factors for enhanced post-harvest life (sRNA-Life)	CSIR	16-Nov-18	31-Mar-20
8	MLP 0031	Understanding the epigenetic of fitness advantage of high altitude Arabidopsis thaliana population under new environments	CSIR	16-Nov-18	31-Mar-20
9	NWP 0100	CSIR Integrated Skill Initiative program : Vision, Mission & Roadmap of CSIR-NBRI Skill Development Programmes	CSIR	05-Dec-17	31-Mar-20
10	OLP 0102	Monitoring and assessment of pollution & its mitigation through bioremediation	CSIR-NBRI	01-Apr-17	31-Mar-20
11	OLP 0103	Forest carbon stock assessment and plants for mitigating urban air pollution	CSIR-NBRI	01-Apr-17	31-Mar-20
12	OLP 0104	Plant improvement through transgenic and modern breeding approaches	CSIR-NBRI	01-Apr-17	31-Mar-20
13	OLP 0105	Microbial intervention for amelioration of Abiotic and biotic stresses in plants	CSIR-NBRI	01-Apr-17	31-Mar-20
14	GAP 3364	Studies on genome wide epigenetic variations in natural populations of west Himalayan Arabidopsis thaliana along altitudinal gradient	DBT, New Delhi	15-Dec-15	15-Apr-19
15	GAP 3370	Exploring transcriptional regulators involved in prickly formation in <i>Solanum khasianum</i>	SERB, New Delhi	04-Apr-16	03-Apr-19

16	GAP 3372	Monitoring of organochlorine pesticides (OCPs) pollution of River Ganga at Kanpur, India	NASI, Allahabad	01-Apr-16	30-Apr-19
17	GAP 3374	Identification of Potential Bioactive Chemical Marker Compounds and Biological Studies of <i>Gloriosa superba</i> and their Geographical Variations	NMPB, Ministry of AYUSH, New Delhi	17-May-16	16-May-19
18	GAP 3377	International consortium for renewable and advanced fuel technologies (i-CRAFT)	INDO-US Science and Technology Forum, New Delhi	25-Jul-16	24-Jul-19
19	GAP 3378	To decipher the histone acetylation dynamics regulating the yield and quality of cotton fiber	DST, New Delhi	08-Aug-16	18-Jul-19
20	GAP 3384	Microbial roles in yield management of scented rice of North-East, India	DBT, New Delhi	27-Oct-16	26-Oct-19
21	GAP 3388	Chemical, structural and functional characterization of identified anti-tick lead phytochemicals and optimization of delivery matrix for effective application of natural formulation for control of acaricide resistant ticks	NASF, ICAR, New Delhi	01-Jan-17	31-Dec-19
22	GAP 3389	Functional Characterization of rice class I Metallothionein (MT) gene family	SERB, New Delhi	06-Feb-17	05-Feb-20
23	GAP 3390	Plant Diversity Assessment of Dima Hasao district in Assam	ASBB, Guwahati, Assam	04-Feb-17	05-Jul-19
24	GAP 3392	Role of NPR1 in global nucleosomal remodeling in <i>Arabidopsis thaliana</i>	SERB, New Delhi	15-Feb-17	14-Feb-20
25	GAP 3395	Exploring a novel role of SkMSM1 and SkR2R3-Myb315-like transcriptional regulators in the development of prickles of <i>Solanum khasianum</i>	DBT, New Delhi	30-Jan-17	29-Jan-20
26	GAP 3396	Biofortification of essential metal nutrients (Fe, Zn) in <i>Oryza sativa</i> L. through microbes	SERB, New Delhi	03-Mar-17	02-Mar-20
27	GAP 3397	Exploration of plant diversity in un/underexplored areas of Manipur and Nagaland: Inventory, conservation of threatened and endemic plants, field and bioprospection of selected taxa for using as bioresources	IBSD, Imphal	21-Mar-17	20-May-19
28	GAP 3399	Monographic studies on the genus Geranium with special emphasis on the phytosociological and conservation status	SERB, New Delhi	15-Mar-17	14-Mar-20

