

BOTANICAL SURVEY OF INDIA

ANNUAL RESEARCH PROGRAMMES (ARP)

2026-27



Botanical Survey of India
Ministry of Environment, Forest and Climate Change
Government of India
Kolkata- 700064

AJC BOSE INDIAN BOTANIC GARDEN, HOWRAH

| Sl. No. | Name of the Project | Period | Quantifiable deliverables for 2026-27 |
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| 1. | <p>Introduction and ex-situ conservation of RET species in AJC Bose Indian Botanic Garden</p> <p>All staff members of AJCBIBG up to the level of Preservation Asst. cum Garden Overseer</p> | Ongoing | <p>Q1. Introduction and maintenance of Endemic and threatened species to be collected from Andaman & Nicobar Islands, Western Ghats, Eastern Ghats, North East India and Central India.</p> <p>Q2. 04 field tours (Andaman & Nicobar Islands (01), Western Ghats (01), North East India (01) and Central India & Western Odisha (01)).</p> <p>Q3 - Q4. Maintenance of Endemic and threatened species collected and introduced.</p> <p><i>Note: 61 Endemic and threatened species to be collected.</i></p> <p>Total tours: 04</p> |
| 2. | <p>Ex-situ conservation, Propagation Techniques and Taxonomic studies of the Genus <i>Thunbergia</i> Terz. (Acanthaceae) in India</p> <p>Dr. J. Swamy, Scientist C, Shri R. D. Barnam, Bot. Asst. #Dr. Devendra Singh, Scientist E</p> | 2024-2027 | <p>Q1-Q2. Ex-situ conservation, Propagation Techniques and Taxonomic studies of the remaining species.</p> <p>Q3. One field tour to Western Ghat [Tamil Nadu, Kerala (Nilgiri biosphere Reserve, Sathyamangalam Forest Division, Shevaroy hills, Eravikulam National Park Coimbatore, Quilon, Trivandrum and their adjoining areas)]</p> <p>Q4. Preparation and submission of final report.</p> <p>Total Tours: 01</p> |
| 3. | <p>Floristic Diversity and Ethnobotanical Studies of Mayurjharna Elephant Reserve, West Bengal, India</p> <p>Dr. Rahul Deb Barman, Botanical Assistant, #Dr. Devendra Singh, Scientist- 'E'</p> | 2025-2027 | <p>Q1. Study of the previous collections.</p> <p>Q2. Two field tours to Purulia, Jhargram, Bankura districts for survey and collection of plants specimens. Identification and documentation of previously collected specimens. Documentation of the plants for Elephant fodder.</p> <p>Q3. One field tour to Purulia, Jhargram, Bankura districts for survey and collection of plants specimens. Identification and documentation of previously collected specimens. Documentation of the plants for Elephant fodder.</p> <p>Q4. Identification and documentation of previously collected specimens. Documentation of the plants for Elephant fodder.</p> <p>Total tours: 03</p> |
| 4. | <p>Enrichment of Wild Edible Fruit Section of AJC Bose Indian Botanic Garden, Howrah by introduction of Fruit Tree Species from West Bengal</p> <p>Dr. J. Swamy, Scientist-C, Mr. Bishnu Charan Dey, Botanist, Mr. Dhrubojyoti Roy, Bot. Asstt</p> <p><i>New Project</i></p> | 2026-2028 | <p>Q1. One field tour to Purulia, Jhargram, districts for survey, collection and documentation of Wild edible fruit tree species</p> <p>Q2. Study of the previous collections.</p> <p>Q3. One field tour to be undertaken to Malda and Dinajpur districts for survey, collection and documentation of Wild edible fruit tree species</p> <p>Q4. Study of the previous collections.</p> <p>Total tours: 02</p> |

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| 5. | <p>Ex-situ Conservation and Sustainable Development of Euryale ferox (Makhana) at A.J.C. Bose Indian Botanic Garden, Howrah</p> <p>Dr. R. Saravanan, Botanist, AJCBIBG Mr. Sattom Dasgupta, Preservation Assistant cum Garden Overseer</p> <p><i>New Project</i></p> | 2026-2028 | <p>Q1. One Field tour to NRCM, Bihar (Darbhanga and Surrounding area) for germplasm collection of Makhana from field.</p> <p>Q2.Development of tarpaulin-lined artificial water beds and Introduction of seedlings into different ponds at AJCBIBG, maintenance and conservation</p> <p>Q3. One Field tour to NRCM and different parts of Bihar (Madhubani and surrounding areas) for the growth analysis and maintenance of Makhana in field. Propagation and Cultivation Standardization through trials on varying water depths, planting densities and nutrient regimes in both pond and tarpaulin systems.</p> <p>Q4.Study of seed dormancy, pre-sowing treatments and germination enhancement methods.</p> <p>Total tours: 02</p> |
| ANDAMAN & NICOBAR REGIONAL CENTRE, SRI VIJAYA PURAM | | | |
| 6. | <p>Macrofungi of Andaman group of Islands</p> <p>Dr. Mahadevakumar, S. Scientist C</p> | 2023-2027 | <p>Q1. One field tour to be undertaken.</p> <p>Q2. One Herbarium Consultation Tour to JNTBGRF, KFRI and Calicut University for Literature survey, listing of Genera and species are in progress</p> <p>Q3. Morphological characterization and relevant study of collected specimens.</p> <p>Q4. Compilation and Submission of Final Report</p> <p>Total tours:02 (01FT+01HCT)</p> |
| 7. | <p>Diversity and community structure of seaweeds and their associated diatoms in the coasts of Andaman and Nicobar Island, India</p> <p>Dr. Sudipta Kumar Das, Scientist E Mr. Gautam Anuj Ekka, Botanical Assistant</p> <p><i>New Project</i></p> | 2026 -2029 | <p>Q1. Literature survey, listing of Genera</p> <p>Q2. One field tour to be undertaken to Great Nicobar Island.</p> <p>Q3. One field tour to be undertaken to Little Andaman for sample collection.</p> <p>Q4. One field tour to be undertaken to South Andaman and One herbarium consultation tour to ARI, Pune for 15 days.</p> <p>Total tours:04 (03FT+01HCT)</p> |
| 8. | <p>Flora of Long Island, Andaman and Nicobar Islands</p> <p>Dr. Lal Ji Singh, Scientist-F Dr. Midigesi Anil Kumar, Botanist Shri Gautam Anuj Ekka, Botanical Assistant</p> <p><i>New Project</i></p> | 2026 -2029 | <p>Q1. Literature survey and necessary forest permissions. One Field Tour to Long Island.</p> <p>Q2. One field tour for Long Island</p> <p>Q3. Study of the previously collected specimens.</p> <p>Q4. One field tour for Long Island and compilation of report.</p> <p>Total tours:03</p> |

