

## **Group name: ANGIOSPERM TAXONOMY**

### **Group works on**

- Inventorization and identification of plant resources of the country.
- Biodiversity assessment.
- Revision of Indian taxa

### **Objectives**

- Survey, collection, identification and documentation of the floristic wealth of the country.
- To carry out Biodiversity Assessment for Environmental Impact Assessment.
- To undertake Floristic and revisionary studies on Indian taxa of flowering plants.

### **Achievements**

#### **Upto 11<sup>th</sup> five year Plan:**

- Several projects on the taxa-specific Biodiversity assessments for example revisionary studies on genera *Ixora*, *Clematis*, *Podophyllum*, *Berberis*, *Pedicularis*, *Astragalus* and revision on family Oleaceae have been successfully completed. The taxonomic revisions completed have International relevance and help in revision of the group globally. These studies have led to a large number of publications in the recent past. So far a number of exploration tours have been conducted to the various parts of the country for detailed inventories and documentation of the flora. In particular, the Biodiversity Assessment of Tons Valley, Garhwal Himalaya, Rajaji National Park, Corbett Tiger Reserve, Dudhwa National Park, Valley of Flowers, Bhimbetka World Heritage Site and other phytogeographically interesting areas like Netarhat in Bihar and few districts of J. & K, A.P., Orissa and U.P. have been accomplished.
- A digitized database of 500 medicinal plants used in Indian System of Medicine.
- Digitized database of Herbarium, 30000 specimens have been digitized.
- Species Database 'PADAP' have been developed to document plant diversity of India.

#### **In 12<sup>th</sup> Five year plan**

- Complete floristic account of higher plants of GWLS with coloured photographs.

### **On Going Projects:**

#### **NBRI In house Projects**

1. Digitization and organisation of CSIR-NBRI Herbarium
2. Taxonomic studies on the family Lamiaceae from Upper Gangetic Plains of Uttar Pradesh.

3. Bioresource mapping of Govind Wild Life Sanctuary (Garhwal Himalaya), Uttarakhand.

**Outside Agencies like DBT/DST/MOEF Projects:**

- Propagation and reproductive biology for conservation of some critically endangered highly potential medicinal plants.

**Areas Open for Collaboration**

- Bioprospection, reproductive biology
- Climate change studies, ecological studies
- Molecular systematic & Phylogenetic studies.

**Feed Back Required**

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