

Diatom 13: 49-61 (英文)

伊藤茂夫・福島 博・小林艶子・吉武佐紀子 : *Fragilaria capucina* var. *gracilis* (Oestrup) Hustedt sensu krammer & lange-bertalot の形態変異

Shigeo Itoh, Hiroshi Fukushima, Tsuyako Ko-Bayashi and Sakiko Yoshitake : Morphological variability of *Fragilaria capucina* var. *gracilis* (Oestrup) Hustedt sensu Krammer & Lange-Bertalot

Abstract

Approximately 380 valves of *Fragilaria capucina* var. *gracilis* were identified on the light photomicrographs from a sample collected from the small pool along Daiya-gawa River. The valves with capitate ends were rare and the margins of the valves gradually narrowed in many specimens (about 91%) from the center to the ends of the valve. According to the original illustration by Oestrup, the breadth of an axial area was wide, while it was narrower in our specimens (about 84%). The central area of our specimens were weakly developed in many valves (62%). The valve morphology of our specimens resembled the illustration of *F. capucina* var. *gracilis* by Hustedt (1950) more than the original illustration of *F. gracilis* var. *gracilis* by Oestrup (1910). In addition, the microphotographs of *F. gracilis* Oestrup, Lectotypes Coll. Oestrup 1342 (Tafel 110 Figs 9-11) by Krammer & Lange-Bertalot (1991) closely resembled the valve morphology of our specimens as well as the breadth of the valve.

Key index words

Daiya-gawa River, *Fragilaria capucina* var. *gracilis*, morphological variability, pennate diatom