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| 9. | Ethnobotanical Studies of the Great Andamanese of the Andaman & Nicobar Islands Dr. Pankaj A. Dhole, Botanist Dr. Lal Ji Singh, Scientist-F <i>New Project</i> | 2026 -2028 | Q1. Literature collection, necessary permission from A&N Administration (DC & Police), Andaman Adim Janjati Vikas Samitie (AAJVS), Andaman and Nicobar Tribal Research Institute (ANTRI) and forest department etc. Q2. One field tour to Strait Island. Q3. One field tour to Strait Island. Q4. One field tour to Strait Island. Total tours:03 |
| 10. | Documentation, polyphasic characterization and nutritional profiling of edible macro-algae from Eastern India Dr. Sudipta Kumar Das, Scientist E, Dr. Sukumar Bhakta, Scientist B Ms. Seunti Chaudhury, Bot. Asst., <i>New Project</i> | 2026 -2029 | Q1. Literature survey and necessary forest permissions. Q2. One field tour to be undertaken to Sundarban of West Bengal. Q3. One field tour to be undertaken to Chilika Lake and Southern Odisha. Q4. One field tour to be undertaken to Northern Odisha. Total tours:03 |
| ARUNACHAL PRADESH REGIONAL CENTRE, ITANAGAR | | | |
| 11. | Metadata preparation and Digitization of ARUN Herbarium Dr. Ranjit Daimary, Botanist | Ongoing | Q1. Metadata preparation and digitization of 7500 herbarium specimens. Q2. Metadata preparation and digitization of 7500 herbarium specimens. Q3. Metadata preparation and digitization of 7500 herbarium specimens. Q4. Metadata preparation and digitization of 7500 Herbarium specimens. |
| 12.* | Taxonomic studies on Wild edible Mushrooms of Arunachal Pradesh Dr. Arvind Parihar, Scientist-C (transferred to AZRC, Jodhpur) | 2023-2026 <i>Extended upto 30th September, 2026</i> | Q1-Q2. Comprehensive descriptions of all remaining specimens to be completed, and submission of final report. <i>Note: The report to be submitted by September, 2026.</i> |
| 13. | Flora of Yordi Rabe Wildlife Sanctuary, Arunachal Pradesh Dr. Ranjit Daimary, Botanist Shri Arijit Ghosh, Botanical Assistant <i>New Project</i> | 2026-29 | Q1. One field tour to study area for collection of plant specimens. Study of literature. Q2. One field tour to study area for collection of plant specimens. Q3. Identification, nomenclature and documentation of plant species. Q4. One field tour to study area for collection of plant specimens. Total tours: 03 |
| 14. | Floristic Analysis and Vegetation Dynamics of West Kameng District, Arunachal Pradesh Dr. Chandramohan K., Scientist B Dr. Krishna Chowlu, Scientist D Dr. Satya Ranjan Talukdar, Botanical Assistant <i>New Project</i> | 2026-29 | Q1. One field tour to study area. Generation of sample plots, Literature survey. Q2. One field tour to study area. Q3. One field tour to study area. Q4. One field tour to study area. Total tours: 04 |

| ARID ZONE REGIONAL CENTRE, JODHPUR | | | |
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| 15.* | Grasses of Rajasthan Dr. Pushpa Kumari, Scientist-E | 2023-2026 <i>Extended up to 30th September, 2026</i> | Q1. One herbarium consultation tour to BSD and DD. Q2. One field tour. One herbarium consultation tour to CAL. Identification of specimens and submission of the report. Total tour: 03 (FT: 01, HCT: 02) <i>Note: The final report to be submitted by September, 2026.</i> |
| 16. | Vegetation of Indian desert of Rajasthan and Gujarat: present scenario, GIS mapping and IUCN Assessment of Endemic, Endangered and regionally rare species 1. Dr. C. S. Purohit, Scientist D 2. Dr. S. L. Meena, Scientist-E 3. Ramesh Kumar, Bot. Asstt. 4. Amit Kumar, Sr. Pres. Asstt. | 2023-2027 | Q1. One field tour to the study area; processing and identification of Herbarium specimens collected in the previous tour. Q2. One field tour to the study area; processing and identification of Herbarium specimens collected in the previous tour. Q3. Processing & identification of Herbarium specimens collected in the previous tour. Q4. Identification of Herbarium specimens and assessment of species. Editing and submission of final report. Total Tours: 02 |
| 17. | Floristic studies in Ramgarh Vishdhari Tiger Reserve, Rajasthan, India Dr. Rajeev Kumar Singh, Botanist Dr. S.L. Meena, Scientist E Mr. Ramesh Kumar, Bot. Asstt. | 2024-2027 | Q1. Study of the specimens collected in earlier tours. Q2. One field tour , identification of specimens collected in earlier tours. Q3. One field tour , identification of specimens collected in earlier tours. Q4. Identification of specimens collected in earlier tours. Finalisation and submission of report. Total tours: 02 |
| 18. | Maintenance and conservation of selected Economically important, Endemic and Threatened species of the Arid region 1. Dr. S. L. Meena, Scientist-E 2. Dr. C. S. Purohit, Scientist-D 3. ShriAmit Kumar, Sr. Pres. Asstt. | Ongoing | Q1- Q4. Maintenance and conservation of Economically important, Endemic and Threatened species of the arid region in the experimental Garden of AZRC. <i>(Note: No separate tour will be given but to be clubbed with other projects)</i> |
| 19. | Metadata preparation and digitization of herbarium specimens 1. Dr. R. K. Singh, Botanist 2. Dr. P. K. Deroliya, Bot. Asstt. 3. Shri Ramesh Kumar, Bot. Asstt. 4. Shri Amit Kumar, Sr. Pres. Asstt. | Ongoing | Q1-Q4. 1. Completion of metadata of herbarium specimens 2. Digitization of 2400 herbarium specimens (600 per quarter by each). 3. Identification of 40 unidentified specimens, accession and incorporation in every quarter. (10 specimens by each). |

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| 20.* | <p>Landscape analysis and floristic diversity of Keoladeo national park and Sāmbhar lake Ramsar sites of Rajasthan, India.</p> <p>Dr. Ravi Kiran Arigela, Scientist-C, Dr. S.L. Meena, Scientist – E, Dr. Purushottam Kumar Deroliya, Bot. Asst.</p> | <p>2023-26</p> <p><i>Extended upto 30th September, 2026</i></p> | <p>Study of the remaining specimens. Finalization and submission of the report.</p> <p><i>Note: The report to be submitted by September, 2026.</i></p> |
| 21. | <p>Floristic Diversity of Shergarh Wildlife Sanctuary, Rajasthan (India)</p> <p>Dr. Purushottam Kumar Deroliya, Bot. Asst. Dr. S. L. Meena, Scientist E Shri Surendra Kumar Sharma, Bot. Asst.</p> <p><i>New Project</i></p> | 2026–2029 | <p>Q1. Literature survey, collection of reference and herbarium (BSJO) consultation..</p> <p>Q2. One field tour to study area.</p> <p>Q3. Identification of specimens.</p> <p>Q4. One field tour to study area.</p> <p>Total tours:02</p> |
| 22. | <p>Diversity of Ferns and Fern Allies of Gujarat and Rajasthan with Assessment of the IUCN Conservation Status and molecular data analysis of some selected Threatened Species</p> <p>Dr. Vineet Kumar Rawat, Scientist E Mr. Surendra Kumar Sharma, Botanical Assistant</p> <p><i>New Project</i></p> | 2026–2029 | <p>Q1. Review of Literature & Mapping of both states Procurement of Forest Dept. permissions. One Herbarium Consultation tour to CNH & WRC.</p> <p>Q2. One field tour to both states Rajasthan & Gujarat.</p> <p>Q3. One field tour both states Rajasthan & Gujarat.</p> <p>Q4. Collection, identification, Inventorisation & Mapping of both states.</p> <p>Total tours: 03 (02 FT & 01 HCT)</p> |

