

## Book reviews

Mirek Z. (ed.). 2002-2009. Biodiversity of Poland.  
W. Szafer Institute of Botany, Polish Academy of Sciences, Kraków

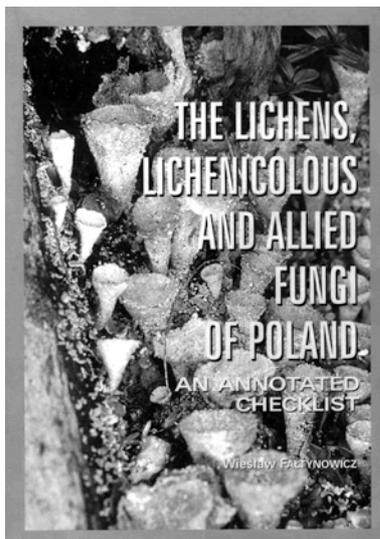
„The book ... assembling and presenting, for the first time in our history, the country's species richness of plants, as well as fungi and other organisms traditionally included within the plant kingdom.” [from the foreword to the Series by Z. Mirek].

The following volumes of the Series *Biodiversity of Poland* were published in the years 2002-2009: Vol. 1 *Flowering plants and pteridophytes of Poland*; Vol. 2 *Ecological indicator values of vascular plants of Poland*; Vol. 3 *Census catalogue of Polish mosses*; Vol. 4 *An annotated checklist of Polish liverworts and hornworts*; Vol. 5 *Catalogue of Polish prokaryotic and eukaryotic algae*; Vol. 6 *The lichens, lichenicolous and allied fungi of Poland. An annotated checklist*; Vol. 7 *Checklist of Polish larger Basidiomycetes*; Vol. 8 *Checklist of Polish larger Ascomycetes*; Vol. 9 *A preliminary checklist of micromycetes in Poland*; Vol. 10 *Myxomycetes of Poland. A checklist*; Vol. 11 *Lichenicolous fungi of Poland. A catalogue and key to species*.

W. Fałtynowicz. *The lichens, lichenicolous and allied fungi of Poland. An annotated checklist*. Vol. 6, pp. 435, 2003. ISBN 83-89648-06-7.

„The checklist is based on literature data and on herbarium materials partly. In the present list, 1768 accepted species from 357 genera are presented. Among them, 1554 species from 273 genera are lichenized and 154 lichenicolous, and 60 non-lichenized species from 94 genera. Besides, 160 infraspecific taxa (subspecies and varietas) are listed; 47 species which erroneously reported from Poland are mentioned. For each taxon, both Latin and Polish names, synonyms, ecology, distribution in Poland and literature reports concerning Poland area provided. Substrata from which Polish specimens have been collected are described; for epiphytes, names of genera of all phorophytes were listed.”

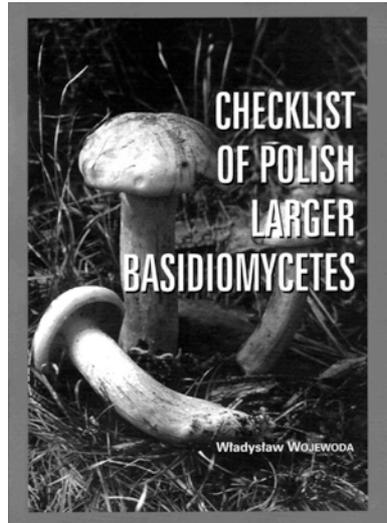
The main list is supplemented with Index of accepted names of genera, Index of synonyms and Index of Polish names.



W. Wojewoda. *Checklist of Polish larger Basidiomycetes*.

Vol. 7, pp. 812, 2003. ISBN 83-89648-09-1.

„About 400 genera and 2650 species known in Poland are included in this book. Some of them are invalid according to the ICBN. Some of the taxa are uncertainly classified, and other are mistakenly recorded from Poland. The true number of basidiomycete taxa known from Poland is about 2550. The genera and species are alphabetized. Presently accepted Latin names and the most important synonyms are given for each taxon. The affiliations to families and orders, and the number of species known in Poland are given for the genera. The habitats in which the fungi grow, the plant community, substratum, mode of nutrition and fructification time are characterized. Examples of species distribution in Poland, including region form the most extensive part of the description of each species. Polish and foreign taxonomic mycological literature together with illustrations of the fungi are cited.”  
Index of Polish names (genera and species of fungi) and Appendix, close the checklist.



M.A. Chmiel. *Checklist of Polish larger Ascomycetes*.

Vol. 8, pp. 152, 2006. ISBN 83-89648-46-6.

„This is the first comprehensive work on the larger ascomycetes found in Poland. The checklist is based on data published in physiographical and mycological works. It contains 785 species listed alphabetically. For each species the accepted Latin name is provided, followed by the name or names used in the source publications (synonyms) if they differ from the accepted names. The list also gives substrate descriptions and references to the source literature.”  
The main list is supplemented with Index of authors' names.



