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ALGAE OF THE PEAT BOG IN MODLNICZKA NEAR KRAKÓW (WYŻYNA KRAKOWSKO- CZĘSTOCHOWSKA UPLAND, S POLAND)

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Abstract. The algae of a threatened peat bog in Modlniczka near Kraków, situated in the Wyżyna Krakowsko-Częstochowska upland in Poland, are described, illustrated and briefly discussed. The 216 taxa reported from the peat bog include 159 species and varieties, and 35 morphotypes of chrysophyte stomatocysts; 22 algae are identified only to genus level. One species, *Trachelomonas elliptica* (Playfair) M. Deflandre, is new to Europe. Nine species are new to Poland: in Chrysophyceae, *Ochromonas sphagnalis* W. Conrad, *O. tenera* H. Mey.; in Bacillariophyceae, *Diploneis petersenii* Hust. and *Navicula pseudobryophila* (Hust.) Hust.; in Euglenophyta, *Phacus balatonicus* Hortob., *Lepocinclis* cf. *spirogyra* Korshikov and *Trachelomonas* cf. *komarovii* Skvortzov; and in Chlorophyta, *Closterium diana*e Ehrenb. ex Ralfs cf. var. *brevius* (Petkoff) Willi Krieg. and *C. parvulum* Nägeli var. *cornutum* (Playfair) Willi Krieg. New to the Wyżyna Krakowsko-Częstochowska upland are 33 species: in Cyanophyta, *Oscillatoria maior* Vaucher and *O. utermoehliana* (Utermöhl) Elenkin; in Chrysophyceae, *Ochromonas mutabilis* G. A. Klebs, *Chrysococcus tessellatus* F. E. Fritsch and *Dinobryon divergens* O. E. Imhof; in Xanthophyceae, *Botrydiopsis arhiza* Borzí, *Botryochloris minima* Pascher, *Gloeobotrys chlorinus* Pascher and *G. limneticus* (G. M. Sm.) Pascher; in Bacillariophyceae, *Adlafia bryophila* (J. B. Petersen) Lange-Bert., *Brachysira brebissonii* R. Ross, *Cavinula variostrata* (Krasske) D. G. Mann & A. J. Stickle, *Chamaepinnularia soehrensii* Krasske var. *hassiacae* (Krasske) Lange-Bert., *Eucoconeis flexella* (Kütz.) Cleve var. *alpestris* (Brun) Hust., *Eunotia implicata* Nörpel, Lange-Bert. & Alles, *E. meisteri* Hust., *Fragilaria famelica* (Kütz.) Lange-Bert., *Frustulia crassinervia* (Bréb.) Lange-Bert. & Krammer, *Navicula festiva* Krasske, *Neidium hercynicum* Art. Meyer, *Pinnularia divergentissima* (Grunow) Cleve, *P. stomatophora* (Grunow) Cleve, *P. viridiformis* Krammer and *Sellaphora pseudopupula* (Krasske) Lange-Bert.; in Cryptophyta, *Cryptomonas obovata* Skuja; and in Chlorophyta, *Elakatothrix genevensis* (Reverdin) Hindák, *Schroederia planctonica* (Skuja) Philipose, *Closterium praelongum* Bréb. var. *brevius* (Nordst.) Willi Krieg., *Cosmarium pachydermum* J. W. G.

Lund var. *minus* Nordst., *C. vexatum* W. West, *Euastrum ansatum* Ralfs var. *pyxidatum* Delponte, *Pleurotaenium nodulosum* (Bréb.) de Bary and *Pleurotaenium trabecula* (Ehrenb.) ex Nägeli var. *crassum* Wittr.

Key words: algae, Cyanophyta, Heterokontophyta, Cryptophyta, Euglenophyta, Chlorophyta, chrysophyte stomatocysts, peat bog, Wyżyna Krakowsko-Częstochowska upland, Poland

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