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Permian marine fauna of Northeastern Asia

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Abstract

© 2015, Pleiades Publishing, Ltd. The characteristics of the main biotic groups of the Permian marine basins of northeastern Asia are provided. They include nine animal phyla: sarcodines, sponges, cnidarians, arthropods, bryozoans, brachiopods, mollusks, echinoderms, and conodonts. The distribution of the fauna was nonuniform and controlled primarily by the depth of their habitats. Dominating groups were foraminifers, brachiopods, bivalves, and gastropods. The most diverse fauna inhabited the Omolon Basin, where almost all the above groups have been recorded. A distinctive feature of the Permian biota of northeastern Asia is wide distribution of bipolar taxa in all faunal groups.

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Keywords

biota, bipolarity, marine basins, northeastern Asia, Permian