

Abstract

The presented bachelor thesis deals with the distribution of invasive neophytes in the riparian vegetation of the East Bohemian river Úpa and compares the findings with other streams. In the practical part, in the summer of 2020, the occurrence and abundance of 17 selected taxa of invasive neophytes in segments with a length of 500 m are monitored, for statistical evaluation merged into sections 2–3.5 km long. In almost 60 km of vegetation (in the sum of both banks) there are 7 taxa of invasive neophytes with different degrees of representation. Unequivocally dominant is in terms of the absolute number and share of occupied segments the taxon *Impatiens parviflora* occurring in almost the entire mapped area. *Reynoutria sp.*, *I. glandulifera* and *Solidago sp.*, which are concentrated in certain localities, can also be mentioned as numerous taxa. All segments are invaded. A more significant invasion process is taking place on the right bank of the river. In the Czech context, Úpa is one of the more invasively loaded streams.

Keywords: invasive neophyte, riparian vegetation, the Úpa River, stream, monitoring of vegetation