

Neotectonic and seismotectonic characteristics of the Pelagonian, Kicevo and Porec depressions and the surrounding block structures

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The paper presents the lithostratigraphic, neotectonic and seismotectonic characteristics of the Pelagonian, Porec and Kicevo depressions and the surrounding horsts.

The area under consideration belongs to two geotectonic regions - the Pelagonian massif and the Western Macedonian zone which have had a complex multi phase geotectonic evolution.

During the Neotectonic period, owing to the intense tectonic development, morphostructures of uplift (block-horsts) and subsidence (depressions-grabens) were formed along reactivated earlier and newly developed neotectonic fault structures. The Neotectonic fault structures are of various degree of seismic activity. The analysis of the data from earthquakes made it possible to distinguish two seismic zones - Kicevo and Bitola in which earthquakes the magnitude of up to 5.5 degrees could be anticipated.

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