

## FLORA AND SPECIES DIVERSITY INDICES OF WATERSHEDS AT THE JUNGCHON STREAM IN HAPCHEON-GUN, KOREA

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### ABSTRACT

This study of the vegetation of the Jungchon Stream in Korea is examined river naturalness and vegetative composition of river riparian zones to identify their most important sources of variation. According to the existing phytosociological data, 21 families, 52 genera, 52 species, 7 varieties have been identified at upper region of this stream. Cover-abundance values of trees and shrubs were 1.67 and 2.63, respectively. The middle region was a total of 64 taxa, including 19 families, 54 genera, 56 species, and eight varieties. Naturalized plants were 20 species. The total transformed Braun-Blanquet value and r-NCD at middle area were 170 and 2,428.6, respectively. Cover-abundance value of shrubs was 3.29. The low region was a total of 48 taxa, including 15 families, 36 genera, 43 species, and five varieties. Riverbed area was dominated by the distribution of genus *Rumex*. The total transformed Braun-Blanquet value and r-NCD at middle area were 138 and 1,971.4, respectively. The spatial heterogeneity of environmental resources results in the variance seen in the spatial distribution of vegetation.

**Keywords:** Braun-Blanquet, Cover-abundance, Jungchon Stream, riparian vegetation.