

## **Some seismicity regularities of the Caucasus**

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**Abstract.** Some aspects of the Caucasus seismicity are considered on the basis of the earthquake catalog from 1962 to 2011. The data on about 40000 seismic events of magnitudes from  $-1.0$  to  $7.5$  are included in the catalog. Correlation equations between the energy classes and magnitudes of the earthquakes are calculated. Inter-annual changes in the Gutenberg–Richter relationship and seasonal cycles of seismic energy release are revealed.

**Keywords:** seismicity, Caucasus, regularity, energy class, magnitude, correlation.