

A Contribution to the Flora of Gangolihat Block in Pithoragarh District

BY

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[Continued from Vol. 68 (3) : 790]

CAMPANULACEAE

Campanula colorata Wall. ex Roxb.

Herb with pale lilac flowers. Gangolihat, 2000 m (423).

ERICACEAE

Lyonia ovalifolia (Wall.) Drude (Loc. Yaanr).

Small tree with white flowers. Daula hill, 2000 m (5146).

Rhododendron arboreum Smith (Loc. Kafoo, Buronj).

Small tree with red flowers. Daula hill, 2000 m (5066).

PRIMULACEAE

Androsace umbellata (Lour.) Merr.

Herb with pink flowers. Mallagarkha, 1660 m (5058).

A. rotundifolia Hard.

Herb with deep pink flowers. Daula hill, 2230 m (5161).

Lysamachia lobelioides Wall.

Herb with pale purple flowers. Mallagarkha, 1660 m (5156).

Anagallis arvensis L.

Herb with bright blue flowers. Mallagarkha, 1660 m (5062).

MYRSINACEAE

Myrsine africana L. (Loc. Karyont)

Small shrub with dark red flowers. Daula hill, 2230 m (5126).

SAPOTACEAE

Diploknema butyracea (Roxb.) H. J. Lamb (Loc. Ghayus)

Large deciduous tree with cream-coloured flowers. Mallagarkha, 1660 m (5128).

OLEACEAE

Jasminum dispersum Wall.

Climbing shrub with fragrant white flowers. Gangolihat, 2000 m (5434).

J. grandiflorum L.

Climbing shrub with white flowers. Mallagarkha, 2000 m (5365).

Osmanthus fragans Lour. (Loc. Shilang)

Evergreen tree with very fragrant pale yellow flowers (planted). Daula hill, 2200 m (5374).

APOCYNACEAE

Carissa spinarum DC.

Spinous shrub with white flowers. Mallagarkha, 1660 m (5077).

Nerium indicum Mill. (Loc. Kaner)

Shrub with fragrant pink flowers (planted). Gangolihat, 2000 m (5227).

GENTIANACEAE

Gentiana argentea Royle

Herb with blue flowers. Nandan hill, 2330 m (5087).

G. capitata Buch.-Ham.

Herb with blue flowers. Goptari, 2000 m (5455).

Swertia paniculata Wall.

Herb with white flowers having purple blotches at the base. Mallagarkha, 1660 m (5387).

S. alata Royle

Herb with greenish-yellow flowers. Gangolihat, 2000 m (5440).

S. angustifolia Buch.-Ham.

Herb with white flowers having purple dots. Mallagarkha, 1660 m (5323).

BORAGINACEAE

Cynoglossum zeylanicum (Wall.) Thunb.

Herb with pale blue flowers. Gangolihat, 2000 m (5293).

CONVOLVULACEAE

Ipomoea nil (L.) Roth

Climbing herb with pale blue flowers. Gangolihat, 2000 m (5338).

I. purpurea Roth

Climbing herb with pink flowers. Mallagarkha, 1660 m (5364).

Evolvulus nummularius L.

Creeping herb with white flowers. Mallagarkha, 1660 m (5398).

Cuscuta reflexa Roxb. (Loc. Amar bale)

Leafless parasitic herb with white flowers. Gangolihat, 2000 m (5359).

SOLANACEAE

Solanum nigrum L.

Herb with white flowers. Mallagarkha, 1660 m (5289).

S. indicum L.

Herb with blue flowers. Pali, 1200 m (5171).

S. surattense Burm. f.

Prickly herb with blue flowers. Mallagarkha, 1600 m (5173).

Physalis minima L. (Loc. Nununi)

Herb with yellow flowers. Mallagarkha, 1660 m (5294).

Nicandra physaloides Gaertn.

Herb with pale purple flowers. Gangolihat, 2000 m (5348).

Datura stramonium L. (Loc. Dhatura)

Herb with white flowers. Gangolihat, 2000 m (5346).

D. suaveolens H. B. & K. ex Willd.

Herb with white flowers. Gangolihat, 2000 m (5193).

