

WOLF SPIDERS (LYCOSIDAE) IN THE PEATBOGS OF THE CZECH REPUBLIC

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Most of 250 peatbogs existing in the territory of the Czech Republic are situated in the boundary mountains, in the Třeboň Basin (in southern Bohemia) and in the Bohemian-Moravian Uplands. In 124 peatbogs the communities of the wolf spiders (Lycosidae) were investigated in 1980–1993.

In total, 33 wolf spider species were found in the investigated peatbogs (D—leading species which dominated at least in one peatbog): *Alopecosa cuneata*, *A. inquilina*, *A. pinetorum*, *A. pulverulenta*, *A. taeniata* (D), *Arctosa alpigena lamperti*, *Arctosa leopardus*, *Aulonia albimana*, *Hygrolycosa rubrofasciata*, *Pardosa amentata* (D), *P. evelinae*, *P. ferruginea*, *P. hyperborea* (D), *P. lugubris*, *P. nigriceps*, *P. paludicola*, *P. palustris*, *P. prativaga*, *P. pullata* (D), *P. riparia* (D), *P. sordidata*, *P. sphagnicola* (D), *Pirata hygrophilus* (D), *P. knorri*, *P. latitans*, *P. piraticus* (D), *P. piscatorius*, *P. uliginosus* (D), *Trochosa ruricola*, *T. spinipalpis* (D), *T. terricola*, *Tricca lutetiana* and *Xerolycosa nemoralis*.

Pardosa sphagnicola was found in the Czech and Moravian peatbogs occurring in 27 quadrats of the grid map. The respective species was recorded above all in our boundary mountains (730–1285 m a.s.l.) besides in some peatbogs near Doksy (in northern Bohemia, 275 m a.s.l.) and in the peatbog Velké Dářko (western Moravia, 620 m a.s.l.). *P. sphagnicola* occurs in the peatbogs with various types of vegetation (ass. Pino mugo-Sphagnetum, Pino rotundatae-Sphagnetum, Sphagno-Piceetum etc.), in the canopy and in the unshaded areas as well.

Arctosa alpigena lamperti was found in the Šumava Mts. (quadrats no. 6947, 7046, 7149), in the Jizerské Hory Mts. (5157) and in the Giant Mountains (5259, 5260). For the present, *Alopecosa pinetorum* was recorded in the Jeseníky Mts. (5868, 5769) and in the Jizerské Hory Mts. (5157). *Pardosa ferruginea* (6946, 6947, 7048) and *Pardosa hyperborea* (6946, 6947, 7047, 7149) occur only in the Šumava Mts.