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Abstract Title

Archangelsky-Andrusov Lineament as South-Eastern Tornquest-Teisseyre zone prolongation

Abstract Text

Archangelsky-Andrusov Lineament intercrosses Black Sea basin from northwest to southeast. Its northwest ending coincides with southeast flank of Tornquest-Teisseyre Zone (J.D. Fairhead and C.M. Green, 2003) within Predobrogean trough. Archangelsky and Andrusov ridges are structural appearance of Archangelsky-Andrusov line. Along this zone there are developing of volcanic processes (Cretaceous – Neogene to recent), sediments facies displacements and sharp dislocation of positive magnetic linear belts (Viginsky, 1996). Onshore –within East part of Anatolian plate - Archangelsky-Andrusov Lineament goes through the Lake Van area with continental-rift (on geochemical specialization) Late Cenozoic vulcanites (Koronovsky, 1999). Hereinafter on southeast this lineament coincides with Zagros Line. Plates movement directions during Late Cretaceous collision had changed across Archangelsky-Andrusov Lineament from northward (Eastern Black Sea basin) to westward (Western Black Sea basin). Stress differences between Black Sea both troughs preserves to recent stage (Viginsky, 2006). These reasons could be indicative of Archangelsky-Andrusov Lineament transform role after Jurassic time.

Symposium titles

ASI-08 ASI-08 Alpien magmatism on divergent boundaries of plate of the Caucasus

Presentation Preference

Poster presentation

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