

Mnohonožky (Myriapoda: Diplopoda) Prahy

Millipedes (Myriapoda: Diplopoda) of Prague (Central Bohemia)

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Abstract. In 1997-2005, millipede fauna was studied in the Czech Republic's capital, Prague. In Prague there are natural, semi-natural and man-made (artificial) habitats. Special attention was paid to forests, a forest steppe, a rock steppe, rock debris, river surface, parks, greenhouses, a garden centre, game parks, seedbeds and city greenery. At present, 51 species of millipedes occur there. Therefore, the Czech Republic's capital is the area with the highest number of millipedes species in the country. For example, the Křivoklátsko PLA and BR, a comparable natural area rich in millipede species currently harbours 44 species of millipedes. A total number of millipede species in the Czech Republic is 76. Thus, 67% of millipedes species that were found in the Czech Republic inhabit Prague. During the research, 20 millipede species new for the Prague area were found, particularly those preferring man-made habitats. The species richness of introduced millipede species in Prague is the highest among all of the areas having been studied in this respect in the Czech Republic. The millipede species rich site in Prague is the Zoological Garden in Troja, harbouring 26 species. The most common millipede species in Prague include *Cylindroiulus caeruleocinctus*, *Ophiulus pilosus*, *Julus scandinavicus*, *Choneiulus palmatus*, *Blaniulus guttulatus* and *Cylindroiulus britannicus*. On the other hand, the rare relic species that has been found in Prague are: *Trachysphaera costata*, *Mastigophorophyllon saxonicum*, *Haploporatia eremita*, *Cylindroiulus luridus*, *Cylindroiulus arborum* and *Polydesmus germanicus*. For the Czech Republic, rare synanthropic species found in Prague are: *Cylindroiulus vulnerarius*, *Cylindroiulus punctatus* and *Amphitomeus attemsi*. The East European species *Polyzonium germanicum* and *Rossiulus vilnensis* reach its regional distribution limit in Prague. The four millipedes species occurring in Prague, namely *Trachysphaera costata*, *Cylindroiulus luridus*, *Polydesmus germanicus* and *Rossiulus vilnensis* are included in the Red List of threatened invertebrate species in the Czech Republic.

Keywords: Diplopoda, diversity, Prague, Czech Republic, synanthropic species

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