

Diatom 5: 33-43 (英文)

ロボ, エドワルド A. 北沢星磁・小林 弘 : 生態学的研究における珪藻についての顕微鏡による調査結果の走査電顕による必要な補正

Eduardo A. Lobo, Seiji Kitazawa, Hiromu Kobayasi : The use of scanning electron microscopy as a necessary complement of light microscopy diatom examination for ecological studies.

Abstract

Even in the ecological studies, the correct identification of the species is of basic importance in the work. In order to get an accurate interpretation of water quality, the counting of diatoms using scanning electron microscopy was employed for three *Nitzschia* species similar to each other and difficult to differentiate. As a result, the use of scanning electron microscopy as a necessary complement of light microscopy diatom examination is recommended.

Key index words

diatoms, *Nitzschia*, SEM diatom counting, water pollution, water quality assessment.