

Biogeography of the Permian marine Boreal basins based on bivalves

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Abstract

© 2015, Pleiades Publishing, Ltd. The biogeography of Permian marine bivalves of the Boreal Superrealm is considered. Two biochores, the Western Boreal and Eastern Boreal realms, divided into a number of provinces are distinctly recognized. The Western Boreal Realm, which comprises the East European, West European, Greenland-Canadian, and Spitsbergen provinces, is distinguished by the widespread occurrence of pteriacyans, myalinids, mitilids, Pseudomonotis, Cyrtorostra, and Netschajewia. The Eastern Boreal Realm comprises the Pechora, Novaya Zemlya, Taimyr, Verkhoyansk-Okhotsk, Kolyma-Omolon, Mongol-Transbaikalian, and Yukon provinces and is characterized by the widespread occurrence of Inoceramus-like bivalves of the family Kolymiidae and a high proportion of genera with bipolar distribution.

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Keywords

Eastern Boreal Realm, Marine Bivalvia, paleobiogeography, Permian, Western Boreal Realm