| BOTANIC GARDEN OF INDIAN REPUBLIC, NOIDA | | | |
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| 23. | <p>Mass germination and multiplication of Horticultural and ornamental plants/ season flowers in BGIR.</p> <p>1. Dr. Sandeep Kr. Chauhan, Scientist-F 2. Mr. Yogesh Lahane, Botanist</p> | Ongoing | <p>Q1. Preparation of Inventory of available ornamental and Horticulture plants in BGIR Collection and Germination/Multiplication of about 20 ornamental plants species and annual flower seed germination (30 No varieties)</p> <p>Q2. Enrichment of existing fruit sections by introducing hybrid cvs of fruits (15 no) in fruit section. Collection and Germination/Multiplication of about 20 ornamental plants species and annual flower seed germination (10 No varieties)</p> <p>Q3. Introducing low chill sub-temperate fruit varieties (20 no) in fruit section. Collection and Germination/Multiplication of about 25 ornamental plants species and annual flower seed germination (20 No varieties)</p> <p>Q4. Preparation of separate nursery for mass scale production of ornamental and seasonal plants and flowers.</p> |
| 24. | <p>Maintenance of existing Forest Types and Phytodiversity at BGIR Noida</p> <p>1. Dr. Priyanka A. Ingle, Scientist-D 2. Mr. Yogesh Lahane, Botanist</p> | Ongoing | <p>Q1 – Q4. Maintenance of the existing plants of forest zones (1-8) and net houses of BGIR. Recording phenology of the plants (flowering and fruiting-20 spp.). Pollination studies of a minimum of 2 plant species/each quarter. Inventory preparation of existing plants spp as planted in last 15 years (entire zones). Viability status of plants spp., planted in last 5 years in various sections an inventory thereof.</p> |
| 25. | <p>Maintenance of Herbarium, Collection of endemic plant species the garden, preparation of database of endemic species introduced at BGIR Noida.</p> <p>Dr. Sameer Patil, Botanist</p> <p><i>(Note: Project PI name changed due to transfer of Ms L. I. Chanu, Botanist from BSI, BGIR, Noida to NRC, Dehradun)</i></p> | 2025-2027 | <p>Q1-Q4. Regular maintenance of Herbarium, Collection of endemic plant species the garden, and preparation of database of endemic species introduced at BGIR Noida.</p> |
| 26. | <p>Collection of seeds from existing garden and its maintenance, development of nurseries, Seed bank lab unit and studies of seed germination protocol of endemic and threatened plant species vis a vis setting of Plant conservatoires and vermin composting unit at BGIR Noida</p> <p>1. Dr. Sandeep Kr. Chauhan, Scientist F 2. Dr. Sameer Patil, Botanist 3. Dr. Puneet Kumar, Scientist-D</p> | 2026-2029 (Phase II) | <p>Q1 – Q4: Seed collection of plant spp. (including threatened plants); Preparation of defined seed germination Methodology for endemic & threatened plant spp. Preparation of Seed data base. 25000 seedlings to be raised and maintained.</p> <p><i>Note: List of the target species not less than 50 species.</i></p> |

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| 27. | <p>Diversity, Utilization and conservation of Wild Edible Plants in North Western Himalaya (Himachal Pradesh and Jammu & Kashmir)</p> <ol style="list-style-type: none"> 1. Dr. Sandeep Kr. Chauhan, Scientist F & HOO, BSI, BGIR, Noida 2. Dr. Ambarish Kumar, Scientist F & HOO, HAWHRC, Solan 3. Dr. Sameer Patil, Botanist 4. Sh. Suman Halder, Botanist, BSI, BGIR, Noida 5. Mrs. Priyanka, Botanical Assistant, BSI, BGIR, Noida | 2025-2029 | <p>Q1. One field tour to Sirmaur, Shimla, Kinnaur, Lahul&Spiti</p> <p>Q2. One field tour to Ganderbal, Doda, Baramulla, Udhampur</p> <p>Q3. One field tour to Kullu (GHNP), Parvati Valley</p> <p>Q4. Identification of specimens collected in tours.</p> <p>Total tours: 03</p> |
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CENTRAL BOTANICAL LABORATORY, HOWRAH

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| 28. | <p>Flora and Ethnobotany of Debrigarh Wildlife Sanctuary, Bargarh district, Odisha</p> <p>Dr. Manas Rajan Debta, Scientist-‘D’ Dr. D.K. Agrawala, Scientist-‘E’ Dr. S. S. Dash, Scientist-‘F’</p> | 2024-2027 | <p>Q1. One field tour; identification of collected specimen and their description</p> <p>Q2. One field tour; identification of collected specimen and their description. One Herbarium Consultation Tour to RRL-B, Bhubaneswar</p> <p>Q3. Identification of collected specimen and description of the identified taxa.</p> <p>Q4. Description of all the taxa to be completed; Finalization and Submission of the manuscript.</p> <p>Total tours: 03 (02 FT & 01 HCT)</p> |
| 29. | <p>Evaluation of Nutraceutical properties of Northeast India</p> <p>Total 30 species</p> <p>Dr. Basundhara Pillai, Botanist Dr. Rajib Gogoi, Scientist F</p> <p><i>New Project</i></p> | 2026-2029 | <p>Q1.-Q4. Specimen consultation with Proximate, composition, Antioxidant properties, Amino acid content, Ant nutritive composition.</p> <p>Ten plants will be studied in each year.</p> |

