
SPECIES COMPOSITION AND CONSERVATION VALUE OF FAGACEAE FAMILIA IN VU QUANG NATIONAL PARK, HA TINH PROVINCE

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SUMMARY

The species composition of Fagaceae in Vu Quang National Park, Ha Tinh province is quite abundant with 67 species belonging to 5 genera which are accounting for 30.46% compared to total 220 species of Vietnam. Compared to previously published, this study at Vu Quang has identified a new genus named *Trigonobalanus* and 7 new species. Fagaceae families in the study site are high in conservation value with 12 endangered species, which were 10 endangered species (VU) and 2 endangered species (EN). The Fagaceae species in this area mainly distribute in the lowland evergreen forest at an altitude of 300 - 1000 m and the highland evergreen forest, with the height of 1400 - 1900 m. Especially *Trigonobalanus verticillata* Forman only appears at an altitude of approximately 1700 m up to sea level. The study has shown some characteristics of new species discovered at Vu Quang National Park, including *Castanopsis annamensis* Hance, *Castanopsis Chinensis* (Spreng.) Hance, *Lithocarpus fenestratus* (Rhub.) Rehd, *Lithocarpus vuquangensis* Ngoc & Hung sp. Nov. (in ed.), *Lithocarpus obovalifolius* (Hick & A. Camus, *Quercus platycalyx* Hickel & A. Camus, *Trigonobalanus verticillata* Forman. Especially, from seven species above; *Lithocarpus vuquangensis* Ngoc & Hung sp. Nov. (in ed.) was the new species discovered for science.

Keywords: Conservation, fagaceae, species composition, Vu Quang National Park.

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