

## ANGIOSPERM FLORA OF DARBHANGA (MITHILA, NORTH BIHAR)—II

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## ABSTRACT

This communication is the second of a series of preliminary reports of angiospermic plants growing in Darbhanga and around. This includes 262 species, 203 genera and 63 families in total. Monocots are represented by 29 species, 27 genera and 10 families ; and Dicots by 233 species, 176 genera and 53 families. The arrangement of families is according to Bentham and Hooker (1862-83). Previous paper included 287 species, 243 genera and 93 families in all, of which 51 species, 47 genera and 18 families belonged to Monocots ; and 236 species, 196 genera and 75 families to Dicots.

## INTRODUCTION

Plants mentioned in the paper were collected by the author himself during 1968-70. Herbarium specimens are deposited in the Department of Botany, University of Bihar\*, C. M. College, Darbhanga. Arrangement of families is according to Bentham and Hooker (1862-83). Genera and species are arranged in alphabetical order. Local names of many plants and their habitat have also been mentioned.

## ENUMERATION

## DICOTYLEDONS

## RANUNCULACEAE

**Delphinium ajacis** Linn. var. **orientale** Finet and Gagnep.  
In gardens during winter.

## MAGNOLIACEAE

**Magnolia pterocarpa** Roxb.  
Tree in gardens.

## MENISPERMACEAE

**Cocculus hirsutus** (Linn.) Diels.  
Wild creeper in orchards.  
**C. villosus** DC.  
Wild in orchards.

## NYMPHAEACEAE

**Euryale ferox** Salisb.  
Cultivated in ponds, called Makhan.  
**Nymphaea lotus** Linn.  
Wild in ponds, called Kumudani.

## PAPAVERACEAE

**Papaver rhoeas** Linn.  
Ornamental in gardens.

## CRUCIFERAE

**Brassica campestris** var. **dichotoma**

Cultivated, called Sarison.

**B. caulorapa** Pasq.

**B. hirta** Moench.

**B. nigra** (Linn.) Koch.

**B. oleracea** Linn. var. **botrytis**

**B. oleracea** Linn. var. **gongylodes**

**B. rapa** Linn.

All species of *Brassica* cultivated.

**Eruca sativa** Mill.

Cultivated as vegetable.

**Iberis amara** Linn.

Garden flower of winter.

## CAPPARIDACEAE

**Capparis horrida** Linn. f.

Wild woody climber in dense orchards.

## VIOLACEAE

**Viola tricolor** Linn.

In gardens.

## CARYOPHYLLACEAE

**Dianthus barbatus** Linn.

**D. caryophyllus** Linn.

**D. chinensis** Linn.

**D. orientale** Adam.

All species of *Dianthus* are garden plants.

**Saponaria vaccaria** Linn.

Weed in shade and damp soil.

**Spergula arvensis** Linn.

Weed in moist places during rains.

## ELATINACEAE

**Bergia ammanoides** Roxb.

Herb on road sides.

## GUTTIFERAE

**Mesua ferrea** Linn.

In gardens.

\* Now Mithila University.

## MALVACEAE

- Althaea rosea** Cav.  
In orchards, gardens.
- Hibiscus schizopetalous** (Mat.) Hook.  
In gardens.
- Malvaviscus arboreus** Cav.  
In gardens.
- M. conzottiae** Green  
In gardens.
- Thespesia populnea** Soland ex Corea  
Small tree in gardens.
- Urena lobata** Linn.  
Wild in orchards under trees.

## STERCULIACEAE

- Dombeya mastersii** Hook. f.  
Called Thalkamal, in gardens, large showy flowers.
- Heritiera minor** Roxb.  
In gardens, but rare.
- Pentapetes phoenicea** Linn.  
Woody herb in neglected crop fields.
- Pterospermum acerifolium** Willd.  
Common in neglected ponds.
- Sterculia foetida** Linn.  
Large Semal like tree in gardens, bad smelling flowers.

## TILIACEAE

- Corchorus olitorius** Linn.  
Weed in fields.

## RUTACEAE

- Citrus aurantifolia** Swingle  
In gardens.
- C. decumena** Linn.  
Fruit 6-10 inches diam., small tree, called Tabhnebo.
- C. limon** Linn.
- C. reticulata** Blanco.
- C. sinensis** Osbeck.  
All species cultivated.

