

List of colour Photographs:

Plate-1. *Dendrobium* species cultivated in earthen pots with brick, charcoal and dry wood medium as a means of ex-situ conservation.

Plate-2. *Dendrobium* species in vegetative and flowering condition grown artificially in tree barks in Experimental garden, Barapani, Botanical garden, Botanical Survey of India, Shillong as a means of ex-situ conservation.

Plate-3. (a). Tropical forests in west Kameng district in Arunachal Pradesh; **(b, c & d).** Sub-Tropical evergreen and semi evergreen forests along the river Kameng in Arunachal Pradesh; **(e).** Tropical to sub-tropical forests in Arunachal Pradesh; **(f).** Tropical evergreen and semi-evergreen forests in Arunachal Pradesh.

Plate-4. (a, c, e, f). Tropical forests in Assam; **(b).** Tropical deciduous Sal forests in Assam (plantation); **(d).** Tropical evergreen forests in Assam.

Plate-5 (a). Tropical deciduous forests in Assam; **(b).** Tropical semi-evergreen forests in Assam; **(c).** Tropical forests in Assam; **(d).** Tropical forests in Nongpoh (Meghalaya); **(e).** Subtropical Pine forests in Garo hills (Meghalaya); **(f).** Sub-tropical forests (Mawdok valley) in Meghalaya.

Plate-6.(a). Sub-Tropical evergreen to Temperate forests in Meghalaya; **(b).** A view of Bangladesh through Meghalaya border Dawki; **(c).** Subtropical to Temperate forests (Tanga valley) on the way to Bomdila in Arunachal Pradesh; **(d & e, f).** Subtropical to Temperate forests in Arunachal Pradesh in North East Region of India.

Plate-7. (a, b). Tropical to subtropical forests along the River Teesta in Sikkim; **(c).** Temperate to Sub-Alpine coniferous forests on the way to Tsango Lake in Sikkim; **(d & e).** Temperate to Sub-Alpine vegetation in Sikkim; **(f).** Alpine vegetation along Kapup Lake in Sikkim.

Plate-8. Host plant species showing orchid habitat including *Dendrobium* species epiphytic in trunks and branches of trees covered with mosses in vegetative condition.

Plate-9. *Dendrobium* species in natural habitat being epiphytic on trunks and branches of Host plant species in flowering condition.

Plate-10. *Dendrobium* species in natural habitat being epiphytic on trunks and branches of Host plant species in flowering condition.

Plate-11. *Dendrobium* species in natural habitat being epiphytic on trunks and branches of Host plant species in flowering condition.

Plate-12. (a & b). A local Khasi tribe of Meghalaya carrying clumps of full bloom of *Dendrobium lituiflorum* Lindl. along with other species of *Dendrobium* offering for sale; **(c).** Clumps of different species of orchids including *Dendrobium* species exposed for sale by local in the vicinity of Police Bazar, Shillong (Meghalaya); **(d).** A view of deforestation in Sessa, west Kameng district of Arunachal Pradesh.

Plate-13. (a & b). *Dendrobium spatella* Reichb.f.; **(c).** *Dendrobium keithii* Ridl. ; **(d & e).** *Dendrobium anceps* Sw.; **(f).** *Dendrobium mannii* Ridl.; **(g).** *Dendrobium terminale* Par. & Reichb. f.; **(h).** *Dendrobium nathanielis* Reichb. f.

Plate-14. (a & b). *Dendrobium aduncum* Wall. ex Lindl.; **(c).** *Dendrobium stuposum* Lindl.; **(d & e).** *Dendrobium bicameratum* Lindl.; **(f).** *Dendrobium dantaniense* Guill. **(g).** *Dendrobium praecinatum* Reichb. f.

Plate-15. (a). *Dendrobium palpebrae* Lindl.; (b). *Dendrobium thyrsiflorum* Reichb.f.; (c). *Dendrobium farmeri* Paxt.; (d & e). *Dendrobium densiflorum* Lindl. (f). *Dendrobium sulcatum* Lindl.; (g & h). *Dendrobium chrysotoxum* Lindl.; (i). *Dendrobium jenkinsii* Wall. ex Lindl.

Plate-16. (a & b). *Dendrobium aphyllum* (Roxb.) Fischer; (c). *Dendrobium amoenum* Wall. ex Lindl.; (d). *Dendrobium aurantiacum* Reichb.f.; (e & f). *Dendrobium assamicum* Chowdhury; (g). *Dendrobium bensonae* Reichb. f.

Plate-17. (a). *Dendrobium brymerianum* Reichb. f.; (b). *Dendrobium candidum* Wall. ex Lindl.; (c & d). *Dendrobium ruckeri* Lindl. (e). *Dendrobium capillipes* Reichb.f.; (f). *Dendrobium parishii* Reichb. f.; (g & h). *Dendrobium chrysanthum* Lindl.

Plate-18. (a & b). *Dendrobium chryseum* Rolfe; (c & d). *Dendrobium crepidatum* Lindl.; (e & f). *Dendrobium dickasonii* L. O. Williams; (g). *Dendrobium hookerianum* Lindl.

Plate-19. (a & e). *Dendrobium falconeri* Hook.; (b & d). *Dendrobium devonianum* Paxt.; (c). *Dendrobium gibsonii* Lindl.; (f). *Dendrobium heterocarpum* Wall. ex Lindl.; (g). *Dendrobium khasianum* Deori

Plate-20. (a & b). *Dendrobium fimbriatum* Hook.; (c & d). *Dendrobium fimbriatum* var. *oculatum* Hook.; (e & f). *Dendrobium lituiflorum* Lindl.

Plate-21. (a & b). *Dendrobium moschatum* (Buch.-Ham.) Sw.; (c & d). *Dendrobium nolile* Lindl.; (e). *Dendrobium pendulum* Roxb.; (f). *Dendrobium wardianum* Warner

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Plate- 24. (a, b). *Dendrobium longicornu* Lindl. **(c).** *Dendrobium infundibulum* Lindl.; **(d).** *Dendrobium wattii*. (Hook.f.) Reichb.f.; **(e, f).** *Dendrobium bellatulum* Rolfe; **(g).** *Dendrobium formosum* Roxb. ex Lindl.

Plate-25. (a & b) *Dendrobium catcarthii* Hook. f.;

Plate-26. (a, b & c). *Dendrobium cumulatum* Lindl.; **(d).** *Dendrobium herbaceum* Lindl. **(e & f).** *Dendrobium sociale* J.J. Sm.

Plate-27. (a, b & c). *Dendrobium podagraria* Hook.f.

Plate-28. (a, b, c & d). *Dendrobium numaldeorii* C. Deori, Hynniewta *et* Phukan *sp. nov.* **(e & f).** *Dendrobium eriaeflorum* Griff.

Plate-29. (a). *Dendrobium eriaeflorum* Griff.; **(b).** *Dendrobium monticola* Hunt & Summerh.; **(c).** *Dendrobium porphyrochilum* Lindl.; **(d).** *Dendrobium denudans* D. Don; **(e & f).** *Dendrobium pchnostachyum* Lindl.; **(g).** *Dendrobium peguanum* Lindl.

Plate-30. (a & b). *Dendrobium kentrophyllum* Hook. f.; **(c & d).** *Dendrobium parciflorum* Reichb.f. ex lindl.