Ah-016 Room: C309 Time: June 11 14:30-14:45

Diatom biomarkers in Cenozoic siliceous sedimentary rocks and their paleoceanographic environments.

Noriyuki Suzuki [1]

[1] Earth and Planetary Sci., Hokkaido Univ.

Cenozoic siliceous sedimentary rocks are studied to search for diatom-derived steroid compounds. Three steroid compounds are found to be diatom-derived biomarkers. Their high abundance shows the latent physiology of diatom correspondent to the marked environmental change of the ocean.