CENTRAL NATIONAL HERBARIUM, HOWRAH

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| 30.* | <p>Molecular phylogeny, morphology and taxonomy of Boletoid mushrooms in India</p> <p>Dr. Kanad Das, Director Dr. Sudeshna Datta, Scientist B</p> | <p>2022-2028</p> <p><i>Extended upto 31st March, 2028</i></p> | <p>Q1. Study of the previous collections.</p> <p>Q2. One (1) field tour to North & West districts of Sikkim covering various forested areas of Lachung, Dombang Valley, Singba Rhododendron sanctuary, Yumthang, Lachen, Zema 1 to Zema 4, Okhrey, Hilley, Barsey, Thangu</p> <p>Q3 - Q4. Study of the previous collections.</p> <p>Total tour: 01</p> <p><i>Note: The report to be submitted by March, 2028.</i></p> |
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| 31.* | Taxonomic Revision of <i>Meconopsis</i> Vig. (Papaveraceae) in India Dr. Kumar Avinash Bharati, Scientist-D Dr. Anand Kumar, Botanist Dr. Rajib Gogoi, Scientist F | 2023-2027 <i>Extended up to 31st March, 2027</i> | Q1. Morphological characterization of specimens. Q2. Two field tours to Jammu & Kashmir and Sikkim, Darjeeling district of West Bengal for collection of plant specimens. Q3. Extraction of DNA, PCR amplification from collected samples. Sequencing & Analysis. Completion of description of collected species. Q4. Preparation of Manuscript and submission. Total Tours: 02 <i>Note: The report to be submitted by 31st March, 2027.</i> |
| 32.* | Taxonomic Revision of <i>LIGULARIA</i> Cass (Asteraceae) in India Dr. Partha Pratim Ghoshal, Botanist Dr. Shyam Biswa, Botanical Assistant | 2023-2027 <i>Extended up to 31st March, 2027</i> | Q1. One field tour in Sikkim especially the North Sikkim. Integration of Molecular Systematic: Collection of silica dried plant tissues (leaves) for genetic sequencing. Q2. Identification of collected specimens and morphological characterization of specimens. Extraction of DNA, PCR amplification from collected tissues. Q3. Sequencing & Analysis. Deposition. Completion of description of collected species. Preparation of Key. Q4. Preparation of Manuscript and submission. Total tours: 01 <i>Note: The report to be submitted by 31st March, 2027.</i> |
| 33. | Systematic study of the genus <i>Dalbergia</i> L. f. (Fabaceae) in India using morphological and molecular methods Dr. Avishek Bhattacharjee, Scientist-E, Dr. Ranjith Loyola M R, Botanist, Mr. Sudipta Sardar, Botanical Assistant | 2025-2028 | Q1. One tour to South India or Eastern Himalayas Q2. Study of the previous collections. Q3. Study of the previous collections. Q4. One tour to South India or Eastern Himalayas Total tours: 02 |
| 34. | Molecular characterization and Phylogenetic analysis of the genus <i>Poa</i> L. from India Dr. K. Althaf Ahamed Kabeer, Dr. Harminhjer Singh, Bot. Asst. Mrs. Ruma Bhadra Sarkar, Senior Preservation Asst. <i>New Project</i> | 2026-2029 | Q1. Study of literature and herbarium collections. Q2. One field tour to be undertaken to Arunachal Pradesh, Assam & Meghalaya for study of relevant literature earlier published and available Herbarium specimens at CAL and other herbaria. Q3. Identification of specimens and documentation of species collected from field tour and extraction of DNA from collected samples with molecular marker analysis. Q4. Extraction of DNA from collected samples with molecular marker analysis. Total tours:01 |

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| 35. | Cyperaceae of Bihar Dr. Yarrayya, K., Scientist B <i>New Project</i> | 2026-2029 | Q1. Study the Herbarium specimens available in CAL. Q2. Study the Herbarium specimens available in CAL. Q3. One field tour to Valmiki National park (West Champaran), Udaypur Wildlife Sanctuary (Champaran), Kaimur Wildlife Sanctuary, Bhimbandh WLS of Bihar for collection, identification & microscope. Q4. One Herbarium Consultation Tour to be undertaken to T. M. Bhagalpur University Herbarium, Bhagalpur, for preparation of check list based on previous works. Total tours:02 (01FT+ 01 HCT) |
| 36. | Taxonomic study on the genus <i>Potentilla</i> L. (Rosaceae) in India with special reference to Indian Himalayan Region Dr. S.S. Dash, Scientist-F & In-charge, Technical Section, BSI-HQ Dr. Rajib Gogoi, Scientist F, Shri Narender Kumar Negi, Botanical Assistant, BSI <i>New Project</i> | 2026-2029 | Q1. Study of literature and herbarium collections. Q2. Two filed tour - One field tour to Eastern Himalayan region (Sikkim) and second tour to Eastern Himalayan region (Arunachal Pradesh). Q3. Specimen processing and identification Q4. One Herbarium Consultation tour at ARUN and BSHC for preparation of baseline data, literature survey, herbarium consultation. Preparation of annual report. Total tours: 03 (02FT+01HCT) |
| 37. | Morpho-taxonomic and phylogenetic revision of <i>Saxifraga</i> L. (Saxifragaceae) in India Dr. Kumar Abinash Bharati, Scientist D, Dr. Anand Kumar, Botanist Mr. Arka Banerjee, Senior Preservation Assistant, <i>New Project</i> | 2026-2029 | Q1. Preparation of the list of <i>Saxifraga</i> spp. Based on herbarium specimens and literature studies. Q2. One field tour to be undertaken to Sikkim with herbarium consultation at BSHC. Q3. One HCT tour to Assam for Morpho-taxonomic and molecular studies of collected specimens. Q4. Morpho-taxonomic and molecular studies of collected specimens Total tours:02 (01 FT + 01 HCT) |
| CENTRAL REGIONAL CENTRE, PRAYAGRAJ | | | |
| 38. | Flora of Amangarh Tiger Reserve, Bijnor, Uttar Pradesh Dr. Onkar Nath Maurya, Scientist-E (posted at BSI HQ, Kolkata) Mr. Anurag Kesharwani, Bot. Asst. Mr. Saugata Roy, Bot. Asst. | 2024-2027 | Q1. Identification of remaining 73 field nos from previous collection. One field tour to be undertaken. Q2. Study and Identification of collected specimens. Q3. One field tour to be undertaken Q4. Preparation of manuscript for submission in March, 2027. Total tours: 02 |
| 39. | Flora of Madhav National Park, Shivpuri (Madhya Pradesh) Dr. Sanjay Mishra, Scientist-‘D’ | 2024-2027 | Q1. Identification and documentation of specimens collected in the previous tours. Q2. One field tour of the area. Q3. One herbarium consultation tour to NBRI, Lucknow. Q4. One field tour of the area and Finalization and Submission of Manuscript. Total tours: 03 (02 FT & 01 HCT) |

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| 40. | Pictorial Flora of Madhya Pradesh (Ranunculaceae to Poaceae) Dr. Vinay Ranjan, Scientist-E, Dr. O.N. Maurya, Scientist-E, Dr. Sanjay Mishra, Scientist-D Smt. Neelima A. M, Bot. Assistant Shri. B. Lakshmanudu, Senior Preservation Assistant | 2024-2027 | Q1. Identification and documentation of specimens collected in the previous tours. Q2. One field tour of the area. Q3. One field tour of the area. Q4. One field tour of the area and Finalization and Submission of Manuscript. Total tours: 03 |
| 41. | Digitisation of herbarium holdings of 'BSA' – Botanical Survey of India, Central Regional Centre, Prayagraj Dr. Sanjay Mishra, Scientist'D' Dr. S. Muthukumar, Botanist Smt. Neelima A. M, Botanical Assistant Shri. B. Lakshmanudu, Senior Preservation Assistant | Curatorial | Q1. Regular maintenance of herbarium, Preparation of database and incorporation of metadata of all digitised herbarium, specimens. Digitization of herbarium. Scanning of specimens – 4000. Proof reading – 4000 specimens (back log from 2024-25) Q2. Regular maintenance of herbarium, Preparation of database and incorporation of metadata of all digitised herbarium, specimens. Digitization of herbarium. Scanning of specimens – 4000. Proof reading – 4000 specimens (back log from 2024-25) Q3. Regular maintenance of herbarium, Preparation of database and incorporation of metadata of all digitised herbarium, specimens. Digitization of herbarium. Scanning of specimens – 4000. Proof reading – 4000 specimens (back log from 2025-26) Q4. Regular maintenance of herbarium, Preparation of database and incorporation of metadata of all digitised herbarium, specimens. Digitization of herbarium. Scanning of specimens – 4000. Proof reading – 4000 specimens (back log from 2025-26). |
| 42. | Documentation on Phyto-Diversity in Fragile Ecosystem of Kopra Reservoir (KopraJalashay)– a Ramsar Site in the Bilaspur, Chhattisgarh Dr. Vinay Ranjan, Scientist- 'E' Ms. Neelima, A.M., Botanist B. Lakshmanudu, Sr. Preservation Assistant <i>New Project</i> | 2026 - 2027 | Q1. Literature collection & herbarium consultation BSA. Q2. Literature collection & herbarium consultation BSA. Q3. One field tour to study area. Q4. One field tour to study area & Finalization and submission of manuscript. Total tours:02 |

