

MICROPROPAGATION AND SCREENING BASED ON POLYPHENOL AND ANTIOXIDANT POTENTIAL OF SIX MEDICINAL ORCHIDS IN MEGHALAYA



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The e-book “Micropropagation and Screening Based on Polyphenol and Antioxidant Potential of Six Medicinal Orchids in Meghalaya” documents six medicinal orchids viz. *Aerides odorata* Lour., *Bulbophyllum odoratissimum* Lindl., *Cephalantheropsis obcordata* (Lindl.) Ormerod, *Crepidium acuminatum* (D.Don) Szlach. (syn. *Malaxis acuminata* D.Don), *Dendrobium chrysotoxum* Lindl. and *Dendrobium nobile* Lindl. were studied for conservation through *in vitro* propagation methods; evaluation of secondary metabolites in different plant parts; characterization of phytochemical compounds; and quantitative estimation (through HPLC Chromatograms) of phytoconstituents. The e-book is anticipated to be a good a reference material for similar studies on other species and will be useful for the researchers, students, stakeholders, academicians and conservation enthusiasts.



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