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Research Field :Morphological and taxonomical studies of diatoms.

#### Recent Papers

Visualizing the spatial arrangement of flagella-eyespot-cell fusion sites in gametes and planozygote of *Chlamidomonas reinhardtii* (Chloriphyceae, Chlorophyta) with high-resolution FE-SEM. *Cytologia* 74(4): 409-415, 2009.

Isolation and characterization of a single-stranded RNA virus infecting the bloom forming diatom *Chaetoceros socialis*. *Applied Environmental Microbiol*, 2009 **75**: 2375-2381.

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Morphological and taxonomical study of *Cocconeis baikalensis* (Skvortzov & Meyer) Skvortzov, In; Y. Likoshway(Ed.), 19th International Diatom Symposium **2006**, Biopress L. U.K. , 107-114, 2008.

Morphology and taxonomy of *Cocconeis subtilissima* Meister(Bacillariophyceae) and two closely related taxa from the coastal waters of Japan. *Journ. Japn. Bot.* 82: 269-279. 2008.

Isolation and characterization of a single-stranded RNA virus infecting the marine planktonic diatom *Chaetoceros tenuissimus* Muenier. *App. Environ. Microbiol.* 74: 4022- 4027. 2008.

Isolation and characterization of a new single-stranded DNA virus infecting the cosmopolitan marine diatom *Chaetoceros debilis*. *Aqua. Microb. Ecol.* 50: 103-112. 2008.

*Thalassiocyclus pankensis* sp. Nov., a new diatom from the Panke Swamp, northern Japan (Bacillariophyta). *Phycol. Res.* 56: 83-88. 2008.

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Morphological investigation of *Perissonoe crucifera* (Kitton) Desikachary & al. collected from Japan. *Jour. Jap. Bot.* 2007 ; 82 (5): 296-304.

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*Stephanodiscus miyagiensis* sp. nov., from Pleistocene sediment in Northeastern Japan, *Diat.*

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Impacts of differential consumption by the grazing fish, *Plecoglossus altivelis*, on the benthic algae composition in the Chikuma River, Japan., *Phycol. Res.*, 54(2): 94-98, 2006.

Late Miocene freshwater diatoms from Mitoku area in Misawa Town, Tottori Prefecture, Japan,  
*Diatom*, 22 : 17-25, 2006.

Morphological note on the marine *Achnanthes longipes* C.Agardh from Japanese material., *Diatom*,  
22: 27-33, 2006.

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Sex-specific cell surface structure of anisogametes : morphological changes during fertilization of  
*Bryopsis maxima* (Ulvophyceae, Chlorophyta) revealed by ultra-high-resolution field emission  
SEM, *J. Phycol.* 41: 114-125, 2005.

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on internal morphology of the oospore wall and multiple DNA marker sequences, *J. Jpn. Bot.*,

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