
BIODIVERSITY OF GYMNOSPERM IN PU HOAT NATURE RESERVE

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SUMMARY

The research has been conducted in 21 tracks and 30 standard forest plots in Pu Hoat Nature reserve. The results showed that there are 10 Gymnosperm species (*Fokienia hodginsii* (Dunn) A.Henry & H.H.Thomas; *Calocedrus macrolepis* Kurz; *Cycas dolichophylla* K.D.Hill, H.T.Nguyen & P.K.Loc; *Gnetum montanum* Markgr.; *Keteleeria evelyniana* Mast.; *Dacrycarpus imbricatus* (Blume) de Laub.; *Nageia fleuryi* (Hickel) de Laub.; *Podocarpus neriifolius* D.Don; *Amentotaxus yunnanensis* H.L.Li and *Cunninghamia konishii* Hayata) of 10 genera and 7 families recorded in Pu Hoat Nature reserve. All of them were collected specimens and deposited in Vietnam National University of Forestry and Pu Hoat Nature reserve. Three species are newly recorded for Pu Hoat Nature reserve (*Cycas dolichophylla*, *Keteleeria evelyniana* and *Amentotaxus yunnanensis*). There are 4 threatened plant species listed in Vietnam Red Data Book II. Plants (2007). The diversity of Gymnosperm species in West and Northwest of Pu Hoat Nature Reserve region is quite high. The Gymnosperm species mostly distributed from above 700 m a.s.l., in tropical and subtropical evergreen forests. The in-situ and ex-situ conservation effort need to carry out in the research area in order to protect them, if not they will be threatened or even disappeared soon in the near future.

Keywords: Conservation, Gymnosperm, Pu Hoat.

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