

Diatom 21: 119-130 (英文)

田中宏之<sup>1</sup>・南雲 保<sup>2</sup>・鹿島 薫<sup>3</sup> : 熊本県益城町に分布する津森層 (中期更新世) の淡水  
生化石珪藻群集

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Hiroyuki Tanaka<sup>1</sup> and Tamotsu Nagumo<sup>2</sup> and Kaoru Kashima<sup>3</sup> : Fossil freshwater  
diatoms from Tsumori Formation (Middle Pleistocene) in Mashiki Town, Kumamoto  
Prefecture, Kyushu, Japan

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#### Abstract

Fossil diatom assemblages were documented from outcrops of the Tsumori Formation (Middle Pleistocene) distributed along the Kanayama River, Mashiki Town, Kumamoto Prefecture, Kyushu, Japan. 102 taxa in 40 genera were identified for fossil freshwater diatoms in three siltstone samples (KUM-102, 104, 108) from the Formation. The diatom assemblage of three samples showed dominant taxa of araphid pennate diatoms (14 taxa) with a frequency of 43%, accompanied with centric diatoms (5 taxa) 27%, biraphid pennate diatoms (73 taxa) 18% and monoraphid pennate diatoms (10 taxa) 12%. Taxonomic information is described on seven species : *Cyclostephanos kyushuensis* H.Tanaka, *Cocconeis placentula* Ehrenb., *Epithemia hyndmanii* W.Sm., *Gomphonema vibrio* Ehrenb. var. *subcapitatum* (Mayer) J.H.Lee, *Navicula subcostulata* Hust. var. *rostrata* Hust., *Rhopalodia novaezelandiae* Hust. and *Stauroneis phoenicenteron* (Nitzsch) Ehrenb. var. *hattorii* Tsumura. In the sample KUM-108, fossils of *Epithemia hyndmanii* were found attached to chips of wood.

Key index words : Bacillariophyceae, freshwater diatom, Kumamoto, Middle Pleistocene, Tsumori Formation