

**List of completed schemes/ projects/ programmes 2020-2021 to 2021-22**

S. No.	Project No.	Project title	Funding Agency	Start Date	Comp Date
<b>Completed project during 2020-21</b>					
1	GAP 3384	Microbial roles in yield management of scented rice of North-East, India	DBT, New Delhi	27-Oct-16	18-Apr-20
2	GAP 3393	Metabolomic analysis for isoquinoline alkaloids from therapeutically important genus <i>Berberis</i> L.	SERB, New Delhi	06-Feb-17	05-May-20
3	GAP 3440	Investigation of rice rhizospheric chemistry of arsenic in paddy fields of different agro-climatic zones of Uttar Pradesh	UPCST, Lucknow	15-May-18	14-May-20
4	GAP 3373	Search for elite chemotype(s) of <i>Centella asiatica</i> and their relationship with Ecogeography	NMPB, Ministry of AYUSH, New Delhi	17-May-16	16-May-20
5	GAP 3409	Technology development, management, and long-term monitoring of shifting cultivation and coal mining in north-Eastern India	GB Pant Institute of Himalayan Environment and Development, Almora, Uttarakhand	15-Jul-17	30-Jun-20
6	GAP 3387	Studies on role of endophytes in variation of acaricidal properties of two acaricide producing plant species NBA22/F1 and NBA18/D1 from North-Eastern States	DBT, New Delhi	11-Jan-17	10-Jul-20
7	GAP 3398	Meta-genomic and transcriptomic studies on <i>Termitomyces</i> growing fungal combs of termites found in Assam for bioprospection	DBT, New Delhi	17-Jan-17	16-Jul-20
8	GAP 3408	Characterization of gene(s) responsible for tyloses formation in chickpea during <i>Fusarium oxysporum</i> infection	SERB, New Delhi	08-Jun-17	07-Sep-20
9	GAP 3402	Development Of Plant Based Synergistic Natural Supplement and its Pharmacological Validation to Alleviate Gouty Arthritic Conditions	DST, New Delhi	22-Mar-17	21-Sep-20
10	GAP 3443	A taxonomic revision on pyrenocarpous lichens from India	SERB, New Delhi	04-Apr-18	03-Oct-20

11	GAP 3448	Exploring the role of Calmodulin-binding transcription activators (CAMTA) in Cotton Fiber Development	SERB, New Delhi	06-Apr-18	05-Oct-20
12	GAP 3422	Soil carbon sequestration in tropical deciduous forests of India and it's functional relationship with community structural variables.	DST, New Delhi	23-Oct-17	22-Oct-20
13	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
14	GAP 3386	Chemotyping and molecular profiling of bioactive metabolites in <i>Hemidesmus indicus</i> and <i>Costus speciosus</i> , adapted to different phyto-geographical zones and identification of candidate genes related to metabolic pathways	NASF, ICAR, New Delhi	01-Jan-17	31-Dec-20
15	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
16	GAP 3394	Development of consensus genetic linkage map for <i>Gossypium</i> L. spp. with SNP markers and QTL analysis for fiber traits	DBT, New Delhi	21-Feb-17	20-Feb-21
17	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
18	GAP 3416	Revisionary studies on lichen genera <i>Buellia</i> sensu lato and <i>Rinodina</i> (Caliciales) from India	SERB, New Delhi	12-Sep-17	11-Mar-21
19	GAP 3403	Molecular Systematics of the Genus <i>Betula</i> L. (Betulaceae) in India	SERB, New Delhi	17-Mar-17	16-Mar-21
20	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

