

## Features identification of quarry explosions in the central part of the East European Platform according to the data of the small-aperture group “Mikhnevo”

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Received May 31, 2022

**Abstract** The features of the location and identification of mass explosions produced at quarries in the central part of the East European Platform associated with changes in the regulations for blasting operations, according to observations at the small-aperture seismic group “Mikhnevo” IDG RAS, are considered. Descriptions of wave forms from explosions at the largest quarries of the Belgorod and Kursk regions are given. The analysis of the identified “anomalous” mass explosions at quarries is given. The “atypical” wave forms and the time of blasting operations are considered. The possible negative consequences for the objects of the national economy and especially responsible buildings and structures located in the immediate vicinity are indicated.

**Keywords** Quarry explosions, location and identification of seismic events, technogenic impact, waveforms.

**For citation** Sanina, I.A., & Konstantinovskaya, N.L. (2022). [Features identification of quarry explosions in the central part of the East European Platform according to the data of the small-aperture group “Mikhnevo”]. *Rossiiskii seismologicheskii zhurnal* [Russian Journal of Seismology], 4(2), 23-32. (In Russ.). DOI: <https://doi.org/10.35540/2686-7907.2022.2.02>. EDN: KRXTGL

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