

Diatom 26: 1-9 (英文)

Marinês Garcia : *Rimoneis* M.Garcia (珪藻綱, オビケイソウ科) : ブラジル南部で得られた被殻標本に基づく透明な無縦溝珪藻の新属

Marinês Garcia: A new diatom genus: *Rimoneis* M.Garcia (Fragilariaceae, Bacillariophyceae): a new hyaline araphid genus based on observations of frustules from Southern Brazil

Abstract

Sand samples collected from three freshwater and brackish sandy beaches in Southern Brazil have revealed the presence of a new hyaline araphid diatom belonging to a new genus. The new genus, *Rimoneis* M.Garcia, is characterized by the presence of two slits at each apex, a wide sternum, small areolae occluded by hymenes, striae with internal openings in a cavity, valve edge with simple spines or a ridge, the absence of rimoportulae, and plain open bands. Two species belong to the new genus : the type species *Rimoneis* M.Garcia sp. nov. from Southern Brazil and *Rimoneis densestriata* (Hust.) M.Garcia comb. nov. from Java (Asia). *Rimoneis* is ecologically and morphologically different from the marine hyaline diatoms *Pravifusus*, *Hyaloneis* (both without areolae), *Synedropsis* and from freshwater fragilarioid genera such as *Pseudostaurosira*, *Pseudostaurosiropsis* and *Synedrella* (distinct in colony formation, areolae occluded by volae and simple striae with internal openings).

Key index words: araphid diatom, epipsammon, hyaline valve, Lagoa dos Patos Lagoon, *Rimoneis* gen. nov., *Rimoneis inanis* sp. nov.