29	GAP 3404	Revalidation of Good Agricultural Practices (GAPs) to develop agro-technology for the cultivation of medicinal plants	NMPB, Ministry of AYUSH, New Delhi	11-May-17	20-Nov-19
30	GAP 3406	Recombinant Expression and Characterization of New Insecticidal Protein Isolated from Lower Plant Biodiversity	SERB, New Delhi	04-May-17	03-May-19
31	GAP 3410	Identification, expression and network analysis of non- coding RNAs (ncRNAs) to understand their role in the regulation of fruit ripening in <i>Musa accuminata</i>	SERB, New Delhi	05-Apr-17	04-Apr-19
32	GAP 3411	Molecular basis of differential phase change in <i>Arabidopsis</i> natural variation	SERB, New Delhi	01-May-17	30-Apr-19
33	GAP 3412	Studies on diversity and systematics of the genus <i>Sonneratia</i> in India using molecular markers	SERB, New Delhi	01-Jun-17	31-May-19
34	GAP 3413	Ecology, Phylogeny and Computational approach of Lichenized and Lichenicolous Fungi in India with emphasis on family Arthoniaceae (Ascomycota: Arthoniales)	SERB, New Delhi	01-May-17	30-Apr-19
35	GAP 3414	Understanding molecular mechanisms to heavy metal stress response using natural variations in <i>Arabidopsis thaliana</i>	DST, New Delhi	01-Apr-17	01-Jun-19
36	GAP 3415	Reducing cold temperature induced damages and biotic stress in betelvine involving humic acid rich vermicompost and ACC deaminase containing microbes	SERB, New Delhi	17-Apr-17	16-Apr-19
37	GAP 3417	Diversity, ecology and conservation of the lichen biota of fragile forest ecosystem in central Western Ghats, Karnataka	SERB, New Delhi	12-Jun-17	11-Jun-19
38	GAP 3429	Remediation and Reclamation of Hexachlorocyclohexane (HCH) Dumpsite by using Microbial Bioremediation Technology	DBT, New Delhi	28-Mar-18	27-Mar-20
39	GAP 3434	To correlate the micro-structures of natural populations <i>Arabidopsis thaliana</i> along the altitudinal range with environmental conditions	DBT, New Delhi	20-Mar-18	19-Sep-19
40	GAP 3436	Contained field studies on distribution and abundance of whitefly larvae on transgenic cotton plants	DBT, New Delhi	20-Mar-18	19-Sep-19
41	GAP 3450	Effect of co-administration of green tea polyphenols with <i>Asparagus racemosus- Withania somnifera</i> phytosomes: Neuro-protective outcomes and modalities in the therapy of ischemia induced neuro-degeneration	SERB, New Delhi	02-Apr-18	29-Apr-19

42	GAP 3457	Elucidating the role of GRAM-domain containing gene(s) in Bacillus amyloliquifaciens-mediated abiotic stress responses in plants	SERB, New Delhi	19-Dec-18	01-May-19
43	GAP 3467	Analysis of arsenic and other multi-elements accumulation in grain of different rice cultivars	Rice Research Station, Chinsurah, Hooghly, West Bengal	19-Aug-19	18-Feb-20
44	GAP 3469	Baselines studies for Ambient Air Quality, Water, Soil, Terrestrial and Aquatic Ecology and Biodiversity in and around Quarry No 4&7 of the abandoned Jaganath Mine vide, Talcher, District Angul, Odisha	NTPC Ltd., Talcher Thermal Power Station, Angul, Odisha	31-Oct-19	28-Feb-20
45	CNP 3046	Evaluation of specific alkaloid rich indigenous germplasm lines/varieties of opium poppy for screening of elite CPS lines	Rusan Pharma Ltd., Mumbai	03-Oct-18	02-Oct-19
46	CNP 3047	Consultancy for Establishment of Biodiversity Park & Krishna Lila Theme Park in Shri Vrindavan Chandrodya Mandir & Group Housing Vrindavan	Hare Krishna Movement Vrindavan Chattikara Road, Vrindavan, Mathura	19-Jul-19	26-Aug-19

GAP - Grant-in-aid Projects

CNP- Consultancy Projects

TSP-Technical Services Projects

MLP-Major Lab Projects

HCP - Headquarter Controlled Projects

TLP-Technology Leadership Project

BSC-Biological Science Cluster

ISC- Information Science Cluster

PSC-Physical Science Cluster

SSP- Sponsored Projects

OLP-Other Lab Projects