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| 47. | Floristic diversity and Ethnobotany of Goramanda Sacred grove, Alluri Sitharama Raju District, Eastern Ghats of Andhra Pradesh, India. Dr. Sankararao Mudadla, Scientist-D (Area 280 sq.km) | 2025-2027 <i>Extended up to 31st March, 2027</i> | Q1-Q2: Study of the previous collections. Q3: One field tour to study area. Q4: Finalization and submission of the final report. Total tours: 1 <i>Note: The report to be submitted by 31st March, 2027.</i> |
| EASTERN REGIONAL CENTRE, SHILLONG | | | |
| 48. | Maintenance of the Experimental Botanic Garden, BSI, ERC, Barapani 1. Mr. B. B. T. Tham, Botanist 2. Shri L. R. Meitei, Bot. Asst. | Ongoing | Q1. Regular maintenance of the Garden & 1 Local plant collection tour for Enrichment, Replenishment and New addition to Botanic Garden Collection if any Q2. Regular maintenance of the Garden & 1 Local plant collection tour for Enrichment, Replenishment and New addition to Botanic Garden Collection if any Q3. Regular maintenance of the Garden & 1 Local plant collection tour for Enrichment, Replenishment and New addition to Botanic Garden Collection if any Q4. Regular maintenance of the Garden & 1 Local plant collection tour for Enrichment, Replenishment and New addition to Botanic Garden Collection if any Total tour: 04 local tours. |
| 49. | Backlog clearance of unidentified Herbarium sheets at ASSAM. 1. Smti. Nandita Sarma, Bot Asstt., 2. Shri. Vijay, Bot Asstt., 3. Smti. Debala Tudu, Bot Asstt, 4. Shri. C. S. Kazipyo, Bot. Asstt. 5. Shri. Harekrushna Swain, Sr. Preservation Asstt., 6. Shri. Y Mahesh, Sr. Preservation Asstt. 7. Shri Rickertre Lytan, Sr. Preserv. Asst. 8. Shri Pramod Meena, Preservation Asst. cum Garden Overseer. Under the supervision of Dr. N. Odyuo, Sci-E & HoO. | Ongoing | Q1. Segregation of herbarium sheets. Collecting the field related information whose field books are not available. Data entry of herbarium sheets. Identification of 700 plants. Fumigation & incorporation of identified sheets. Q2. Identification of 700 plants fumigation & incorporation of them. Q3. Identification of 700 plants fumigation & incorporation of them. Q4. Identification of 700 plants & fumigation & incorporation of them. Preparation & submission of final report. |
| 50.* | Morphotaxonomy and Molecular Phylogeny of Wild edible Mushrooms of Meghalaya Dr. Dyutiparna Chakraborty, Scientist –C Ms. DebalaTudu, Bot Asst. | 2023-2026 <i>Extended upto 30th September, 2026.</i> | Q1: One Tour to Eastern West Khasi Hills and Jaintia Hills. Q2-Q4. Identification of the earlier collections. Preparation & submission of final report. Total tour: 01 <i>Note: The report to be submitted by September, 2026.</i> |

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| 51.* | Trees of Meghalaya, India Dr. N. Odyuo, Scientist-‘E’ Dr. R. Kottaimuthu, Scientist‘C’ Mr. B.B.T. Tham, Botanist Dr. Y. Mahesh, Senior Preservation Assistant | 2024-2027 <i>Extended up to 31st March, 2027.</i> | Q1. Study of the earlier collections Q2. One tour to Garo Hills Q3 - Q4. Preparation & submission of final report. Total tours: 01 <i>Note: The report to be submitted by March, 2027.</i> |
| 52.* | Documentation of parasitic Angiosperms of Meghalaya, India Dr. R. Kottaimuthu, Scientist-‘C’ Dr. Y. Mahesh, Senior Preservation Assistant Dr. Harekrushna Swain, Senior Preservation Assistant | 2024-2026 <i>Extended upto 30th September, 2026.</i> | Q1. One combined field tour to Garo Hills along with “Trees of Meghalaya project” Q2. 1. To Identify all the remaining unidentified specimens 2. One last attempt to collect <i>Sapria himalayana</i> , <i>Mitrastemon yamamotoi</i> , <i>Pedicularis</i> spp. 3. To prepare taxonomic keys, detailed citation, description, specimen examine details for remaining species 4. To prepare color photo plates for available species 5. To prepare final report and submit to BSI HQ. Total tour: 01 <i>Note: The report to be submitted by September, 2026.</i> |
| 53.* | Phylogeny and evolutionary history of the genus <i>Magnolia</i> L. (Magnoliaceae) in India Dr. David Lalsama Biate, Scientist–D | 2024-2026 <i>Extended upto 30th September, 2026.</i> | Q1: Local tours only <ul style="list-style-type: none"> • Survey and collection tour to Assam and Nagaland during Q4 of 2025-26 • PCR amplification of collected specimens using primers nuclear PHYA and chloroplast <i>ndhF</i> • DNA sequencing and analysis • Final manuscript and submission • Morphological and molecular characterization of specimens to be collected during Q4 of 2025-26. Q2: Preparation & submission of final report. <i>Note: The report to be submitted by September, 2026</i> |
| 54. | Unveiling ectomycorrhizal mushroom diversity of Meghalaya using integrated morphotaxonomy, molecular phylogeny and their conservation through culture collections Dr. Dyutiparna Chakraborty, Scientist C Ms. Debala Tudu, Botanical Assistant <i>New Project</i> | 2026-2029 | Q1. Literature consultation will be done. Few short pre monsoon tours to the forested areas of East Khasi Hills. Q2. Three field tours to be undertaken for Macrofungal survey to North Garo Hills, West Jaintia Hills and Upper Shillong Reserve Forest and their adjoining forested areas. Q3. Standardization of DNA extraction protocol from the freshly collected specimens will be done. Q4. Thorough micro-morphological characterization and one to multigene molecular phylogeny will be conducted with the collected samples. Total tours: 03 |