Cestrum nocturnum L. (Loc. Rat-ki-Rani)

Shrub with greenish-yellow flowers (planted). Gangolihat, 2000 m (5238).

SCROPHULARIACEAE

Verbascum thapsus L.

Pubescent herb with yellow flowers. Goptari, 2000 m (5102).

Antirrhinum orontium L.

Herb with pale pink flowers. Mallagarkha, 1660 m (5013).

Scrophularia himalensis Royle

Herb with greenish-purple flowers. Gangolihat, 2000 m (5413).

Mazus pumilus (Burm. f.) Steenis

Herb with pale blue or white flowers. Mallagarkha, 1660 m (5011).

Lindenbergia grandiflora Benth.

Rambling herb with bright yellow flowers. Daula hill, 2230 m (5383).

L. indica (L.) O. Kuntze

Herb with yellow flowers. Mallagarkha, 1660 m (5254).

Torenia cordifolia Roxb.

Herb with bluish-purple flowers. Goptari, 2000 m (5274).

Lindernia crustacea (L.) F. V. Muell.

Herb with pale purple flowers. Gangolihat, 2000 m (5431).

L. nummularifolia (D. Don) Wettst.

Herb with purple-red flowers. Gangolihat, 2000 m (5445).

Veronica anagallis-aquatica L.

Succulent herb with white flowers. Mallagarkha, 1660 m (5052).

Striga lutea Lour.

Herb with violet flowers. Goptari, 2000 m (5453).

Pedicularis carnosa Wall.

Herb with purple-pink flowers. Daula hill, 2000 m (5283).

OROBANCHACEAE

Orobanche epithymum DC.

Herb with reddish-brown flowers. Mallagarkha, 1660 m (5054).

GESNERACEAE

Rhynchoglossum obliquum Blume

Succulent herb with white flowers. Gangolihat, 2000 m (5363).

BIGNONIACEAE

Tecomaria capensis (Thunb.) Spach.

Scandent shrub with orange-red flowers (planted). Gangolihat, 2000 m (5165).

PEDALIACEAE

Sesamum indicum DC. (Loc. Til)

Herb with purple-pink flowers. Gangolihat, 2000 m (5299).

ACANTHACEAE

Pseudaechmanthera glutinosa (Nees) Brem.

Shrub with pale blue flowers. Mallagarkha, 1660 m (5034).

Goldfussia dalhousiana Nees

Shrub with dark blue flowers. Daula hill, 2230 m (5279).

Barleria cristata L.

Herb with lilac flowers. Daula hill, 2230 m (5100).

Justicia diffusa Willd.

Herb with pink flowers. Mallagarkha, 1660 m (5266).

Adhatoda vasica Nees (Loc. Basing)

Evergreen shrub with white flowers. Mallagarkha, 1660 m (5070).

Rungia pectinata (L.) Nees

Herb with bluish-white flowers. Mallagarkha, 1660 m (5324).

Dicliptera bupleuroides Nees

Herb with pink flowers. Mallagarkha, 1660 m (5045).

VERBENACEAE

Lantana indica Roxb.

Shrub with yellow or orange flowers. Mallagarkha, 1660 m (5197).

Clerodendrum japonicum (Thunb.) Sweet

Shrub with purplish-white flowers. Gangolihat, 2000 m (5218).

Caryopteris wallichiana Schauer

Shrub with bluish-white flowers. Bhruntam hill, 2660 m (5159).

LABIATAE (LAMIACEAE)

Plectranthus gerardianus Benth.

Undershrub with purplish-white flowers. Daula hill, 2230 m (5377).

P. striatus Benth.

Herb with white flowers. Gangolihat, 2000 m (5285).

P. japonicus (Burm. f.) Koidz

Undershrub with lavender-blue flowers. Gangolihat, 2000 m (5433).

P. mollis (Ait.) Spreng.

Herb with pale lavender-blue flowers. Mallagarkha, 1660 m (5349).

Pogostemon benghalensis (Burm. f.) O. Ktze.

Aromatic shrub with pinkish-white flowers. Mallagarkha, 1660 m (5288).

Colebrookea oppositifolia Sm.

