

E-E3-07**Vegetation Structure of *Peucedanum japonicum* Thunb. Community in South Seaside of Korea**

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This study was conducted to evaluate the vegetation structure of the *Peucedanum japonicum* Thunb. community by use of phytosociological floristic composition table and ordination method in south seaside of Korea. The vegetation of *Peucedanum japonicum* Thunb. community was classified into 2 communities such as the *Miscanthus sinensis* community and the *Lysimachia mauritiana-Rosa wichuraiana* community. The *Carex boottiana* community and *Sedum oryzifolium* community were the lower rank of *Miscanthus sinensis* community. The phytosociological syntaxonomy by floristic composition table was similar to cluster and factor analysis of ordination method. In factor analysis of DCA ordination, the *Miscanthus sinensis* community with the *Peucedanum japonicum* Thunb. were wide ecological amplitude from coastline side to inland, and the optimum habitat of *Lysimachia mauritiana-Rosa wichuraiana* community was dry and sunny. The *Miscanthus sinensis* community was shown on islands coast, whereas the *Lysimachia mauritiana-Rosa wichuraiana* community was grown on land coast. The distribution and growing pattern of the *Peucedanum japonicum* Thunb. were good as it is flat and sunny in the coastline side.

†Corresponding author: (phone) +82-2-716-8373 (E-mail) hssong1@hanmail.net**E-E3-08****Geographical Distribution and Habitat Characteristics of *Lonicera japonica* in Korea**

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This study was carried out to investigate the natural habitats and ecology of *Peucedanum japonicum* as a part of evaluation for natural distribution and establishment of conservation plan for important native agro-plant resources in Korea. Habitats of *Lonicera japonica* were found in the whole country covering seashore, inland and mountainous areas. Geographical features of *Lonicera japonica* habitats were found at western slope in the base of a mountain areas. The average altitude of their habitats was 98.3m above sea level. Average density and coverage of *Peucedanum japonicum* were 2.13% and 18.0% respectively in their habitats. The number of native plant species growing with *Peucedanum japonicum* were found over 340 species. Dominant species growing with *Peucedanum japonicum* in their habitats were *Artemisia princeps* var. *orientalis*, *Rosa multiflora*, *Rubus parvifolius*, *Commelina communis*, *Miscanthus sinensis* var. *purpurascens*, *Coculus trilobus*, *Clematis apiifolia*, *Rubus crataegifolius* and the others in the order of their frequency. Mean yearly precipitation and temperature of habitats for *Peucedanum japonicum* were 970 to 1,688mm and 8.2°C to 15.2°C respectively. Soil pH and organic content of *Peucedanum japonicum* habitats were 5.4 and 6.3% respectively. Contents of total N, P₂O₅, K, Ca, Mg, and Na in their habitat soil were 0.19%, 19.2mg/kg, 0.31, 4.4, 1.37 and 0.12cmol+/kg respectively.

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