

A sauropod foot from the Early Cretaceous of Western Siberia, Russia

Alexander O. Averianov, Alexei V. Voronkevich, Evgeny N. Maschenko, Sergei V. Leshchinsky, and Alexei V. Fayngertz

Acta Palaeontologica Polonica 47 (1), 2002: 117-124

We describe a reasonably complete sauropod foot from the Early Cretaceous (Aptian-Albian) Ileik Formation at the Shestakovo locality in Western Siberia, Russia. It shows some primitive characters, such as slender metatarsals, a relatively long second pedal ungual, and three claws. In the likely presence of the laterodistal process on the first metatarsal the Shestakovo sauropod is similar with diplodocoids, but its more elongated and gracile first metatarsal resembles brachiosaurids (*Brachiosaurus*, *Pleurocoelus*, and *Cedarosaurus*), titanosaurids (*Laplatasaurus*), and *Euhelopus*. *Pleurocoelus*-like isolated teeth from the Shestakovo assemblage may support the brachiosaurid affinities of the Shestakovo sauropod, but a strongly procoelous mid-caudal vertebra from another locality in the same formation establishes the presence of a titanosaurid in the fauna. The foot described is referred here to as Titanosauriformes gen. et sp. indet.

Key words: Sauropoda, Titanosauriformes, postcranial skeleton, Cretaceous, Siberia, Russia.

Alexander O. Averianov [sasha@AA1923.spb.edu], Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, Saint Petersburg 199034, Russia;
Alexei V. Voronkevich [voron@ggf.tsu.ru], Sergei V. Leshchinskiy [sl@ggf.tsu.ru], and Alexei V. Fayngertz [alex@ggf.tsu.ru], Tomsk State University, Pr. Lenina 36, Tomsk 634050, Russia; Evgeny N. Maschenko [evmash@paleo.ru], Paleontological Institute, Russian Academy of Sciences, Profsoyuznaya ul. 123, Moscow 117647, Russia.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

[Full text \(3.544.4 kB\)](#)