Tomentose shrub with white flowers. Mallagarkha, 1660 m (5071).

Elsholtzia flava Benth.

Herb with white flowers. Gangolihat, 2000 m (5352).

E. fruticosa (D. Don) Rehder

Shrub with white flowers. Bhuvaneshwar, 2300 m (5397).

E. stachyodia (Link) Raiz. & Sax.

Herb with white flowers. Gangolihat, 2000 m (5395).

E. strobilifera Benth.

Herb with pale purple flowers. Gangolihat, 2000 m (5412).

Perilla frutescens (L.) Britt. (Loc. Bhaungir)

Aromatic herb with white flowers. Mallagarkha, 1660 m (5457).

Mentha spicata L. (Loc. Pudina)

Herb with lilac flowers. Mallagarkha, 1660 m (5308).

Origanum vulgare L.

Herb with pink flowers. Gangolihat, 2000 m (5357).

Micromeria biflora Benth.

Herb with pink flowers. Nandan hill, 2330 m (5007).

Calamintha umbrosa Benth.

Herb with lilac flowers. Mallagarkha, 1660 m (5001).

Salvia leucantha Cav.

Undershrub with white flowers. Gangolihat, 2000 m (5302).

Nepeta leucophylla Benth.

Herb with lilac flowers. Mallagarkha, 1660 m (5039).

Scutellaria prostrata Jacq.

Herb with pale purple flowers. Mallagarkha, 1660 m (5051).

S. discolor Colebr.

Herb with pale purple flowers. Gangolihat, 2000 m (5300).

Craniotome versicolor Reich.

Herb with pink flowers. Gangolihat, 2000 m (5450).

Stachys sericea Wall.

Herb with pink flowers. Jeebal, 2000 m (5116).

Lamium amplexicaule L.

Herb with purplish-red flowers. Mallagarkha, 1660 m (5027).

Roylea calycina (Roxb.) Briq.

Herb with pinkish-white flowers. Daula hill, 2230 m (5028).

Leucas lanata Benth.

Woolly herb with white flowers. Mallagarkha, 1660 m (5249).

L. cephalotes Spreng.

Herb with white flowers. Mallagarkha, 1660 m (5214).

Teucrium quadrifarium Buch.-Ham.

Herb with pink or purple flowers. Goptari, 2200 m (5422).

Ajuga bracteosa Wall.

Herb with pale blue flowers. Mallagarkha, 1660 m (5032).

A. parviflora Benth.

Herb with bluish flowers. Mallagarkha, 1660 m (5003).

PLANTAGINACEAE

Plantago tibetica Hk. f. & Thoms.

Stemless herb with green flowers. Mallagarkha, 1660 m (5113).

NYCTAGINACEAE

Mirabilis jalapa L. (Loc. Bhooyi)

Herb with white, yellow or crimson flowers (naturalized). Mallagarkha, 1660 m (5359).

AMARANTHACEAE

Amaranthus spinosus L.

Spiny herb with yellow-green flowers. Mallagarkha, 1660 m (5340).

A. hybridus L. subsp. cruentus Thell. var. paniculatus Thell. (Loc. Chu).

Herb with reddish-green flowers. Goptari, 2000 m (5317).

Cyathula tomentosa Moq.

Straggling undershrub with shining white flowers. Mallagarkha, 1660 m (5320).

Achyranthes bidentata Blume

Straggling undershrub with dull-green flowers. Mallagarkha, 1660 m (5280).

Alternanthera sessilis (L.) DC.

Prostrate herb with shining white flowers. Mallagarkha, 1660 m (5318).

Gomphrena celosioides Mart.

Herb with white flowers. Pali, 1400 m (5219).

CHENOPODIACEAE

Chenopodium album L. (Loc. Bathua)

Herb with green flowers. Mallagarkha, 1660 m (5080).

C. ambrosioides L.

Aromatic herb with green flowers. Gangolihat, 2000 m (5344).

POLYGONACEAE

Polygonum plebejum R.Br.

Prostrate herb with pale pink flowers. Mallagarkha, 1660 m (5134).

P. hydropiper L. subsp. **microcarpum** Danser var. **lenticularis** Danser
Herb with pink flowers. Mallagarkha, 1660 m (5016).