## MELIACEAE

- Swietenia macrophylla** King.  
Along road sides with *S. mahogani*.
- Toona ciliata** Roem.  
Wild tree in fallow lands and fields.

## SAPINDACEAE

- Sapindus emarginatus** Vahl  
In garden, seeds used in washing, called Ritha.
- Schlaichera oleosa** (Lour.) Oken.  
Tree in gardens.

## ANACARDIACEAE

- Semecarpus anacardium** Linn. f.  
Called Bhilava, in gardens, of medicinal use.
- Spondias pinnata** (Linn. f.) Kurz  
Isolated trees, called Amara, fruits for Chatani.

## LEGUMINOSAE

- Acacia auriculiformis** A. Cunn. ex Benth.  
Ornamental garden plant, leaves unusually flat, flowers deep yellow.
- Albizia procera** Benth.  
Planted on road sides for shade and timber, called Siris.
- Caesalpinia pulcherima** (Linn.) Swartz.  
Smaller type of Gulmohar, in gardens.
- Canavalia ensiformis** DC.  
Cultivated, fruits large and green..
- C. virosa** W. & A.  
Cultivated, pods black.
- Cassia javanica** Linn.  
Cultivated shrub, flowers yellow.
- C. marginata** Roxb.  
In gardens, flowers small and pinkish.
- C. nodosa** Buch.-Ham. ex Roxb.  
Large tree of gardens with showy red flowers.
- Crotalaria cericea** Retz.  
Along ponds, common in shade.
- Desmodium gangeticum** DC.  
Herb forming tree undergrowth in orchards.
- Dolichos lablab** var. **typica** Linn.  
White small sized, called Sem.
- D. lablab** var. **lignosus** Linn.  
Purplish Sem.
- Inga dulcis** Willd.  
Small wild thorny tree, called Jilebi.
- Lathyrus odoratus** Linn.  
Ornamental sweet garden pea.
- Lupinus pubescens** Benth.  
Ornamental garden plant of winter.
- Peltophorum ferrugineum** Benth.  
Planted in gardens, large tree.
- P. pterocarpum** Backer ex K. Heyne  
In gardens.
- Phaseolus lunatus** Linn.  
Cultivated, called Sem.
- P. vulgaris** Linn.  
Cultivated, Sem.
- Psoralea corylifolia** Linn.  
Wild, under trees.
- Rhynchosia minima** DC.  
Prostrate, in orchards.

**Samanea saman** (Jacq) Merrill.

Large tree, planted on road sides.

**Sesbania grandiflora** Poir.

Called Agast, of religious value.

**Teramnus labialis** (Linn. f.) Spreng.

Climbing on bamboos.

**Uraria picta** Desv.

Weak wild herb in orchards.

**Vicia sativa** Linn.

Trailing herb, liked by cattle.

**Vigna catajang** Endl. var. **sinensis** Willd.

Rare, as weed.

## ROSACEAE

**Rosa chinensis** Jacq.**R. indica** Sweet.**R. moschata** Herrm.

All Gulabs grow in gardens.

## MYRTACEAE

**Melaleuca leucadendron** Linn.

Ornamental, in gardens.

## LYTHRACEAE

**Lagerstroemia flos-regini** Retz.

Small garden tree.

**L. speciosa** (Linn.) Pers.

Ornamental in gardens.

**Woodfordia floribunda** Salisb.

In gardens, ornamental.

## PASSIFLORACEAE

**Passiflora edulis** Sims.

Cultivated in gardens, blue flowers.

**P. incarnata** Linn.

Wild, greenish white small flowers.

## CUCURBITACEAE

**Benincapsa cerifera** Savi.

Called Kumhar, cultivated.

**Citrullus vulgaris** Scrad. var. **fistulosus**

Cultivated in sandy soil, called Tarbhuj.

**Cucurbita moschata** Duchense

Cultivated, called Kakari.

**Momordica dioica** Roxb. ex Willd.

Wild, called Karela.

**Trichosanthes anguina** Linn.

Cultivated, called Batiya.

**T. dioica** Roxb.

Cultivated, called Paror.

## UMBELLIFERAE

**Daucus carota** Linn.

Cultivated, called Gajar.

**Foeniculum vulgare** Mill.

Cultivated, called Saunph.

**Seseli indicum** W. & A.

Common in wet areas.

## RUBIACEAE

**Hamelia patens** Jacq.

In gardens, as hedge.