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| 55. | Mass multiplication, maintenance and micropropagation of EET plants of North East India Dr. David Lalsama Biate, Scientist D Dr. Dyutiparna Chakraborty, Scientist-C Smt. Dawanri Marwein, Senior Preservation Assistant <i>New Project</i> | 2026-2029 | Q1. Three field tours (Local) to be undertaken for literature survey of selected EET plants. Q2. Three field tours (Local) to be undertaken for the collection of plant materials. Q3. Screening of plant growth regulators for direct and indirect organogenesis in different explants of the selected species. Q4. Proliferation of cultures in the optimal medium and PGRs concentrations. Total tours:06 (Local) |
| HIGH ALTITUDE WESTERN HIMALAYAN REGIONAL CENTRE, SOLAN | | | |
| 56.# | Ecological and Ethnobotanical status of Medicinal and Aromatic Plants of Ladakh (U.T.), India # Dr. Kuldip S. Dogra, Scientist-E Dr. Kumar Ambrish, Scientist-F Shri Brajesh Meena, Bot. Asstt. | 2024-27 | Q1. Collection and documentation of associated traditional knowledge and ethnobotanical status of medicinal and aromatic plant species. Q2. One Field tour to Ladakh. Q3. Compilation of data as per the format. Q4. Qualitative and quantitative analysis of medicinal and aromatic plant species. Total tours:01 <i>Note: The project report will be submitted by Dr. Kumar Ambrish, Scientist-F due to transfer of Dr. Kuldip S. Dogra, Scientist-E from Solan to DRC, Hyderabad)</i> |
| NORTHERN REGIONAL CENTRE, DEHRADUN | | | |
| 57. | Curatorial works and maintenance of the garden of NRC, Dehradun Dr. S. K. Singh, Scientist-F Dr. Puneet Kumar, Scientist-D Shri. Subhasmit Bhattacharya, Bot. Asstt. Dr. Harminder Singh, Botanical Asst. | Ongoing | Q1-Q4. Collection of germplasm for ex situ conservation; regular maintenance of different sections of garden. |
| 58.* | SEM studies of spores of Fern & Fern allies of Western Himalaya. Dr. Brijesh Kumar, Scientist-C, Dr. S. K. Singh, Scientist-F Ms. Latika Sagarwal, Bot. Asstt. | 2023-2027 <i>Extended up to 31st March, 2027.</i> | Q1. Preparation of spores and SEM imaging and description. Q2. Preparation of spores and SEM imaging. Q3. Preparation of spores and SEM imaging and description. Q4. Preparation of spores and SEM imaging and description. Finalization and submission of report <i>Note: The report to be submitted by March, 2027.</i> |

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| 59.* | <p>A pictorial guide to the flowering Plants of Dehradun District</p> <p>Dr. Puneet Kumar, Scientist-D, Dr. S. K. Singh, Scientist-F & Mr. Subhasmit Bhattacharyya, Bot. Asstt. Dr. Harminder Singh, Botanical Asstt.</p> | <p>2024-2027</p> <p><i>Extended up to 31st March, 2027.</i></p> | <p>Q1. Survey, capturing good quality photographs, recording of field data and & collection of plants, if required.</p> <p>Q2. Visit in and around Dehradun for capturing good quality photographs, recording of field data and & collection of plants, if required.</p> <p>Q3. Visit in and around Dehradun for capturing good quality photographs, recording of field data and & collection of plants, if required.</p> <p>Q4. Finalization and submission of report.</p> <p><i>Note: The report to be submitted by March, 2027.</i></p> |
| 60. | <p>Flora of Himachal Pradesh, Vol. IV [c.731taxa]</p> <p>a. Scrophulariaceae-Nyctaginaceae [c.361taxa], Dr. S. K. Singh, Scientist-F; Dr. Harminder Singh, Bot. Asst.; Ms. Poulami Ghosh, Bot. Asst.; Mr. Subhasmit Bhattacharyya, Bot. Asstt.; Ms. Latika Sagarwal, Bot. Asstt.; Ms. Vaishali Gautam, Bot. Asstt.; Ms. Surbhi Singh, Bot. Asstt. Mrs. Preeti Gangwar, Senior Pres. Asstt.</p> <p>b. Amaranthaceae-Chenopodiaceae, [c. 62 taxa] Dr. Puneet Kumar, Scientist D</p> <p>c. Polygonaceae[c.74taxa] Dr. Sameer Patil, Botanist</p> <p>d. Basellaceae, Phytolaccaceae & Aristolochiaceae-Loranthaceae[c. 49 taxa] Dr. Bhavana Joshi, Botanist</p> <p>e. Euphorbiaceae[c.54taxa] Dr. Brijesh Kumar, Scientist-C</p> <p>f. Santalaceae- Ulmaceae[c. 52 taxa] Dr. Monika Mishra, Botanist</p> <p>h. Cannabaceae- Salicaceae[c. 79 taxa] Dr. Kumar Ambrish, Scientist-F & Team <i>(High Altitude Western Himalayan Regional Centre, Solan)</i></p> | <p>2025-2027</p> | <p>Q1: Documentation of 107 taxa. Q2: Documentation of 107 taxa Q3: Documentation of 107 taxa Q4: Finalization and submission of manuscript.</p> |

BSI ANNUAL RESEARCH PROGRAMMES 2026-27

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| 61. | Flora of Himachal Pradesh, Vol.V a. Poaceae [c.200taxa] Dr. Manish K. Kandwal, Scientist-E | 2025-2027 | Q1: Documentation of 38 taxa. Q2: Documentation of 38 taxa Q3: Documentation of 39 taxa Q4: Finalization and submission of manuscript. |
| 62. | Flora of Askot Wildlife Sanctuary, Pithoragarh, Uttarakhand Dr. S.K. Singh, Scientist-F Ms. Latika Sagarwal, Bot. Asst. Ms. Poulami Ghosh, Bot. Asst. Mr. Subhasmit Bhattacharyya, Bot. Asst. <i>New Project</i> | 2026-2029 | Q1. One field tour to study area for collection and identification. Q2. One field tour to study area for collection. Q3. Literature compilation, scrutiny and reference collection Q4. Identification of specimens. Total tours:02 |
| SIKKIM HIMALAYAN REGIONAL CENTRE, GANGTOK | | | |
| 63. | Maintenance of Germplasm of Rhododendron L., Impatiens Rivex L., Zingiberaceae and Musaceae in EBG, BSI-SHRC. Dr. Rajib Gogoi, Scientist F Dr. Monalisa Dey, Scientist D Mr. Norbu Sherpa, Sr. Pres. Asst. | Ongoing | Q1: One field tour to different parts of Darjeeling & Kalimpong Districts Q2: One field tour to East Sikkim Q3: One field tour to North-Sikkim Q4: Maintenance and preparation of Report. Total tours: 03 |
| 64. | Taxonomy of the family Boraginaceae in Sikkim and Darjeeling Himalayas Dr. Rajib Gogoi, Scientist-F, Mr. Norbu Sherpa, Sr. Preservation Assistant <i>New Project</i> | 2026-2029 | Q1. One field tour to be undertaken to different parts of Darjeeling & Kalimpong Districts. Q2. One field tour to be undertaken to East Sikkim. Q3. One herbarium consultation tour to be undertaken to Lloyd Botanic Garden herbarium, Darjeeling. Q4. Identification and documentation of collected specimens. Total tours:03 (02 FT + 01 HCT) |
| SOUTHERN REGIONAL CENTRE, COIMBATORE | | | |
| 65.* | Lichens of Tamil Nadu. Dr. T. A. M. Jagadesh Ram, Scientist-F | 2023-2028 <i>Extended up to 31st March, 2027.</i> | Q1. Morphological, anatomical and chemical characterization, and identification. Q2. One Field Tour to the Western Ghats of Tamil Nadu (Nilgiris District). Morphological, anatomical and chemical characterization and identification. Q3. One Herbarium Consultation Tour to NBRI, Lucknow. Q4. Morphological, anatomical and chemical characterization, and identification. Total Tours: 02 (01 FT & 01 HCT) <i>Note: The report to be submitted by March, 2027.</i> |

