

Ecological study on *Micrasterias hardyi* recently invaded to Lake Biwa: its dependency on water temperature

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In August 2016, I saw *Micrasterias hardyi* at first, which is an invaded phytoplankton in Lake Biwa, and I was attracted by its beautiful microscopic shape. *Micrasterias hardyi* made a big bloom in Lake Biwa in 2016, and became in a comparative lull in 2017, but it increased rapidly again in 2018. I have studied the morphology, vertical distribution and settling velocity of *Micrasterias hardyi* since then. This time, as I made laboratory experiment to understand the dependency of *Micrasterias hardyi* on water temperature, I will show the results.

Keywords: *Micrasterias hardyi*, Lake Biwa, water temperature

