

Lake environmental reconstruction at Altai Mountain in Mongolia using diatom analysis

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The Climatic changes and the dust fluctuation histories during the Holocene at Altai Mountain in Mongolia were presumed by the diatom analysis of the lake and marsh deposits. In 2017, we surveyed at 16 lakes and marshes at Altai Mountain, and took 40 diatom samples and 6 drilling cores. The diatoms in the lakes and marshes distributed according to the water environment, especially electric conductivity. We found the two times of high water stages after 4000 years BP using diatom analysis of the cores.

Keywords: Holocene, Climatic Change, Altai Mountain, Mongolia, Diatom Analysis