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| 66.* | <p>Ex-situ Conservation of Endemic and Threatened Plants (Orchids, Medicinal, Economical important and ornamental plants)</p> <p>Dr. S. Kaliamoorthy, Scientist-‘F’ Dr. T. S. Sarvanan, Bot. Asstt. Mr. S. K. Arjun, Bot. Asstt.</p> | <p>2024-2025</p> <p><i>Extended up to 31st March, 2027.</i></p> | <p>Q1. Study and Identification of collected species Q2. One field tour to Srivilliputhur-Megamalai Tiger Reserve, Tamil Nadu Q3. Study and Identification of collected species. Q4. Study and Identification of collected species.</p> <p>Total tours: 01</p> <p><i>Note: The report to be submitted by March, 2027.</i></p> |
| 67.* | <p>Threat Assessment of Palms and Rattans of Southern Western Ghats, India</p> <p>Dr. S. S. Hameed, Scientist-F Dr. M. Murugesan, Scientist-D Dr. V. Ravichandran, Sr.Pres.Asst.</p> | <p>2024-2027</p> <p><i>Extended up to 31st March, 2027.</i></p> | <p>Q1. One Field tour to Agasthyamalai Biosphere Reserve, Kerala and Tamil Nadu. Q2. One Field Tour to Srivilliputhur-Megamalai Tiger Reserve, Tamil Nadu. Q3. Study and Identification of collected species. Q4. Report preparation and submission.</p> <p><i>Note: The report to be submitted by March, 2027.</i></p> <p>Total tours: 02</p> |
| 68.* | <p>A taxonomic revision of the tribe Semecarpeae (Anacardiaceae) in India.</p> <p>Dr. M. Murugesan, Scientist-D</p> <p><i>Note: Project shifted from BSI, CNH, Howrah to BSI, SRC, Coimbatore)</i></p> | <p>2024-2027</p> <p><i>Extended up to 31st March, 2027.</i></p> | <p>Q1. One Field Tour to various parts of Western Ghats of Tamil Nadu. Preparation detailed description along with all relevant information for all species Q2. Preparation of distribution maps, IUCN Red List Assessment for each species and preparation of report Q3. Preparation of distribution maps, IUCN Red List Assessment for each species and preparation of final report Q4. Preparation of photographic plates, compilation and Submission of Final report.</p> <p>Total tour: 01</p> <p><i>Note: The report to be submitted by March, 2027.</i></p> |
| 69. | <p>Taxonomic account and assessment of the vegetation pattern of the genus <i>Caulerpa</i> from India</p> <p>Dr. M. Palanisamy, Scientist E</p> <p><i>New Project</i></p> | <p>2026-2029</p> | <p>Q1. Study of literature and herbarium specimens. Q2. One seaweed herbarium consultation tour of CSMCRI & CMFRI, Mandapam, Rameswaram, Tamil Nadu. Q3. One HCT at CMFRI, Kochin, Kerala. Q4. One Field Tour to Lakshadweep. Collection & processing of <i>Caulerpa</i> species from Lakshadweep Islands.</p> <p>Total tours: 03 (01 FT + 02 HCT)</p> |
| 70. | <p>Flora of Puducherry, India</p> <p>Dr. W. Arisdason, Sci-E Dr. R. Manikandan, Scientist ‘E’ Dr. V. Ravichandran, Senior Preservation Asst.</p> <p><i>New Project</i></p> | <p>2026-2029</p> | <p>Q1. One field tour to study area to be undertaken for exploration and plant collection and processing of the sample and identification. Q2. One field tour to study areato be undertaken for plant collection and processing of the sample and identification. Q3. One field tour to study area to be undertaken for exploration and plant collection and processing of the sample and identification. Q4. One herbarium consultation tour to HIFP to</p> |

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| | | | <p>be undertaken for plant collection and processing of the sample and identification. Literature collection and study of Herbarium specimens.</p> <p>Total tours:04 (03 FT+1 HCT)</p> |
| WESTERN REGIONAL CENTRE, PUNE | | | |
| 71. | <p>Maintenance of the Botanic Garden of BSI, Pune</p> <p>Dr. M. Y. Kamble, Scientist-E Shri B. P. Kadam, Bot. Asstt.</p> | Ongoing | <p>Q1 – Q4. Preparation of database on live plants of garden (real time data). Maintenance and development of Phytodiversity section of Konkan and adjoining areas of Western Ghats.</p> |
| 72.* | <p>Conservation through Micro propagation of selected Endemic and Threatened Pteridophytes from Central Western Ghats of Karnataka</p> <p>#Dr. A. Benniamin, Scientist F *Dr. D. Jesubalan, Botanist Mr. Kaushik Sarkar, Bot. Asst. Mr. Rajeshwar Dayal, Bot.Asst.</p> <p># The name of Dr. A. Benniamin has been kept in abeyance. *The name of Dr. D. Jesubalan, Botanist has been included this year.</p> | <p>2023-2027</p> <p><i>Extended up to 31st March, 2027.</i></p> | <p>Q1. Study the review of Literature. Q2. Preparation of chemicals for Gametophyte and Sporophyte cultures. Q3. One field tour to Karnataka for reintroduce the sporophytes in the natural field after getting permission from the Forest department. Q4. One field tour to Karnataka for reintroduce the sporophytes in the natural field after getting permission from the Forest department.Final compilation, checking and report submission.</p> <p>Total tours: 02</p> <p>Note: The report to be submitted by March, 2027.</p> |
| 73. | <p>Morpho-Molecular systematics and Bio-potency of terrestrial microfungi of Bhagwan Mahavir (Mollem) National Park , Goa</p> <p>Dr. Rashmi Dubey, Scientist-‘F’ Mr. Amit D. Pandey, Bot. Asstt.</p> | 2024-2027 | <p>Q1. Isolation, identification, Morpho-molecular characterization of terrestrial micro fungi collected during field previous tours. Q2. One field tour will be undertaken in different forest areas of BhagwanMahavir (Mollem) National Park, Goa.Isolation, identification, Morpho-molecular characterization of terrestrial micro fungi collected during field previous tours. Q3. Isolation, identification, Morpho-molecular characterization of terrestrial micro fungi collected during field previous tours. Biopotency evaluation of microfungi for agricultural waste management. Q4. Isolation, identification, Morpho-molecular characterization of terrestrial micro fungi collected during field previous tours.Ecological assessments of microfungi. Preparation and submission of manuscript.</p> <p>Total Tour: 01</p> |

