

A Taxonomic Revision of *Deutzia* Thunb. (Hydrangeaceae) in Korea

Ju Eun Jang¹, Mi Jung Choi², Dong Chan Son¹, Hyeok Jae Choi³ and Hee-Young Gil^{1*}

¹Researcher, Division of Forest Biodiversity, Korea National Arboretum, Pocheon, Korea

²Researcher, Department of Variety Examination, Korea Forest Seed and Variety Center, Chungju, Korea

³Professor, Department of Biology and Chemistry, Changwon National University, Changwon, Korea

A taxonomic revision of *Deutzia* in Korea was conducted based on critical observations of wild populations and herbarium specimens. Species delimitations were re-evaluated on the basis of morphological characters and distributions resulting in the recognition of five taxa. The texture of leaf, flower disk and capsules, the shape of leaf, inflorescence and capsules are useful diagnostic traits at the specific level. The five taxa are well distinguished from each other. *Deutzia grandiflora* var. *baroniana* can be distinguished by its distribution and calyx from *Deutzia uniflora*, which are morphologically similar. *Deutzia paniculata* Nakai, a rare and endemic plant, is characterized by having panicle in inflorescences. On the other hand, *Deutzia glabrata* Kom. is occasionally confused with *Deutzia parviflora*, but the most distinctive characters include the surface of leaves, the surface and size of capsules. Photographs and a key to five species of *Deutzia* were provided in addition to distribution.

[This research was supported by research projects of the Korea National Arboretum (KNA 1-1-18, 15-3).]

*(Corresponding author) warmishe@korea.kr, Tel: +82-031-540-8812