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## A Study of *Isoetes* L. in Korea

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*Isoetes* L. is a pteridophyte which belongs to Isoetaceae. It has various habitats of submersed, amphibious, terrestrial and alpine. It has two type of spores; megaspore and microspore. *Isoetes* was divided to four sections by the criteria of megaspore by N. E. Pfeiffer (1922). *Isoetes japonica* A. BR and *I. coreana* CHUNG et CHOI was reported in South Korea. Both species are submerged or amphibious. *I. coreana* (Sect. *Cristatae*) produces megaspore with irregular, branching crested ornaments on surface. The other species *I. japonica* (Sect. *Cristatae*) produces megaspore that has evidently reticulate ornaments. So these two species are distinguishable easily. But reconsideration of the fact whether *I. japonica* exist or not in South Korea has became to be required. Because a interesting *Isoetes* material was collected from Island Che-ju. This *Isoetes* differs from other *Isoetes* species on the base of many morphological characters. To confirm the identity and phylogenetic relationships among Korean *Isoetes* we compared ITS sequences for three taxa.

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