P. nepalense Meissn.

Herb with pinkish flowers in globose heads. Goptari, 2000 m (5006).

Fagopyrum cymosum Meissn. (Loc. Jangli Ugai)

Herb with pinkish-white flowers. Gangolihat, 2000 m (5209).

Rumex nepalensis Spreng.

Herb with greenish flowers. Mallagarkha, 1660 m (5250).

R. hastatus Don

Herb with pink flowers. Mallagarkha, 1700 m (5037).

PIPERACEAE

Peperomia reflexa A.Dietr.

Succulent herb with green flowers. Nandan hill, 2330 m (5068).

LAURACEAE

Cinnamomum tamala Nees & Eberm. (Loc. Keepari)

Evergreen tree with white flowers. Nandan hill, 2000 m (5107).

LORANTHACEAE

Taxillus vestitus (Wall.) Danser (Loc. Vana)

Semiparasitic shrub with brown tomentose flowers. Goptari, 2000 m (5175).

Korthalsella opuntia (Thunb.) Merr.

A green leafless plant forming nearly erect tufts on *Quercus incana*. Goptari, 2230 m (5336).

Viscum nepalense Spreng.

A green leafless plant forming pendulous tufts on *Quercus incana*. Bhruhtam hill, 2660 m (5174).

V. album L.

A yellow green, erect, tufted, leafy parasitic plant on *Quercus incana*. Gangolihat, 2000 m (5405).

SANTALACEAE

Osyris wightiana Wall. ex Wight

Small evergreen tree with yellow flowers. Bhuvaneshwar, 2300 m (5065, 5385).

EUPHORBIACEAE

Euphorbia hypericifolia L.

Herb with minute involucre. Bhrugtam hill, 2660 m (5291).

E. royleana Boiss. (Loc. Shyun)

Cactus-like shrub with yellow involucre. Mallagarkha, 1660 m (5386).

E. helioscopia L.

Herb with 4-toothed yellow involucre. Mallagarkha, 1660 m (5099).

E. hirta L.

Herb with pinkish-green involucre. Mallagarkha, 1660 m (5255).

E. geniculata Muell.-Orteg.

Herb with yellowish-green involucre. Mallagarkha, 1660 m (5239).

Emblica officinalis Gaertn. (Loc. Aoula)

Small tree with yellowish-green flowers (cultivated). Gangolihat, 2000 m (5097).

Phyllanthus urinaria L.

Herb with yellowish-green flowers. Mallagarkha, 1660 m (5275).

P. parvifolius Buch.-Ham.

Half-prostrate shrub with purple-brown flowers. Gangolihat, 2000 m (5356).

Ricinus communis L.

Tall shrub with green flowers. Mallagarkha, 1700 m (5328).

Acalypha brachystachya Hornem.

Straggling herb with pale green flowers. Mallagarkha, 1660 m (5298).

Sapium insigne Trimen (Loc. Khini)

Small tree with yellow flowers. Mallagarkha, 1660 m (5120).

Excoecaria acerifolia F. Diedr.

Tree with yellow flowers. Gangolihat, 2000 m (5353).

CANNABINACEAE

Cannabis sativa L. (Loc. Bhang)

Tall herb with pale yellow flowers. Mallagarkha, 1700 m (5050, 5061).

URTICACEAE

Urtica parviflora Roxb. (Loc. Sin)

Stinging herb with green flowers. Mallagarkha, 1660 m (5341).

Girardiana palmata (Forsk.) Gaud. (Bhansi-sin)

Herb with green flowers. Mallagarkha, 1660 m (5316).

Pilea scripta Wedd.

Herb with minute green flowers. Mallagarkha, 1660 m (5339).

Boehmeria platyphylla Don (Loc. Garpat)

Shrub with nearly white flowers. Mallagarkha, 1660 m (5304).

Pouzolzia zeylanica (L.) Benn.

Herb with green flowers. Mallagarkha, 1660 m (5267).

Debregeasia hypoleuca Wedd. (Loc. Tysyar)

Pubescent shrub with whitish flowers. Daula hill, 2230 m (5399).

