

# CONTRIBUTION TO THE KNOWLEDGE OF EUGLENOPHYTA IN POLAND

by

Konrad WOŁOWSKI

The investigation aims at collecting and identifying Euglenophyta occurring in the Cracow-Częstochowa Highland. The investigation is considered to be part of a future critical elaboration of the whole division in the series "Flora Polski" ("Flora of Poland").

The study was started in 1985 and is being carried out on our own material, samples being collected from the country and field ponds, fish ponds, dam reservoirs, swamps, pools and also springs and streams.

Taxonomic studies are conducted on fresh samples kept in refrigerator, and also in lamplight, using light and electron (SEM) microscopes. For morphological examination it is necessary to maintain axenic and unialgal cultures.

Nearly 130 taxa belonging to the genera *Euglena*, *Phacus*, *Lepocinclis*, *Trachelomonas* and *Strombomonas* have been found so far by the author. Also colourless *Asiastia*, *Menoidium* and the subgenus *Hyalophacus* are especially interesting as they are rarely recorded in Poland. (In the publications referring to the area under investigation only 64 taxa are recorded).

As comparative material, the Euglenophyta from the neighbourhood of Tu rebou n in Czechoslovakia have been collected and identified.

## References

Wołowski, K. 1988. Euglenophyta from the sewage treatment plant of the Kliny housing development in Cracow. *Fragm. Flor. Geobot.*, 33(1-2): 217-226.