

**Petrova, R.D. & Denchev, C.M.** 2006. A taxonomic study of *Melampsora* (Uredinales) on *Populus* in Bulgaria. – *Mycologia Balcanica* **3**: 155-161.

**Abstract.** A taxonomic revision of *Melampsora* on *Populus* in Bulgaria was carried out. The study yielded distributions of *M. allii-populina*, *M. populnea* (f. sp. *laricis*, f. sp. *magnusiana*, f. sp. *pinitorqua*, and f. sp. *rostrupii*), and *M. larici-populina* on 20 host species of *Allium*, *Mercurialis*, *Pinus*, and *Populus*, representing a total of 28 rust/host combinations. Three species of *Populus* are recorded as new hosts for Bulgaria. The morphological characteristics and distribution of these rust fungi are reported.

**Key words:** Bulgaria, fungal diversity, *Melampsora*, *Populus*, rust fungi, taxonomy, Uredinales