

Diatom 22: 1-16 (英文)

Seiichi Komura : Two new genera of centric diatoms from the Miocene Morai Formation, northernmost Japan

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Abstract

Aggericorona ponderosa gen. et sp. nov. and *Lentiforma flammifera* gen. et sp. nov. are described as new late Miocene diatom taxa from the Morai Formation of western Hokkaido, Japan. *A. ponderosa* resembles *Endictya*, possessing a short cylindrical frustule composed of petri dish-shaped valves, which are loculate with extremely fine inner cribrate vela and outer foramina. Rimoportulae are located in a circle at the junction of the valve face and mantle. *Lentiforma flammifera* resembles *Pseudohyalodiscus*, possessing a biconvex lens-shaped frustule with valves penetrated by numerous fine tubular poroid areolae. Small rimoportulae are arranged in a marginal ring as well as being scattered over the whole valve.

Key index words : centric diatom, Miocene, Morai Formation, new genus, taxonomy, ultrastructure