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KRÁTKÁ SDĚLENÍ

Elakatothrix inflexa, species nova

František Hindák

Laboratory for Experimental Algology, Microbiological Institut of Czechoslovak Academy of Science, Třeboň

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Cellulae liberae, singulae vel post divisionem binae, fusiformes, arcuatae usque lunatae, ad utroque polos paulatim angustatae, apicibus paulo rotundatis usque acuminatis, tegumentum gelatinosum perspicuum; membrana tenuis et hyalina; chromatophorum singulum, parietale, tabelliforme usque rivuliforme, pyrenoidibus 1—2 globosis; nucleus singulus, sphaericus, in cellulis adultis centralis; in protoplasto guttae olei.

Multiplicatio cellularum divisione vegetativa in partes duas.

Dimensiones: cellulae 17—28 μm longae (distancia recta cellulae apicum), 3,2—4 μm latae; tegumentum gelatinosum cellulae singulae 38 × 5,5 μm, coloniae usque 52 × 7 μm.

Habitatio: Bohemia boreali, montibus Concortiae (Krkonoše) prope oppidum Harrachov (circa 740 m supra mare), in periphytone saxis graniticis aqua defluenti irrotatis, Maio 1964.

Typus: Fig. 1

Elakatothrix inflexa differs from the known species of the genus *Elakatothrix* Wille in the bow-shaped cells and, from ecological point of view, in its occurrence on subaeric localities. Some cells are halfmoonshaped, the other only a little bowed. The mucilagineous envelope makes the whole bow-shaped fashion of the alga more conspicuous, especially in the colonies, consisting of two cells. This bow-shaped fashion was never so expressive at cells which were cultivated in laboratory as at cells from the natural material. The former became broader and shorter, which seems to be typical cultivated algae of a fusiform shape (*Koliella*, *Raphidium* etc.).

In the samples from nature the cells occur solitary or binary (after reproduction), in the laboratory arise colonies consisting from three, four, six to eight cells in distinctly limited mucilage.

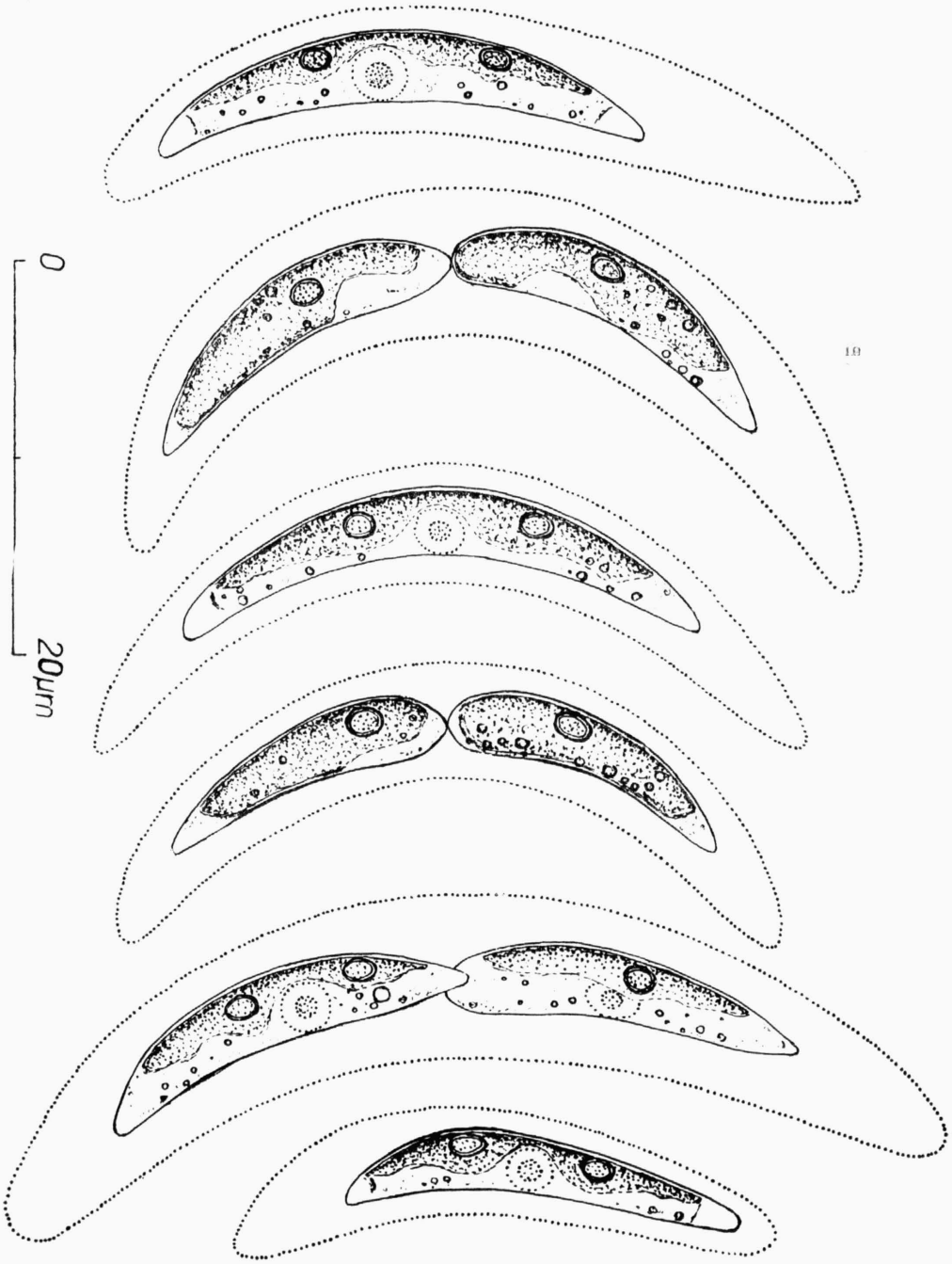
From other described species of the genus *Elakatothrix* Wille (*Elakatotrichaceae*, *Ulotrichales*) *E. inflexa* seems to be the most related to *E. gelatinosa* Wille, especielly in the shape of its chromatophore.

References

Hindák F. (1962): Systematische Revision der Gattungen Fusola Snow und Elakatothrix Wille. — Preslia 34/3 : 277—292.

Koršikov O. A. (1953): Pidklas Protokokovi (Protococcineae). — Vizn. prisnovod. vodor. Ukrain. RSR 5 : 436 p.

Tab. VI.: Fig. 1. — *Elakatothrix inflexa*, spec. nova.



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