

length, outer surface densely silky hairy, inner surface glabrous. Stamens numerous, adnate to the petals, c. 5 mm long; filaments c. 1 mm long, glabrous; anthers oblong, apiculate, hairy. Ovary oblong, 2-3 mm long, densely silky-hairy, 5-locular, ovules numerous in each loculus; style 1, 5-10 mm long, densely silky-hairy up to the subapical portion; stigma subtruncate. Young capsule ovoid, densely silky-hairy, mature fruit not seen.

Type : Myanmar : Tenasserim, Jaepo, 5000' (1520 m). 17.4.1877, *George Gallatly* 829A (Holotype: CAL; Isotypes: 829B, C, D, E, F, CAL).

Fl.: April.

Adinandra collettiana is similar to *A. gallatlyi* R. N. Paul but differs in its leaves being acute, obtuse or subacuminate at apex, the margin

serrated towards the apex, the lower surface with appressed simple hairs, the pedicel shorter (1.5-2 cm), and distinctly recurved, the petals acuminate at the apex and the longer stamens (c. 5 mm) whereas *A. gallatlyi* has leaves with short acuminate apices, the margins entire, the lower surface glabrous, the pedicel longer (3.2-3.5 cm), slightly bent, the petals obtuse to acute at apex and the stamens shorter (c. 3 mm).

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WILD ORNAMENTALS OF PAURI GARHWAL

The Pauri district of Garhwal Himalaya lies in between 30°-0'N latitudes and 78°-46'E longitudes sharing with the outer Himalayan ranges with altitudinal variations in between 1350 m to 2200 m above sea level. The flora of the area is very rich in its biological diversity having considerable economical and medicinal potentiality.

During the course of floristic exploration of the area (1979-85), a number of wild plants having ornamental value have been noted, which can be introduced in the gardens for their beautiful flowers, fruits, foliage etc. Such plants were selected and observed regularly during different seasons in order to know the colour of flowers, fruits etc., for evaluating their ornamental importance. The correct time of flowering and fruiting was noted in the field during the course of such studies.

The present paper deals with the 35 most common ones. These have been arranged

alphabetically. For each species correct binomial, basionym if any, family to which it belongs, local name if any in inverted commas, flower colour, fruit colour if interesting, flowering and fruiting season etc., have been given in the enumeration.

It has been observed that a number of plants lurking in wilderness can be introduced in gardens and parks in hilly areas for their ornamental value without much expenditures and efforts. These plants with better range of tolerance have less risk of mortality due to diseases and other reasons. The seeds can be collected in case of annuals and seedlings/cuttings can be gathered easily in case of trees, shrubs and other woody plants for the purpose.

1. *Androsace lanuginosa* Wall. (Primulaceae)

Decumbent perennial herb up to 15 cm high.

Fl. pink or white in umbels; Aug. Oct.

2. **Anemone vitifolia** Buch.-Ham. ex DC.
(Ranunculaceae)
Perennial tomentose herb up to 50 cm tall. Fl. white, 2.5-3 cm across, solitary or few, terminal on long stalk; Aug. - Sept.
3. **Begonia picta** Sm. (Begoniaceae)
Succulent herb with radical leaves having violet ventral surface. Fl. pinkish; Aug. - Sept.
4. **Bergenia ciliata** (How.) Sternb. *Megasea ciliata* Haw. (Saxifragaceae) "Pathar-chatta", "Pasar-bhed"
Fleshy rhizomatous perennial herb with thick showy radical leaves having pinkish ventral surface. Fl. pinkish; Feb.-Apr.
5. **Chirita bifolia** D. Don (Gesneriaceae)
Erect herb with 1 or 2 broadly quadrate thick leaves. Fl. blue, ca 5 cm across; July - Aug.
6. **Clematis grata** Wall. (Ranunculaceae)
Climber. Fl. white in dense panicles; Sept.-Oct.
7. **Cotinus coggygia** Scop. (Anacardiaceae)
"Jal-toong"
Shrub up to 1.5 m tall. Fl. yellow in 40-50 cm long effuse panicles. Fr. pink, hairy, persistent; May - Aug.
8. **Cotoneaster microphyllus** Wall. ex Lindl. (Rosaceae)
Shrub with prostrately spreading branches. Fl. white in clusters; May - June.
9. **Cymbidium macrorhizon** Lindl. (Orchidaceae)
Fleshy pinkish herb with pinkish flowers up to 15 cm tall; July- Sept.
10. **Daphne papyracea** Wall. ex Steud. (Thymelaeaceae) "Satpura"
Undershrubs up to 1 m tall. Fl. snow white in terminal sessile clusters. Fr. reddish, persistent; Feb. - May.
11. **Delphinium denudatum** Wall. ex Hook.f. et Thoms. (Ranunculaceae)
Erect herb up to 40 cm tall. Fl. violet with long spur, 3-4 cm long; Aug. - Sept.
12. **Geranium wallichianum** D. Don ex Sw. (Geraniaceae)
Decumbent perennial herb with bluish-purple flowers; July-Sept.
13. **Gerbera gossypina** (Royle) Beauv. *Chaptalia gossypina* Royle (Asteraceae)
Scapigerous large woolly herb, heads ca 3 cm across, flowers pinkish - white; Mar. - Apr.
14. **Hedera nepalensis** Koch. (Araliaceae)
Evergreen climbing shrubs with shining thick leaves, growing encircling the tree trunk. Fl. greenish - white; Jan.
15. **Hedychium spicatum** Buch.-Ham. ex Sm. (Zingiberaceae)
Herb up to 1 m tall. Fl. large, red; Aug. - Oct.
16. **Houttuynia cordata** Thunb. (Soururaceae)
Ascending herb. Fl. in oblong spikes, subtended by white petaloid bracts, ca 2 cm across; Apr.-June.
17. **Hypericum oblongifolium** Choisy (Hypericaceae)
Erect perennial herb up to 40 cm tall. Fl. yellow, ca 4 cm across; Aug.-Sept.
18. **Inula cappa** (Buch.-Ham. ex D. Don) DC. *Conyza cappa* Buch.-Ham. ex D. Don (Asteraceae)
Silky tomentose shrub with thick leaves and yellow heads; Mar.- Apr.
19. **Kalanchoe laciniata** (L.) DC, *Cotyledon laciniata* (Linn.) Medic. (Crassulaceae)
Small erect succulent herb with variegated stem and minute leaves. Fl. dull-white; June-Aug.
20. **K. pinnata** (Lam.) Pers. *Cotyledon pinnatum* Lam.
Succulent herb up to 50 cm tall. Fl. yellow; Oct.-Dec.
21. **Ophiopogon intermedius** D. Don (Haemodoraceae)
Epiphytic or terrestrial slender grass like perennial herb. Fl. silvery-white in nodding racemes; July-Sept.