21	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
22	GAP 3441	Biotechnological Interventions through RNAi approach for Management of Banana Bunchy Top Virus (BBTV) in North East Region of India	DBT, New Delhi	22-Mar-18	21-Mar-21
23	GAP 3418	Epigenetical effect of <i>Arabidopsis thaliana</i> of West Himalayan populations in response to elevated CO <sub>2</sub> for adaptive advantage	SERB, New Delhi	28-Sep-17	27-Mar-21
24	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
25	NWP 0101	CSIR-KVS Scientist Student Connect Programme -JIGYASA	CSIR	25-Feb-19	31-Mar-21
26	GAP 3390	Plant Diversity Assessment of Dima Hasao district in Assam	ASBB, Guwahati, Assam	04-Feb-17	31-Mar-21
27	GAP 3445	Functional characterization of light-associated factor(s) regulating flavonoid biosynthesis in tomato	DBT, New Delhi	01-Apr-18	31-Mar-21
28	GAP 3490	Certificate Course on Plant Tissue Culture Technique and its application	MoE,F&CC, New Delhi	01-Jan-21	31-Mar-21
<b>Completed project during 2021-22</b>					
1	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
2	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-Sep-21

3	GAP 3427	Identification of targets of the cotton GhNAC2 involved in root growth and abiotic stress tolerance	SERB, New Delhi	17-Mar-18	16-Sep-21
4	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-Sep-21
5	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
6	GAP 3429	Remediation and Reclamation of Hexachlorocyclohexane (HCH) Dumpsite by using Microbial Bioremediation Technology	DBT, New Delhi	28-Mar-18	27-Sep-21
7	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-Sep-21
8	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 Quercus and Citrus from Northeast Region"	DBT, New Delhi	29-Mar-18	28-Sep-21
9	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-Sep-21
10	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
11	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 impa	GB Pant Institute of Himalayan Environment and Development, Almora, Uttarakhand	01-Jan-18	30-Sep-21

12	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
13	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
14	MLP 0054	CSIR Multi- centric Genome Surveillance for COVID-19	CSIR	27-Aug-21	26-Feb-22
15	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-Mar-22
16	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-Mar-22
17	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-Mar-22
18	GAP 3455	Role of an EAR motif repressor, SIERF36, in tomato development and growth	SERB, New Delhi	20-Nov-18	19-Mar-22
19	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-22
20	GAP 3400	Centre of Excellence and Innovation in Biotechnology - Secondary plant product pathway engineering for enhanced nutritional quality and yield	DBT, New Delhi	24-Mar-17	23-Mar-22
21	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
22	GAP 2542	Establishment of ENVIS center on Indicator of Plant Pollution in NBRI	MoEF&CC, New Delhi	01-Jan-03	31-Mar-22

23	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-22
24	GAP 3428	Adaptation strategies of rice varieties of Indo-Gangetic Plains to climate change	DST, New Delhi	16-Mar-18	31-Mar-22
25	GAP 3442	Certificate course on greenbelt development for industries	MoE,F&CC, New Delhi	01-Apr-18	31-Mar-22
26	GAP 3446	Certificate course on pollution monitoring: Soil pollution	MoE,F&CC, New Delhi	01-Apr-18	31-Mar-22
27	CNP 3045	Establishing a world class multipurpose Botanical Garden in Ballarpur, Maharashtra	Govt. of Maharashtra	09-Apr-18	31-Mar-22
28	SSP 2906	Development of Shodhan protocol and preparation of standardised cannabis extracts based AYUSH formulation	HempStreet Medicare Pvt. Ltd., Gurgaon	01-Feb-20	31-Mar-22
29	MLP 0034	Testing of COVID-19	CSIR	29-May-20	31-Mar-22
30	GAP 3484	U.P. State COVID-19 project at CSIR-NBRI, Lucknow	Govt. of Uttar Pradesh, Lucknow	23-Jul-20	31-Mar-22
31	MLP 0052	Preparation of certified reference materials of important phytomolecules	CSIR	24-Jul-20	31-Mar-22
32	MLP 0051	Field trial for early maturity of cotton using Anacardic Acid formulation and CIB registration of the product	CSIR	24-Jul-20	31-Mar-22
33	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
34	MLP 0053	Development of processes for edible and industrial dyes from plant sources for enhanced income	CSIR	24-Jul-20	31-Mar-22
35	HCP 0101	Pilot Implementation of "CSIR-Virtual Laboratory (for school student)	CSIR	02-Dec-20	31-Mar-22
36	HCP 0007	CSIR Aroma Mission-IIInd Phase: Catalyzing rural empowerment through cultivation processing, value addition and marketing of aromatic plants	CSIR	30-Dec-20	31-Mar-22