

Czeczuga, B., Muszyńska, E., Godlewska, A. & Mazalska, B. 2007. Aquatic fungi and straminipilous organisms on decomposing fragments of wetland plants. – *Mycologia Balcanica* 4: 31-44.

Abstract. Straminipilous organisms and fungus species on dead fragments of 25 taxa of wetland plants from three water bodies were investigated. A total of 219 fungal taxa, including 85 straminipilous organisms and 134 fungus species were recorded. The largest number of straminipilous organisms and fungus species occurred on fragments of *Lathyrus palustre* and *Rorippa amphibia* (45 and 44 species respectively), the fewest on *Calla palustris* (20). The most common species were *Chytridium xylophilum* (on 23 plants), *Pythium rostratum* (on 15), *Pithomyces obscuriseptatus* (on all plants), *Trinacrium subtile* (on 17) and *Titaea (Tetracladium) maxilliformis* (on 16). The larger numbers of species were recorded in running water (Jaroszkówka Spring, Supraśl River, 124 and 122 respectively), with fewest (106) in stagnant water at Dojlidy Pond. Thirty-one taxa were recorded for the first time from Poland.

Key words: aquatic fungi, hydrochemistry, Poland, straminipilous organisms, wetland plants