

**TRIASSIC LIMESTONE MICROFACIES AND MICROFOSSILS FROM THE
TRANSYLVANIAN NAPPES (EAST CARPATHIANS). CASE STUDY OF THE
LIMESTONE KLIPPE ON THE TIMON BROOK, THE RARĂU SYNCLINE**

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Abstract

The studied limestone klippe is located in the northern part of the Suceava district, in the East Carpathians. The klippe is made up of massive, sometimes nodular and breccious limestones, mainly red to violet, light grey, yellow and white in colour.

Four types of microfacies were separated, namely packed, filament-bearing wackestones, involutinid foraminiferal wack-packstones, bioclastic wackestones with echinoderms, and fine-grained peloidal mudstones. The micropaleontological assemblage is very rich and diversified and consists of foraminifera, mollusks, brachiopods, gastropods, ostracods, bryozoans, echinoderms and rare microproblematica.

The foraminiferal assemblage with *Angulodiscus (Involutina) tenuis* Kristan, *Angulodiscus gaschei gaschei* Koehn-Zaninetti, *Angulodiscus impressus (Involutina impressa)* Kristan-Tollman, *Permodiscus minutus (Involutina minuta)* Koehn-Zaninetti, *Trochonella laevis* Kristan and *Miliolipora cuvillieri* Brönnimann & Zaninetti indicates an Upper Triassic, Late Norian to Early Rhaetian age.

Keywords: microfacies; Late Triassic; Transylvanian Nappes; Rarău Syncline; East Carpathians

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