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| 74. | Flora of Goa Dr. Prashant K. Pusalkar, Scientist-F | 2024-2027 | <p>Q1. Herbarium and literature study, Specimen Identification and Completion of floristic account of 125 species</p> <p>Q2. Herbarium and literature study, Specimen identification and Completion of floristic account of 125 species. One field tour to Goa</p> <p>Q3. Completion of floristic account of 75 species, Specimen Identification and Preparation of Keys and Introduction writing. One Herbarium Consultation Tour to Goa University Herbarium</p> <p>Q4. Final compilation, updation, checking and report submission</p> <p>Total Tour: 02 (01 FT & 01 HCT).</p> |
| 75. | DNA Barcoding of Endemic Plants from the Northern Western Ghats of Maharashtra Dr. Nithaniyal Stalin A, Scientist B #Dr. A. Benniamin, Scientist F Mr. Kaushik Sarkar, Bot. Asst <i>(Targets: 30 plants to be studied every year)</i> <i># The name of Dr. A. Benniamin has been kept in abeyance.</i> | 2023– 2027 | <p>Q1. DNA Isolation, separation, purification, DNA sequencing of samples. Phylogenetic and Bio-informatics Analysis</p> <p>Q2. One field tour will be conducted in the Northern Western Ghats, Maharashtra. DNA Isolation, separation, purification, DNA sequencing and Bio-informatics Analysis</p> <p>Q3. One field tour will be conducted in the Northern Western Ghats, Maharashtra. DNA barcoding of Collected samples. Phylogenetic and Bio-informatics Analysis</p> <p>Q4. Collected samples will be subjected to DNA barcode generation. One Herbarium consultation tour will be conducted at the Central National Herbarium (CAL), Kolkata</p> <p>Total tour: 03 (02 FT & 01 HCT)</p> |
| 76. | Ex-situ conservation of selected Endemic and Threatened Geophytes of Northern Western Ghats and Konkan, Maharashtra Dr. Mayur Y. Kamble, Sci-E <i>New Project</i> | 2026-2028 | <p>Q1. One Field Tour to study area.</p> <p>Q2. One field tour to study area for collection, Introduction, Multiplication and Maintenance of collected species in the garden.</p> <p>Q3. Multiplication and maintenance of collected species in BSI, WRC, Garden.</p> <p>Q4. Introduction, multiplication and maintenance of collected species in BSI, WRC, Garden.</p> <p>Total tours: 02 (02 FT)</p> |
| 77. | Floristic study of Sacred Groves in Belagavi Forest Division, Karnataka Mrs. Madhuri Pawar, Botanist <i>New Project</i> | 2026-2029 | <p>Q1. Correspondence with forest department for permissions; review of literature; study of herbarium specimens at BSI.</p> <p>Q2. One field survey tour to study area and data collection.</p> <p>Q3. One field survey tour to study area identification and documentation of collected specimens.</p> <p>Q4. Data compilation and specimen verification.</p> <p>Total tours: 02</p> |

| INDUSTRIAL SECTION INDIAN MUSEUM, KOLKATA | | | |
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| 78.# | <p>Taxonomic revision of the Subfamily Apioideae Seem. (Apiaceae Lindl.) in India</p> <p>Dr. Manas Bhaumik, Scientist – F</p> <p><i>New Project</i></p> <p><i>(Note: Consequent upon the transfer of PI, this project is shifted to AJCBIBG, Howrah)</i></p> | 2026-2029 | <p>Q1. One HCT tour to be undertaken to KFRI, CALI, KSCSTE-MBGH, TBGT.</p> <p>Q2. One field tour to study area to be undertaken to Western Himalaya, Uttarakhand, Himachal Pradesh.</p> <p>Q3. One field tour to be undertaken to Peninsular Indian region, mainly Western Ghats, Nilgiris.</p> <p>Q4. Survey literature and online herbarium consultation and procurement of type images and protologues.</p> <p>Total tours: 03(02 FT & 01 HCT)</p> |
| 79. | <p>A Taxonomic revision of Tribe Delphinieae, Subfamily Ranunculoideae of the Family Ranunculaceae in India and their Threat status assessment</p> <p>Dr. Debasmitta Dutta Pramanick. Scientist -D Mr. Manzil UI Hassan, Botanical Assistant Mrs. Ruchi Yadav, Botanical Assistant Mr. Sankar Sahu. Sr. Pres. Asst.</p> <p><i>New Project</i></p> | 2026-2029 | <p>Q1. Study of literature and herbarium specimens.</p> <p>Q2. One Herbarium Consultation Tour to KASH, HBJU & RRLH and One field tour to different regions of Western Himalayas (J&K).</p> <p>Q3. One Herbarium Consultation Tour to LWG, DD, BSD. Processing/identification of taxa; preparing herbarium specimens.</p> <p>Q4. Consultation of authentic literature; listing of prioritized taxa, Datasheet preparation, mapping, Red List assessment.</p> <p>Total tours:03 (01 FT and 02 HCT)</p> |
| HEADQUARTERS, KOLKATA | | | |
| 80. | <p>Assessment of Floristic Diversity of Nellai Wildlife Sanctuary, Thenkasi District, Tamil Nadu , India</p> <p>Dr. K. Karthigeyan, Scientist 'F', BSI, HQ, Kolkata Dr. S. Arumugam, Botanist, SRC, Coimbatore</p> <p><i>(Note: Project shifted from BSI, SRC to HQ)</i></p> | 2024-2027 | <p>Q1: One field tour to study area. Identification of specimens collected during earlier field tours</p> <p>Q2: One field tour to study area. Completing the identification of backlog specimens.</p> <p>Q3: One field tour to study area. Completing the identification of backlog specimens. Communicating the research findings (if any) from the study area and preparation of report</p> <p>Q4: One field tour to study area. Completing the identification of backlog specimens. Communicating the research findings (if any) from the study area and preparation of report</p> <p>Total tours: 04</p> |
| 81. | <p>Flora of Kaimur Wildlife Sanctuary, Bihar</p> <p>Dr. O. N. Maurya, Scientist E, Dr. Gopal Krishna, Scientist C, Mr. Tanay Shil, Sr. Preservation Assistant</p> <p><i>New Project</i></p> | 2026-2029 | <p>Q1. A through survey of relevant literature and an analysis of the previously collected specimens at CAL.</p> <p>Q2. One field cum exploration tour to be undertaken to Kaimur and Rohtas District; identification of collected plants.</p> <p>Q3. One field cum exploration tour to be undertaken to Kaimur and Rohtas District; identification of collected plants.</p> <p>Q4. Identification of collected plants.</p> <p>Total tours:02</p> |

Notes:

* No further extension will be given. Therefore, the PIs should ensure for timely submission of the report.

The PIs have been transferred to other stations. Therefore, no field tour is allowed from the previous station.