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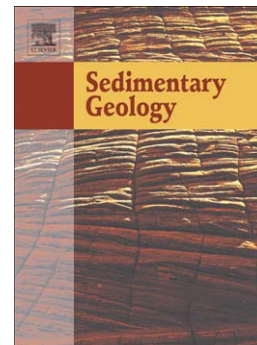
Post-Late Glacial Calcareous Tufas from the Kurai Fault Zone (Southeastern Gorny Altai, Russia)

Svetlana N. Kokh, Ella V. Sokol, Evgeny V. Deev, Yuliya M. Ryapolova, Gennady G. Rusanov, Anatoliy A. Tomilenko, Taras A. Bul'bak

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**Post-Late Glacial Calcareous Tufas from the Kurai Fault Zone (Southeastern
Gorny Altai, Russia)**

Running title: Calcareous Tufas of Gorny Altai, Russia.

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Abstract Calcareous tufa deposits have been discovered in the Chibitka River valley near Lake Cheybek-Kohl, at the junction of the Kurai and Teletsk-Kurai large active faults in the southeastern Gorny Altai, Russia, at an altitude of 1800-2000 m. Fossil tufa is composed of calcite and cements Holocene grey colluvium and glacial till deposited by the Late Glacial Chibitka Glacier. Current tufa precipitation has been observed from a low-flow spring with cold (10°C) HCO₃-SO₄-Ca-Mg water, pH = 6.86. The stable isotope composition of spring water is -5.8 ‰ VPDB δ¹³C of dissolved inorganic

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