

Permian facies of Northern and Northeastern Thailand: Implication for geotectonic evolution

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Extended Abstract

The Permian sediments are distributed extensively in every parts of Thailand. They were popularly known as the Ratburi Limestone whose type area is in the Ratchaburi province, western Thailand. Subsequent works in northern and northeastern Thailand led Bunopas (1981) to doubt the equality of these limestone units. He proposed the names Ngao and Saraburi Groups for the Permian limestones in northern and northeastern Thailand respectively. It is now widely accepted that the Ratburi Limestone, based on its fusuline contents, is quite different from the comparable limestones in the north and northeast. The former belongs to the peri-Gondwana realm, whereas the latter two belong to the Tethyan realm.

Although the Permian carbonates in northern and northeastern Thailand are similar in term of its fossil contents. They lithofacies are different as they were deposited in different tectonic settings.

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