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The Upper Triassic evaporites have a wide exten-

sion in the orogenic zones of the continental margin

(throughout the Albanide-Helenide-Dinaride tectonic

assembly), and therefore across the Adriatic platform.

They constitute the substratum of all the above tectonic

zones, playing a significant role both in the structural

of anhydrite, gypsum, chlorites, dolomites, limestones,

multicoloured clays etc. Occasionally volcanic matter,

e.g. bipiramidal quartz crystals are encountered. The

age of the evaporites is Upper Triassic, and is verified

by palynological determination with the presence of

species such as: Camerosporites, Patinosporites, Veri-

In Albania, the evaporite diapirs may be encoun-

1. Evaporite diapirs that have erupted across or via

regional fault planes associated with a marked over-

thrust westwards and which border the different tecto-

a) In the western front of the Internal subzone (Berati

belt) a regional overthrusting fault of 20-30 km magni-

tude can be traced. This overthrust occurs because of

the presence of a large diapir sheet which outcrops in

depressional sectors such as Dumrea, Zavranona, etc.

There are sufficient data (mainly seismic) showing that

some carbonate structures of western units occur

beneath this overthrusting tectonic structure.

Generally, these evaporites consist of intercalations

model and in aiding the thrusting process.

cosporites, Ovalipolis, Zonalisporites etc.

tered in three tectonic settings:

nic subzones of the Ionian zone.

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b) In the western front of the external subzone (Cika zone) a regional overthrusting fault exists, which deviates northeastward in its northern part. The orogen overthrusts through this fault and the diapiric body to the Apulian Platform 50-100 km and in this way hides a transitive (or platform-orogenic) zone of interest for exploration.

c) The Kruja tectonic zone also has another thrust fault in its western front covering part of the Southern Adriatic basin. It cuts diagonally the structural lines and is also associated with evaporite diapirism.

2. Evaporite diapirs which have erupted via local faults of the individual structures of the middle Ionian subzone, such as Delvina's, Bashaj's etc. The thrusting magnitude of this diapir sheet is of 8-10 km allowing masking of new structural units.

3. Evaporite diapirs which have erupted nearly vertically in the centre of the carbonate anticline structures, such as Navarica's, Janicati's, Kardhiqi's etc. These diapirs generally have a cupola form.

In the internal zones the evaporites appear in tectonic windows of cupola shape (e.g. Korabi zone, Albania and Radek, Macedonia). In this case they are in contact with the Kruja Oligocene flysch and Upper Cenomanian rudist carbonate. This led to the suggestion that the Korabi evaporites have to belong to the Kruja zone, which shows a global allochthony of the internal zones and subduction of the external ones.



Abstract - Note

PROCEEDINGS