

Abstract

This thesis studies the spread of invasive neophytes along the South Bohemian Lužnice River. The literature search deals with plant invasions, floodplains and the area of interest. The riparian vegetation along the Lužnice River was mapped with emphasis on 17 taxons of invasive neophytes. The mapping was realized in four sections that were 3–5 km long. The results are compared with the state ascertained by monitoring in the same location in 2008. The results indicate a general increase of invasions and an intensive spread of *Impatiens parviflora* since the previous mapping. Generally widespread invasive taxa in the studied area are *Impatiens parviflora* and *Impatiens glandulifera* of the herbaceous plants. The occurrence of *Robinia pseudacacia* of the woody plants is also common. Other observed taxa occur only locally or in smaller amounts.

Keywords: IAS, riparian vegetation, plant invasion, vegetation mapping, watercourse, vegetation change