

Diatom 1: 9-17 (英文)

後藤敏一：珪藻 *Denticula tenuis* kütz.var. *crassula* (Naeg. ex Kütz.) W. & G.S.West の殻帯構造

Gotoh Toshikazu : Girdle structure of diatom *Denticula tenuis* Kütz. var. *crassula* (Naeg. ex Kütz.) W. & G.S.West

Abstract

It was proved by SEM observations that the valvocopula of the diatom *Denticula tenuis* var. *crassula* was composed of three cingular elements, namely bisegmented valvocopulae having traces of septa and septum-like plate, and some crossbars. It seems to be the most probable based on the microstructure of valve and girdle that the genus *Denticula sens. str.* is a heterogeneous taxon including at least two ancestries. The one is the group distributed in Sumatra and its vicinities having the constructions, for instance raphe system, pore occlusion and valvocopula etc., in common with the genus *Epithemia* Bréb.. The other is the group which is close related with the section *Fragilariopsis* of *Nitzschia* Hassall and *Nitzschia valdestriata* Al. et Hust..

Key index words

diatom; *Denticula*; *Denticula tenuis* var. *crassula*; girdle structure; septum-like plate; terminology