

P3

### The Life Form (vascular plants) Analysis of Korean Peninsula

In-Taek Kim, Nan-Hee Yoo and Min-Seop Song

*Department of Biology, Changwon University, Changwon 641-773, Korea*

The life form(vascular plants) of Korean Peninsula area was investigated using by the methodology of Engler system, from April, 2006 to November, 2006. The investigation was based on the Coloured Standard Illustrations of Korean Plants(2003), Illustrated flora of korea(1980) and Lineamenta flora Korea(1996).

The results were obtained as follow; Vascular plants of this area consist of 327 forma, 931 varieties, 11 subspecies, 3,486 species, 1,164 genera, 193 families and 53 orders. A further Naturalized plants 285 species(6%), Endemic species 377 species(8%), Specified plants 1,061 species(22%), Endangered species I 8 species(0.1%), Endangered species II 56 species(1%).

The life form spectrum of Korean Peninsula based on the Raunkiaerian system was described as follows ; M(Microphanerophytes) 15.0%, N(Nanophanerophytes) 12.0%, E(Epiphyten) 1.0%, Ch(Chamaephytes) 4.0%, H(Hemicryptophytes) 29.0%, G(Geophyte) 18.0%, HH(Hydatophytes) 7.0%, Th(Therophytes) 14.0%.

Endangered species I in Korean Peninsula ; M 13.0%, N 0%, E 24.0%, Ch 13.0%, H 25.0%, G 25.0%, HH 0%, Th 0%. Endangered species II in Korean Peninsula ; M 7.0%, N 14.0%, E 4.0%, Ch 4.0%, H 21.0%, G 34.0%, HH 14.0%, Th 2.0%. Naturalized plants in Korean Peninsula ; M 1.0%, N 0.4%, E 0%, Ch 3.5%, H 30.2%, G 8.1%, HH 2.4%, Th 54.4%. Endemic plants in Korean Peninsula ; M 15.0%, N 20.0%, E 0.1%, Ch 2.0%, H 35.0%, G 19.0%, HH 3.0%, Th 6.0%.

P4

### Study on the Vegetation of Nakdong Riverside

In-Taek Kim, Chin-Ung Park and Se-Kyu Song

*Department of Biology, Changwon University, Changwon 641-773, Korea*

The vegetation of Nakdong riverside was investigated using the methodology of the Z-M school of phytosociology, from March, 2006 to October, 2006. In order to analyze the vegetation of this area, synthesis table, actual vegetation map were constructed. The waterside vegetation was classified into 20 communities(*Phragmites japonica* community, *Phragmites communis* community, *Miscanthus sacchariflorus* community, *Salix nipponica* community, *Salix glandulosa* community, *Phalaris arundinacea* community, *Salix gracilistyla* community, *Zizania latifolia* community, *Salix koreensis* community, *Bromus tectorum* community, *Amorpha fruticosa* community, *Agropyron tsukushiense* var. *transiens* community, *Echinochloa crus-galli* community, *Salix glandulosa-Salix nipponica* community, *Salix koreensis-Salix glandulosa* community, *Robinia pseudo-acacia* community, *Zoysia japonica* community, *Artemisia princeps* community, *Salix koreensis - Miscanthus saccharifloru* community, *Brassica campestris* community).

**Key words:** Nakdonggang, waterside vegetation, synthesis table