**Hamiltonia suaveolens** Roxb.

Shrub, in dry places.

**Ixora arborea** Roxb. ex Sm.

Small tree in gardens.

**I. coccinea** Linn.

Shrub, flowers white.

**I. stricta** Roxb.

Shrub, flowers red.

**Mussaenda luteola** Delile.

In gardens, with peculiar sepals.

## COMPOSITAE

**Aster amellus** Linn.

In gardens.

**Blumea lacera** DC.

Wild, large leaved hairy herb.

**Caesulia axillaris** Roxb.

In rice fields, as weeds, called Thuka.

**Calendula officinalis** Linn.

In gardens, called Vilayati Genda.

**Centaurea cyanus** Linn.

In gardens, flowers white.

**C. moschata** Linn.

In gardens, flowers blue or red.

**Chrysanthemum carinatum** (Linn.) Andr.

In gardens, called Guldaudi.

**Cnicus arvensis** Hoffm.

Herb in shade.

**Coreopsis verticillata** Linn.

In gardens, variegated petals.

**Cotula anthemoides** Linn.

Wild in shady places.

**Crepis japonica** Benth.

Ornamental, in gardens.

**Dahlia coccinea** Cav.**D. pinnata** Cav.

Both species in gardens.

**Dimorphotheca sinuata** DC.

In gardens.

**Eupatorium berfoliatum** Linn.

In gardens.

**Gnaphalium luteo-album** Linn.

Thickly hairy, slightly succulent.

**Grangia maderaspatana** (Linn.) Poir.

Weed in wet fields.

**Guizotia abyssinica** Cass.

Weed in wheat fields, sometimes cultivated for oil yielding seeds.

**Helianthus agrophyllus** Torr. & Gr.

In gardens, smaller Suryamukhi.

**Helipterum roseum** Benth.

Ornamental in gardens.

**Lactuca remotiflora** DC.

Cultivated for leaves taken as salad.

**Laggera alata** (Don.) Sch.-Bip. ex Oliver

Weak but tall herb amidst grasses.

**Lamaea nudicaulis** Hook. f.

Weed in fields.

**Sonchus oleraceus** Linn.

Spiny weed.

**Sphaeranthus indicus** Linn.

Weed in crop fields, aromatic.

**Tagetes erecta** Linn.

Called Chotka Gena, stem red, flowers small.

**T. indica** Cav.

In gardens, called Gena.

**Vernonia cinerea** Less.

Tall herb, common in waste places.

**Wedelia calendulacea** Less.

In ditches, leaves shining.

**Zinnia elegans** Linn.

In gardens.

## PRIMULACEAE

**Androsace saxifragifolia** Bunge.

Small weed in orchards, in shade.

## SAPOTACEAE

**Mimusops elengi** Linn.

Called Bhalsari, small tree in gardens.

## EBENACEAE

**Diospyros perigrina** (Gaertn.) Gurke.

Garden tree.

## OLEACEAE

**Jasminum grandiflorum** (Linn.) Kob.

In gardens, called Juhi.

**J. humile** Linn.

Wild in orchards.

**J. multiflorum** (Burm. f.) Andr.

In gardens.

**J. officinale** Linn.

In gardens.

**J. sambac** Ait.

In gardens.

## APOCYNACEAE

**Alstonia scholaris** R. Br.

Called Chatuan, in gardens.

**Carissa carandas** Linn.

Called Karauna, wild and cultivated both.

**Ichnocarpus frutescens** R. Br.

Shrub in gardens.

**Plumeria acutifolia** (Ait.) Woodson

Flowers red, leaf-tip acute.

**P. alba** Linn.

Flowers white.

**P. rubra** Linn.

Flowers yellow, all the three species called Katha-champa.

**Rhynchosia verrucosa** (Blume) Woodson.

Cultivated.

**Thevetia nerifolia** Juss ex Steud.

Called Kaner, flowers yellow, wild and cultivated both.

## ASCLEPIADACEAE

**Cryptostegia grandiflora** Soland ex Cerrea.

Woody climber of gardens.

## POLEMONIACEAE

**Phlox drummondii** Hook.

In gardens during winter.

## CONVOLVULACEAE

**Calonyction speciosum** Choisy

Garden climber, blooms in winter nights.

**Convolvulus arvensis** Linn.

In crop fields, flowers violet.

