

TAXONOMY, ECOLOGY AND DISTRIBUTION *Gyalecta* Ach. SPECIES (LICHEN) IN POLAND

by

Urszula BIELCZYK

The genus *Gyalecta* Ach. in Poland consists of nine species: *G. ulmi* (Sw.) A. Zahlbr., *G. geicola* (Wahlenb.) Ach., *G. foveolaris* (Ach.) Schaer., *G. jenensis* (Batsch.) A. Zahlbr., *G. leucaspis* (Massal.) A. Zahlbr., *G. derivata* (Nyl.) Oliv., *G. biformis* (Koerb.) Oliv., *G. slotowii* Koerb., *G. truncigena* (Ach.) Heep.

An assessment of the taxonomy, geographical distribution, and ecology is based on analyses of all available herbarium specimens, and also field study. Descriptions of all species including morphological and anatomical details, ecology and distribution are already completed and the description of the genus and the key for species are currently being developed. In addition, the treatment includes six other species (*G. peziza* (Mont.) Anzi, *G. erythrozona* Lett., *G. sudetica* Vězda, *G. kukriensis* (Räs.) Räs., *G. subclausa* Anzi, *G. friesii* Flot. ex Koerb.) which have not been recorded to date in Poland but the discovery of which is very likely since they are known from adjacent territories. Moreover, similar work on the family *Gyalectaceae* in Poland has been started.

References

1. Lettau, G. 1937. Monographische Bearbeitung einiger Flechtenfamilien. Repert. Spec. Nov. Regni Veget. 69:1-250.
2. Nowak, J., Tobolewski, Z. 1975. Manual of Polish lichens. (in Polish) pp. 1177. PWN, Warszawa.
3. Poelt, J. 1969. Bestimmungsschlüssel europäischer Flechten. pp. 757.
4. Vězda, A. 1958. Czechoslovakian species of the genus *Gyalecta* and *Pachyphiale* and a review of European species. (in Czech) Sborn. Vys. Školy Zedem. Lesn. Brne 2:1-36.