

## PD8) A Study on the Climate Change in Floral Diversity of *Daphne kiusiana* and *Asplenium scolopendrium* L. Nature Habitat (Local Monument No. 18, Jeju) at Seonheul in Jeju Island

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We investigate the *Daphne kiusiana* and *Asplenium scolopendrium* L. nature habitat (local monument No. 18, Jeju) on the species for climate change in the summit area at Seonheul in Jeju Island, Republic of Korea. Field surveys were carried out from June to December of 2015 in various types of *D. kiusiana* and *A. scolopendrium* nature habitat at Seonheul in Jeju Island. The average temperature in Seonheul has gone up and down repeatedly over the year. However, an increase of 2 degrees celsius can be observed in 2015 compared to 1998. The results of the study showed that the flora of *D. kiusiana* and *A. scolopendrium* nature habitat consisted of a total of 248 taxa, with 80 families, 165 genera, 246 species and 2 varieties. As compared with the 229 species reported in the report of Kim et al.(1998), indicating an increase of 7 species of Pteridophyte, 3 species of Gymnosperm and 9 species of Angiospermae. The protected wild plants designated by the Ministry of the Environment were 2 species, including *Mankyua chejuense* and To be sure, steps such as periodic of monitoring and countermeasure to preserve the flora and vegetation of Korea should be taken, including tree species renewal for environment change.