**Ipomoea carnea** Jacq.

Wild, large herb, fast spreading, side of water.

**I. hederacea** Jacq.

Twinner, deep blue flowers, in gardens.

**Quamoclit vulgaris** Choisy

Called Lavanglata, in gardens, small red flowers.

## SOLANACEAE

**Atropa belladonna** Linn.

Cultivated in gardens.

**Cestrum diurnum** Linn.

Called Chameli, in gardens.

**C. nocturnum** Linn.

Called Ratrani, cultivated and wild both.

**Nicotiana glauca** Link and Otto

Cultivated in gardens for flowers.

**Petunia hybrida** Vilm.

In gardens.

**Physalis longifolia** Nutt.

Weed in crop fields.

**Solanum indicum** Linn.

Spiny herb with violet flowers, in dry places.

**Withania somnifera** (Linn.) Dunal.

Weed of medicinal use.

## SCROPHULARIACEAE

- Antirrhinum majus** Linn.  
In gardens.  
**Celsia coromandelina** Wall.  
Weed in damp places.  
**Lindernia verbasifolia** All.  
Weed in damp places.  
**Majus rugosus** Lour.  
In dark damp and moist orchards.  
**Vandellia crustacea** Benth.  
In shady places, weed.

## OROBANCHACEAE

- Orobanche cernua** Loeff.  
Called Thokra, in wheat and mustard fields.

## BIGNONIACEAE

- Bignonia venusta** Ker-Gawl.  
Garden creeper.  
**Spathodea campanulata** Beauv.  
Red flowered garden tree.  
**Tabebuia rosea** DC.  
Small tree in gardens.  
**Tecoma grandiflora** Delaun.  
Creeper in garden, flowers red, leaves multifid.  
**T. stans** (Linn.) H. B. K.  
Yellow flowered small tree of gardens.  
**Tecomella undulata** (Sm.) Seem.  
Garden creeper, leaves entire.

## ACANTHACEAE

- Asteracantha spinosa** Nees  
In watery rice fields.  
**Barleria prionites** Linn.  
Stiff leaved shrub in neglected places.  
**Cardenenthera triflora** Ham.  
In rice fields.  
**Hygrophila auriculata** (Schumach.) Heine.  
Weed in damp places.  
**H. polysperma** T. Anders.  
In shady damp places.  
**Justicia gendurosa** Burm. f.  
Small gregarious weed in orchards.  
**Peristrophe bicalyculata** (Retz.) Nees  
Tall herbaceous weed.  
**Rhinacanthus communis** Nees  
Wild shrub with white flowers.  
**Thunbergia erecta** T. Anders.  
Shrub in gardens.  
**T. grandiflora** Roxb.  
In gardens, flowers blue, common creeper over green-houses.

## VERBENACEAE

- Homoskioldia sanguinea** Retz.  
Shrub in dry places.  
**Lippia geminata** H. B. and Kunth.  
Herb in orchards.  
**Tectona grandis** Linn.  
Cultivated for timber.  
**Verbena hybrida** Voss.  
Weed in shade.  
**Vitex negundo** Linn.  
Weed.

## LABIATAE

- Anisomeles ovata** R. Br.  
Called Hapus, aromatic wild herb.  
**Coleus blumei** Benth.  
In gardens, leaves variegated.  
**Hyptis suaveolens** (Linn.) Poit.  
In neglected crop fields.  
**Mentha arvensis** Linn.  
Called Pudina, cultivated by the side of water.  
**Orthosiphon pallidus** Benth.  
Large wild herb similar to Tulsi.

## NYCTAGINACEAE

- Bauhinia purpurea** Linn.  
In gardens.  
**Boerhaavia repens** Linn.  
Wild herb on road sides.  
**Bougainvillea glabra** Choisy  
Ornamental in gardens.  
**B. spectabilis** Willd.  
In gardens.  
**Pisonia alba** Spam.  
Wild shrub on road sides.

## AMARANTHACEAE

- Aerva sanguinolenta** (Linn.) Blume  
Weed.  
**A. scandens** Wall.  
Weed, at the base of old walls.  
**Alternanthera ficoidea** (Linn.) R. Br.  
In damp places.  
**Amaranthus blitum** Hook. f.  
Herb under trees.  
**A. paniculatus** Linn.  
Wild, in shade.  
**A. tricolor** Linn.  
Ornamental in gardens.  
**A. viridis** Hook. f.  
Succulent, small herb.  
**Gomphrena globosa** Linn.  
In gardens.