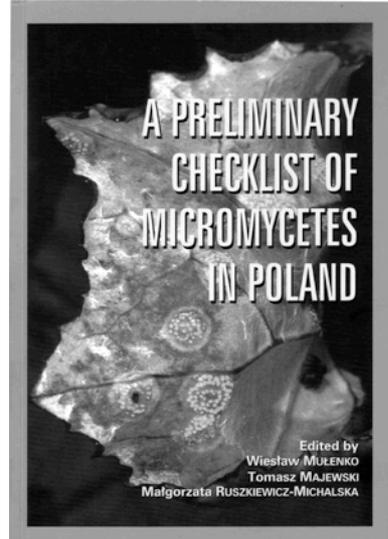
W. Mułenko, T. Majewski & M. Ruszkiewicz-Michalska (eds). *A preliminary checklist of micromycetes in Poland*.

Vol. 9, pp. 752, 2008. ISBN 978-83-89648-75-4.

The taxa of the Hyphochytriomycota, Oomycota (kingdom Chromista), Chytridiomycota, Glomeromycota, Zygomycota, Ascomycota, Basidiomycota and the anamorphic fungi which belong mostly to the Ascomycota (kingdom Fungi) and Plasmodiophoromycota (kingdom Protozoa) found in Poland are listed. Additionally, the species of Elaphomycetales, are also discussed.

The checklist contains 5965 species. Latin name, synonyms, substratum or the host species, references to the sources and occasionally notes, are given for each taxon. The orders in a framework of a particular phylum, and the species within orders are listed alphabetically.

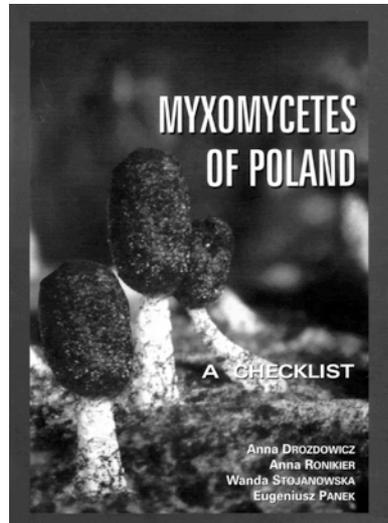
Index of fungi close the checklist.



A. Drozdowicz, A. Ronikier, W. Stojanowska & E. Panek. *Myxomycetes of Poland. A checklist*. Vol. 10, pp. 103, 2003. ISBN 83-89648-08-3.

„This work is the first comprehensive checklist of the Polish slime moulds (Myxomycetes). It is based on published data and in principle only the source publications were taken into consideration. The list contains 222 species arranged alphabetically. For each species a valid Latin name and a Polish name are provided. Below, the names used in source publications are listed, followed by the substrate description and references to source literature.”

The main list is supplemented with Index of Latin names, Index of Polish names (with reference to Latin names) and Index of authors' names.



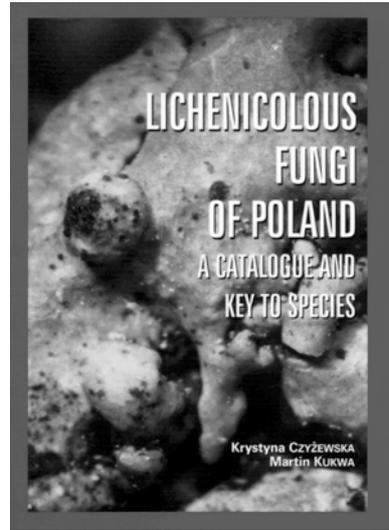
K. Czyżewska & M. Kukwa. *Lichenicolous fungi of Poland. A catalogue and key to species*. Vol. 11, pp. 133, 2009. ISBN 978-83-89648-76-1.

„The catalogue offers an overview of current knowledge of lichenicolous fungi in Poland documented by publications on non-lichenized fungi, lichens and lichenicolous myxomycetes identified in Poland in the period between 1851 and 2008.

The list contains 249 species in 108 genera. Lichenicolous non-lichenized fungi are represented by 216 species; 27 species are lichens starting their life cycle as parasites on lichens or found only facultatively as lichenicolous. Six taxa of myxomycetes are reported as growing on lichens. Fungi in the catalogue are arranged as follows. First is an alphabetical list of species,

by genus and species within genera (synonyms, hosts, sources and notes, are given for species). All fungi belong to teleomorphic states of Ascomycota (70 genera, 180 species), Basidiomycota (5 genera, 12 species) and conidial fungi (28 genera, 51 species). The organisms occupied 271 lichen taxa (including 231 species). This is followed by the keys to lichenicolous fungi and slime moulds: general key, key 1 – lichenized fungi, key 2 – teleomorphic states of weakly lichenized or non-lichenized Ascomycota, key 3 – Basidiomycota, key 4 – conidial fungi or fungi with sclerotia only, and key 5 – Mycetozoa found on lichens.”

Two indexes, Index of hosts and their synonyms, with fungi found on their thalli, and Index of synonyms, close the catalogue.



*Compiled by Mariusz Hachułka*