- 22. *Osbeckia stellata*** Buch.-Ham. ex D. Don (Melastomataceae)

Undershrubs up to 75 cm tall. Fl. large, pink, 5-6 cm across; Aug. - Oct.

- 23. *Parnassia nubicola*** Wall. ex Royle (Saxifragaceae)

Herb with radical leaves. Scape long with solitary large white flowers at the top; Aug. - Sept.

- 24. *Potentilla fulgens*** Wall. ex Hook. (Rosaceae)

Procumbent perennial herb with attractive silvery-white radical leaves. Fl. yellow; Sept. - Oct.

- 25. *Primula denticulata*** Sm. (Primulaceae)

Scapigerous annual herb up to 15 cm long. Fl. white or bluish-white in globose umbel; Feb. Apr.

- 26. *Prunus cerasoides*** D. Don (Rosaceae) "Panyian"

Deciduous small tree, flowering profusely before leaf formation. Fl. pinkish white; Feb. Apr.

- 27. *Pyracantha crenulata*** (D. Don) Roem. *Mespilus crenulata* D. Don (Rosaceae) "Ghingharu"

Armed spreading shrub up to 2 m tall. Fl. small, white in bunches with several together. Fr. orange-red, smooth, long persistent; Mar.-Aug.

- 28. *Pyrus pashia*** Buch.-Ham. ex D. Don (Rosaceae) "Melu"

Deciduous armed small tree, profusely and densely flowering after the leaf fall. Fl. pinkish white; Feb.-Apr.

- 29. *Reinwardtia indica*** Dumort. (Linaceae) "Feunli"

Ascending or spreading herb with bell shaped canary yellow flowers; Feb. - Apr.

- 30. *Rhododendron arboreum*** Sm. (Ericaceae) "Bhurans"

Medium sized tree with showy red flowers in hemispheric clusters; Feb.-Mar.

- 31. *Rosa brunonii*** Lindl. (Rosaceae) "Kunja", "Jangali Gulab"

Subdeciduous profusely flowering shrub. Fl. white, fragrant, 5-6 cm across; Mar.-Apr.

- 32. *Rosularia adenotricha*** (Wall. ex Edgew.) Jansson, *Sedum adenotrichum* Wall. ex Edgew. (Crassulaceae)

Scapigerous succulent herb up to 25 cm tall. Fl. reddish or dull-white in branched racemes; Apr.-Aug.

- 33. *Salvia lanata*** Roxb. (Lamiaceae) "Ghania"

Acaulescent annual herb up to 12 cm tall. Fl. blue in compact elongated spikes; Mar. - Apr.

- 34. *Satyrium nepalense*** D. Don (Orchidaceae)

Terrestrial scapigerous herb up to 40 cm tall. Fl. pink; Aug.- Sept.

- 35. *Valeriana jatamansi*** Jones (Valerianaceae) "Sameva"

Annual fragrant herb with white flowers in diffuse cymes; Mar.- Apr.

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