## CHENOPODIACEAE

**Basella alba** Linn.

Called Poi, green stemmed.

**B. rubra** Linn.

Called Poi, red stemmed.

**Chenopodium murale** Linn.

Weed in crop fields, Ghibathua.

**Kochia scoparia** Schrad.

Ornamental, in gardens.

**Spinacia oleracea** Linn.

Cultivated.

## POLYGONACEAE

**Polygonum barbatum** Linn.

On the side of ponds and rivers.

**Rumex dentatus** Linn.

Weed in rains.

**R. vesicarium** Linn.

Weed in rainy season.

## ARISTOLOCHIACEAE

**Aristolochia grandiflora** Swartz.

Called Battakphul, in gardens.

## PROTEACEAE

**Grevillea robusta** Cunn.

Tree in gardens.

## LORANTHACEAE

**Viscum monoicum** Roxb.

Parasitic on fruit trees.

## SANTALACEAE

**Santalum album** Linn.

In gardens.

## EUPHORBIACEAE

**Acalypha hispida** Burm. f.

In gardens.

**Breynia rhamnoides** Muell.

Shrub, often used as hedge.

**Euphorbia aracunculoides** Linn.

Weed in crop fields.

**E. lactea** Haw.

On road sides.

**E. prostrata** Ait.

Small milky weed in dry places.

**E. pulcherima** Willd. ex Klotzsch.

In gardens.

**Mallotus rependas** Muell.-Arg.

Small wild tree.

**Phyllanthus distichus** Muell.-Arg.

On road sides.

**P. lawii** Grah.

Called Sikath, in dense orchards.

**Poinsettia pulcherima** Grah.

In gardens.

## GERANIACEAE

**Tropaeolum majus** Linn.

Garden plant, called Nasturtium.

## URTICACEAE

**Artocarpus lakoocha** Roxb.

Cultivated for fruits.

**Ficus falcata** Miq.

In gardens, climbing on walls.

**F. hispida** Linn. f.

Very common small tree.

**F. pumila** Linn.

Climbing on wall, in gardens.

## MONOCOTYLEDONS

## APONOGETONACEAE

**Potamogeton indicus** Roxb.

In ponds.

## HYDROCHARITACEAE

**Ottelia alismoides** (Linn.) Pers.

In shallow water.

## ORCHIDACEAE

**Vanda roxburghi** Br.

In gardens.

## AMARYLLIDACEAE

**Agave americana** Linn.

In orchards, wild and cultivated both.

**Amaryllis belladonna** Linn.

Garden plant, flowers tubular.

## LILIACEAE

**Asparagus plumosus** Baker

In gardens, fern like.

**Gloriosa superba** Linn.

White flowered garden plant.

**Hemerocallis fulva** Linn.

Garden lily.

**Uriginea indica** (Roxb.) Kunth.

Common in rainy season amongst grasses.

**Yucca gloriosa** Linn.

Both wild and cultivated.

## COMMELINACEAE

**Commelina salicifolia** Roxb.

Side of water, membranaceous leaves.

## PALMAE

**Areca triandra** Roxb.**Calamus tenuis** Roxb.

**Caryota mitis** Lour.  
**C. urens** Linn.  
**Licula spinosa** Thunb.  
**Livistonia chinensis** R. Br. ex Martius.  
**Phoenix rupicola** T. Anders.  
**Raphis flabellifer** Ait.  
**Roystonea regia** (H. B. & K.) C. F. Cook.  
 All palms ornamental, in gardens.

## PANDANACEAE

**Pandanus tectorius** Soland ex Parkinson  
 Wild, called Kevara.

## CYPERACEAE

**Scirpus levis** Retz.  
 Weed.  
**S. supinum** Linn.  
 Along water canals.

## GRAMINAE

**Arundo donax** Linn.  
 Hardy grass along road sides.  
**Bambusa nana** Roxb.  
 In gardens, for making fancy sticks.  
**Echinochloa colonum** (Linn.) Link.  
 Wild grass.

**Saccharum spontaneum** Linn.

Called Kas, on the sides of rail-track.

**Setaria glauca** (Linn.) Beauv.

Weed, sometimes cultivated for cattle.

**Vetiveria zizanioides** (Linn.) Nash.

Wild, called Khas.

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