

Diatom 17: 37-46 (英文)

福島 博・吉武佐紀子・小林艶子：酸性水域から得られた新種珪藻， *Pinnularia paralange-bertalotii* Fukush., Yoshit. & Ts. Kobay. nov. spec. について

Hiroshi Fukushima, Sakiko Yoshitake and Tsuyako Ko-Bayashi : *Pinnularia paralange-bertalotii* Fukush., Yoshit. & Ts. Kobay. nov. spec., new diatom taxon from acid water

Abstract

Epilithic diatoms were collected from a small pond (pH2.3, water temperature 26°C) at Osoresan, Aomori Prefecture, on June 12 1999. The valves of diatoms in this study were examined at 2000× magnification with light microphotographs. The valve ends were differentiated as rostrate and capitate forms, although significant difference in frequency was not observed. The central part of the valves was severely constricted in 92%, breadth of the axial area was wide in 85%, striae length was disordered in 72%, valve length was 43~73 μm, width at the central part of the valve was 4~8.5 μm, valve width at the widest part of the valve was 6.5~10 μm, and striae density was 10~13 in 10 μm. This taxon is considered new, and is named *Pinnularia paralange-bertalotii* Fukush., Yoshit. & Ts. Kobay. nov. spec.

Key index words

acid water, morphology, *Pinnularia paralange-bertalotii* Fukush., Yoshit. & Ts. Kobay. nov. spec.