

Diatom 1: 18-20 (英文)

高野秀昭・菊地京子：富栄養海域にみられた *Nitzschia pungens* の奇型

Hideaki Takano and Kyoko Kikuchi : Anomalous cells of *Nitzschia pungens* grunow found in eutrophic marine waters

Abstract

Many anomalous cells of *Nitzschia pungens*, bearing 1-3 swellings in the girdle, were found in wild samples collected from eutrophic coastal waters. The swellings appear as extrusions of the girdle. They are accompanied with undulation of the valve margin and sometimes with a slight disorder of the interstriae. The cause is unknown but it is presumable that some organic compound in drainage from the land might be responsible for causing deformed cells.

Key index words

marine diatom, pelagic species, *Nitzschia pungens*, anomalous cells, ultrastructure, eutrophication.