

Diatom 21: 47-55 (英文)

Hiroyuki Tanaka¹ and Tamotsu Nagumo² : *Puncticulata ozensis* sp. nov., a new freshwater diatom in Lake Oze, Japan

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Abstract

Puncticulata ozensis sp. nov. is described from Lake Oze (Oze-numa) located between Gunma and Fukushima Prefectures, central Japan. The valve face of this species is characterized by a central area composed of approximately radial rows of areolae and valve face fultoportulae arranged in a circular pattern. The valve marginal area has striae with two or three openings of rimoportulae located at the proximal end of slightly short striae. All interstriae continue to the valve edge. Mantle fultoportulae relatively close to each other on every 2, or in rare cases 3, interstriae, and the absence of branching interstriae on the mantle are also useful defining characteristics. The new species is compared to similar species of the genus *Puncticulata* Håk. *P. bodanica* (Grunow) Håk. var. *affinis* (Grunow) H.Tanaka & Nagumo. *P. comta* (Ehrenb.) Håk., *P. praetermissa* (J.W.G.Lund) Håk. and *P. radiosa* (Lemmerm.) Håk.

Key index words : Bacillariophyceae, freshwater diatom, Japan, Lake Oze (Oze-numa), new species, *Puncticulata ozensis*