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Upper Cretaceous paleosols of the Bain-Dzak section, southern Mongolia

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Abstract

© 2016, Pleiades Publishing, Ltd. Three paleosol profiles (FPS-profiles) are described from the Djadokhta Formation (Upper Cretaceous, Campanian), outcropping in the Bain-Dzak section (southern Gobi aimag, Mongolia). The new data allow the climate at the time of the formation of the Late Cretaceous FPS-profiles to be interpreted as semiarid with seasonal precipitation. The isolated fossil roots of higher plants preserved in situ in the FPS-1 profile of the Bain-Dzak section are described as a new species, *Radicites gobiensis* Naugolnykh, sp. nov.

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Keywords

Cretaceous, fossil soils, FPS-profiles, Gobi Desert, Mongolia, new taxa, paleosols, *Radicites*, roots