

Petrova, R. D. & Denchev, C. M. 2004. A taxonomic study of Phragmidiaceae (Uredinales) in Bulgaria – *Mycologia Balcanica* 1: 95-115.

Abstract. A taxonomic revision of Phragmidiaceae in Bulgaria was carried out. The study yielded distribution of 5 genera, among which *Frommeëla* (*F. tormentillae*) is a new Bulgarian genus record, and 16 species on 46 hosts from Rosaceae, making 61 rust-host combinations. *Trachyspora pentaphylleae* is reported for the first time from Bulgaria and the Balkan Peninsula. Twenty-two rust-host combinations are new records for Bulgaria, viz. *Phragmidium bulbosum* on *Rubus canescens* and *R. praecox*; *Ph. mucronatum* on *Rosa canina* var. *andegavensis*, *R. dumalis*, and *R. pendulina*; *Ph. potentillae* on *Potentilla bornmuelleri* and *P. pedata*; *Ph. sanguisorbae* on *Sanguisorba minor* subsp. *muricata*; *Ph. tuberculatum* on *Rosa centifolia*, *R. chinensis*, *R. damascena*, *R. dumalis*, *R. pendulina*, and *R. turcica*; *Ph. violaceum* on *Rubus canescens* var. *glabratus*, *R. geniculatus*, and *R. radula*; *Trachyspora intrusa* on *Alchemilla catachnoa*, *A. connivens*, *A. gorcensis*, *A. incisa*, and *A. jumrukezalica*. Twenty-six rust-host combinations, previously recorded for Bulgaria, are treated here as doubtful or wrong records, viz. *Phragmidium bulbosum* on *Fragaria vesca*, *Rubus corylifolius*, *R. fruticosus*, *R. glandulosus*, *R. nemorosus*, *R. thyrsanthus*, and *Rubus thyrsoideus*; *Ph. fragariae* on *Fragaria vesca* and *Potentilla patula*; *Ph. fusiforme* on *Rosa gallica* and *R. pulverulenta* (*R. glutinosa*); *Ph. mucronatum* on *Rosa micrantha*; *Ph. potentillae* on *Potentilla crantzii*; *Ph. tuberculatum* on *Rosa arvensis*, *R. myriacantha*, *R. sepium*, *R. spinosissima*, and *R. vosagiaca*; *Ph. violaceum* on *Rubus fruticosus*, *R. macrostachys*, and *R. nemorosus*; *Kuehneola uredinis* on *Rubus caesius* and *R. glandulosus*; *Trachyspora intrusa* on *Alchemilla gracilima*, *A. heterophylla*, and *A. pubescens*.

Key words: Bulgaria, *Kuehneola*, *Phragmidium*, Rosaceae, taxonomy, *Trachyspora*