

Diatom 27: 1-8 (英文)

田中宏之・南雲 保：前期中新世堆積物から見出された楕円形 *Aulacoseira* 属新種珪藻
A. iwakiensis

Hiroyuki Tanaka and Tamotsu Nagumo: *Aulacoseira iwakiensis* sp. nov., a new elliptical
Aulacoseira species, from an Early Miocene sediment, Japan

Abstract

A unique *Aulacoseira* species with an elliptical valve face was found in Early Miocene sediment of the Shichiku Formation, Fukushima Prefecture, Japan. The valve face of the separation valve displays areolae covering the whole surface while the valve face of the linking valve has fewer areolae, mainly in the marginal area. Also, the mantle of the separation valve is curved while that of the linking valve is nearly straight, characteristics not observed before in any *Aulacoseira* species with an elliptical valve face. This paper describes the new taxon, *Aulacoseira iwakiensis*, and compares it to four similar taxa: *Aulacoseira elliptica* Tsoy, *A. hachiyaensis* H. Tanaka, *A. ovata* Usoltseva & Tsoy and *Melosira distans* var. *ovata* Iwahashi.

Key index words: *Aulacoseira iwakiensis*, Early Miocene, fossil