

Diatom 16: 3-10 (英文)

真山茂樹・南雲 保・栗山あすか：浮遊性および底生有孔虫から単離培養した細胞内共生珪藻

Shigeki Mayama, Tamotsu Nagumo and Asuka Kuriyama : Isolation and identification of endosymbiotic diatoms from planktonic and benthic species of foraminifera

Abstract

Planktonic foraminifera, *Globigerina* sp. and benthic foraminifera, *Sorites orbiculus* were collected, respectively, at coastal areas and near beaches of Sesoko Island, Okinawa, Japan. From these foraminifera, spheroid endosymbionts without frustules were isolated and cultivated. Since these isolates formed frustules, they were identified as diatoms. The symbiotic diatom from planktonic foraminifera was *Amphora leeana* sp. nov. From *S. orbiculus* two diatom species, *Nitzschia* sp. and *Nanofrustulum shiloi* were recognized.

Key index words

*Amphora leeana* sp. nov., benthic foraminifera, endosymbiotic diatoms, *Globigerina*, *Nanofrustulum shiloi*, planktonic foraminifera