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THE LICHEN GENUS *MICAREA* (LECANORALES, ASCOMYCOTA) IN POLAND

PAWEŁ CZARNOTA

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Abstract. A taxonomic revision of Polish lichen collections belonging to the genus *Micarea* in its broad sense is presented. 34 species are recognized, of which two, *Micarea nowakii* Czarnota & Coppins and *M. tomentosa* Czarnota & Coppins are new to science, and *M. globulosella* (Nyl.) Coppins is reported from Poland for the first time. A key for the identification of all Polish taxa is given. Detailed original descriptions, taxonomic remarks, notes on ecology, distribution in the country and known distribution in the world for each taxon are supplied. Lists of valid synonyms are also provided. Some additional collections from abroad, verified exsiccatae and reference material from type collections as well as lists of almost all examined specimens from Poland are also included. Morphological and anatomical characters of many species are illustrated and their distribution in Poland is mapped according to the ATPOL grid square system. Three species: *Micarea assimilata* (Nyl.) Coppins, *M. melaenida* (Nyl.) Coppins, *M. ternaria* (Nyl.) V*Micarea prasina* Fr. and *M. micrococca* (Körb.) Gams *ex* Coppins are separated on the basis of the presence of micareic acid and methoxymicareic acid respectively. *Lecidea semipallida* Nyl. is a new synonym for *M. denigrata* (Fr.) Hedl., *Lecidea meiocarpoides* Nyl. for *M. lithinella* (Nyl.) Hedl. and *Lecidea prasiniza* Nyl. for *M. prasina*. *Micarea melanobola* (Nyl.) Coppins is proposed as a synonym of *M. prasina* on the basis of its granular thallus composed of goniocysts and the presence of micareic acid found in the type material from Finland and other reference specimens from Estonia.

Key words: Pilocarpaceae, *Micarea*, *Micarea nowakii*, *Micarea tomentosa*, lichen taxonomy, lichen ecology, lichen distribution, Poland

Paweł Czarnota, Scientific Laboratory of the Gorce National Park, Porba Wielka 590, PL-34-735 Niedzwiedź, Poland; e-mail: pawel.czarnota@gpn.pl

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