MORACEAE

Ficus religiosa L. (Loc. Pipal)

Large deciduous tree with sessile depressed figs. Pali, 1200 m (5287).

F. clavata Wall.

Shrub with solitary ovoid figs. Mallagarkha, 1660 m (5278).

F. hispida L.f. (Loc. Timue)

Small tree with clustered globose figs. Mallagarkha, 1660 m (5208).

F. semicordata Buch.-Ham. ex J.E. Smith (Loc. Khinm.)

Small tree with globose figs. Mallagarkha, 1660 m (5118).

F. palmata Forsk. (Loc. Beru)

Shrub or small tree with edible figs. Mallagarkha, 1700 m (5117).

F. glomerata Roxb. (Loc. Umar)

Tall tree with pyriform figs. Mallagarkha, 1660 m (5207).

JUGLANDACEAE

Juglans regia L. (Loc. Akhrot)

Large tree with green flowers (cultivated). Gangolihat, 2000 m (5170).

MYRICACEAE

Myrica nagi Thunb. (Loc. Kaiphal)

Small dioecious tree with fleshy red drupes. Daula hill, 2500 m (5114).

BETULACEAE

Alnus nepalensis D. Don (Loc. Utees)

A large tree with male drooping catkins. Daula hill, 2230 m (5382).

FAGACEAE

Quercus lanuginosa Don (Loc. Latoo)

Goptari, 2500 m (5144).

Q. incana Roxb. (Loc. Banjh)

Daula hill, 1700 m (5046).

Q. glauca Thunb. (Loc. Kautounj)

Gangolihat, 2000 m (5236).

SALICACEAE

Salix wallichiana Anders. (Loc. Phabs)

Small tree. Daula hill, 2230 m (5106).

S. babylonica L.

Small tree with drooping branches. Rayeagar, 2000 m (5067).

GYMNOSPERMS

PINACEAE

Pinus roxburghii Sarg. (Loc. Chil)

A tall tree, common throughout the area from 1000-1700 m (5350).

Cedrus deodara Loud. (Loc. Deodar)

A large handsome tree with horizontal branches, forming pure communities between 1700-2700 m particularly on northern slopes. (5392).

MONOCOTYLEDONS

ORCHIDACEAE

Microstylis wallichii Lindl.

Terrestrial herb with purplish-green flowers. Goptari, 2000 m (5411).

Dendrobium alpestre Royle

Epiphytic herb with reddish-white flowers. Goptari, 2200 m (5463).

D. amoenum Wall.

Epiphytic herb with purplish-white flowers. Daula hill, 2230 m (5131).

Eria alba Lindl.

Terrestrial herb with fragrant white flowers. Daula hill, 2230 m (5243).

Coelogyne cristata Lindl.

Terrestrial herb with purplish-white flowers. Daula hill, 2230 m (5149).

Pholidota articulata Lindl. var. **griffithii** K. & P.

Epiphytic herb with white flowers. Daula hill, 2230 m (5109).

Cymbidium giganteum Wall.

Epiphytic herb with brownish-red flowers. Daula hill, 2230 m (5179).

Vanda cristata Lindl.

Epiphytic herb with yellowish-green flowers. Bhrugetam hill, 2200 m (5115).

Habenaria edgeworthii Hook.

Terrestrial herb with greenish-yellow flowers. Bhuvaneshwar, 2230 m (5384).

Herminium angustifolium Benth.

Terrestrial herb with small green flowers. Bhuvaneshwar, 2500 m (5409).

Satyrium nepalense Don

Terrestrial herb with fragrant pink flowers. Bhuvaneshwar, 2300 m (5406).

ZINGIBERACEAE

Roscoea purpurea Wall.

Robust herb with dark purple flowers. Daula hill, 2230 m (5371).

Cautleya spicata Baker (Loc. Van haldi)

Herb with yellow flowers. Bhuvaneshwar, 2700 m (5372).

HAEMODORACEAE

Mondo intermedium (Don) Bailey

Tufted herb with white flowers. Bhrugtam hill, 2600 m (5180).

IRIDACEAE

Iris sp.

Perennial herb with purplish flowers. Goptari, 2000 m (5347).

