

Nowak, T., Kapusta, P., Jędrzejczyk-Korycińska, M., Szarek-Łukaszewska, G. & Godzik, B. 2011

The Vascular Plants of the Olkusz Ore-Bearing Region

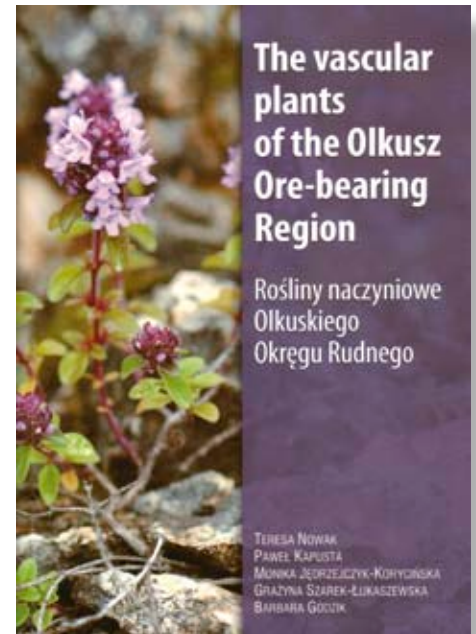
Rośliny naczyniowe Olkuskiego Okręgu Rudnego

W. Szafer Institute of Botany, Polish Academy of Sciences, Krakow, Poland. Paperback, 227 pp. ISBN: 978-83-62975-01-3 (in English & Polish)

The book presents an inventory of the flora in the Olkusz Ore-Bearing Region in Poland, along with all other floristic data reported so far in publications and herbarium materials. The region is one of the oldest and longest-exploited mining areas. The soils are affected and natural vegetation has degraded over a large area. The research covered a rectangular expanse of 48 km². Altogether, more than 8100 items of original floristic data have been collected and data from publications and herbaria are also used. Distribution of the vascular plant species observed during the studies is illustrated in alphabetically arranged cartograms, except for species known only from literature or herbarium materials.

The flora of the investigated area comprises 857 species (810 native species and established anthropophytes and 47 non-established). The recorded species belong to 107 families and 404 genera. The larger families are *Asteraceae*, *Poaceae*, *Fabaceae*, *Rosaceae*, *Brassicaceae*, etc. The established species occur in communities belonging to 25 phytosociological classes. There are 57 species protected by law (49 strictly protected and 8 partially protected). Almost half of the vascular plants are rare or very rare (345).

Areal photographs (12) of the study squares are presented in Appendix 1, maps of species distribution in Appendix 2, 18 color photographs from the study area are given in Appendix 3, Index of the genera in Appendix 4, and finally follows a Polish-English glossary of habitats in Appendix 5. □



Frey, L. (ed.). 2011

Advances in grass biosystematics

W. Szafer Institute of Botany, Polish Academy of Sciences, Krakow, Poland. Paperback, 130 pp. ISBN: 978-83-62975-02-0

The book includes eight papers by 16 authors on different grasses (*Poaceae*) like:

- *Calamagrostis* complex and selected hybrids – morphological variation between species of the section *Calamagrostis* and *Deyeuxia* (including five species and three hybrids) using PCA analysis;
- *Brachypodium pinnatum* from S Poland – determination of genetic diversity using AFLP markers;
- Chorology, phytogeography and phytosociology of mountain grass species in the region of the Sudetes (their Polish, Czech and German parts);
- Threatened and rare grass species of Silesian Upland;
- Aspects of the role of grasses in dry grasslands on Polish serpentines;
- Evaluation of lodicule morphology of wheat;
- Characteristics of *Avena* pollen grains;
- Structure of amphiploids endosperm evaluation of *Avena*. □

