

CONTRIBUTION TO THE KNOWLEGE OF ECOLOGY OF NITROPHILOUS FRINGE COMMUNITIES IN SOUTH-EAST SLOVENIA

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102 releves of nitrophilous fringe association have been taken in SE Slovenia. Following associations have been established: Urtico-Aegopodietum, Urtico-Cruciatetum laevipedis Dierschke 1974, Heracleo-Sambucetum ebuli Brandes 1983, Chaerophylletum bulbosi, Anthriscetum sylvestris, Chaeropylletum aureum, Phalarido-Petasitetum, Chaerophylletum hirsuti, Urtico-Lamietum orvalae Čarni 1993, Torilidetum japonice Lohmayer ex Görs et T. Müller 1969. They have been subjected to the DCA (Detrended Correspondent Analysis).

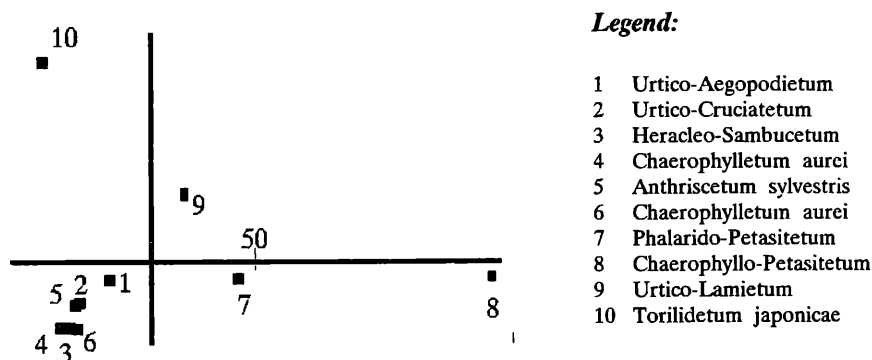


Diagram 1: Results of DCA for ten associations.

The results are shown on the diagram. On abscisa there is a gradient from the association Chaerophyllo-Petasitetum, that grows on the wettest sites on banks of the brooks to the association Torilidetum japonice, thriving on the driest sites. The ordinate shows the gradient from the associations Chaerophylletum aurei, Sambucetum ebuli that

grow on sites exposed to the sun on the one side, to the most shady association *Torilidetum japonicae* on the other. The last one belongs to the alliance *Alliarion*, the former to the alliance *Aegopodion*. Interesting is the position of *Urtico-Lamietum*, that present the transition from the alliance *Aegopodion*, with heliophilic and nitrophilous associations to the alliance *Alliarion*, involving shady, nitrophilous associations. Upon the floristic composition we have decided that nevertheless it belongs to the alliance *Aegopodion*.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

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