AMARYLLIDACEAE

Hypoxis aurea Lour.

Stemless herb with yellow flowers. Daula hill, 2230 m (5154).

AGAVACEAE

Agave wightii Dr. & Prain (Loc. Rambans)

Perennial herb with rosette of ensiform leaves. Mallagarkha, 1660 m (5314).

DIOSCOREACEAE

Dioscorea sativa L. (Loc. Geeti)

A climber with stem bearing numerous bubils. Mallagarkha, 1660 m (5345, 5393).

D. glabra Roxb.

Climbing herb. Mallagarkha, 1660 m (5313, 5390).

LILIACEAE

Smilax aspera L.

Prickly climbing shrub with white flowers. Goptari, 2000 m (5362).

Polygonatum multiflorum All.

Herb with greenish-white drooping flowers. Daula hill, 2230 m (5158).

Asparagus filicinus Buch.-Ham.

An unarmed climbing shrub. Nandan hill, 2330 m (5192).

A. adscendens Roxb.

A straggling prickly shrub. Nandan hill, 2300 m (5149).

PONTEDERIACEAE

Monochoria vaginalis Presl.

Marshy herb with blue flowers. Mallagarkha, 1660 m (5319).

COMMELINACEAE

Commelina diffusa Burm. f.

Diffuse herb with dark blue flowers. Mallagarkha, 1660 m (5372).

Cyanotis cristata (L.) D. Don

Decumbent herb with blue flowers. Mallagarkha, 1660 m (5335).

JUNCACEAE

Juncus bufonius L.

Tufted herb with green flowers. Mallagarkha, 1660 m (5040).

PALMAE (ARECACEAE)

Phoenix sylvestris Roxb. (Loc. Thakav)

A tall graceful palm. Mallagarkha, 1660 m (5205).

ARACEAE

Arisaema helliborifolium Schott.

Herb with two pedately compound leaves. Mallagarkha, 1660 m (5190).

A. consanguineum Schott. (Loc. Shial Ghoge)

Herb with a solitary leaf. Goptari, 2000 m (5330).

CYPERACEAE

Cyperus brevifolius (Rottb.) Hassk.

A sedge with green spikelets. Mallagarkha 1660 m (5239).

C. paniceus (Rottb.) Boeck.

A sedge with green spikelets. Mallagarkha, 1660 m (5256).

C. distans L.f.

A sedge with dark brown spikelets. Mallagarkha, 1500 m (5302).

GRAMINEAE (POACEAE)

Panicum plicatum Lamk. (Loc. Ganyar)

An erect or ascending grass. Mallagarkha, 1660 m (5212).

Setaria glauca Beauv.

Annual grass with pale brown spikelets. Mallagarkha, 1660 m (5250).

Coix lachryma-jobi L.

Erect annual grass. Mallagarkha, 1660 m (5303).

Erianthus fulvus Nees

Tall grass with greyish-white silky panicles. Mallagarkha, 1660 m (5438).

Alopecurus geniculatus L.

Decumbent herb with yellowish-green spikelets. Mallagarkha, 1660 m (5005).

Themeda triandra Forsk.

Perennial grass with reddish-brown spikelets. Mallagarkha, 1660 m (5312).

Agrostis alba L.

Tufted grass with pale-green spikelets. Mallagarkha, 1660 m (5437).

Sorghum halepense (L.) Pers.

Tall grass with purplish spikelets. Mallagarkha, 1660 m (5354).

Tripogon abyssinicus Nees

A perennial tufted grass. Mallagarkha, 1660 m (5402).

Phragmites communis Trin.

Tall grass with purplish-brown panicles. Daula hill, 2000 m (5059).

Neyraudia madagascariensis Hk.

Tall grass with shining purplish-brown panicles. Mallagarkha, 1660 m (5321).

ACKNOWLEDGEMENTS

The authors record their grateful thanks to Professor V. Puri and Dr. Y. S. Murty for their valuable suggestions and keen interest in this study.

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Singh, V and Singh, H. 1972. "A Contribution To the Flora of Gangolihat Block in Pithoragarh District." *The journal of the Bombay Natural History Society* 69, 352–368.

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