

GEOPHYSICAL SURVEY  
OF THE  
RUSSIAN ACADEMY OF SCIENCES

RUSSIAN JOURNAL  
OF SEISMOLOGY

Volume 6    2024    Issue 3

The Journal is included in the «List of peer-reviewed scientific publications in which the main scientific results of dissertations for the degree of Candidate of Science, for the degree of Doctor of Science» of the Higher Attestation Commission under the Ministry of Education and Science of Russia should be published.

The Journal is indexed in the RSCI, Google Scholar, Crossref, CyberLeninka, Dimensions, VINITI RAS, Research4Life, Lens.org, RSL, Altmetric systems.

OBNINSK  
2024

**RUSSIAN JOURNAL OF SEISMOLOGY**  
**Volume 6, Issue 3, 2024**

Founded in 2019.  
Journal published four times a year

**Editor-in-chief**  
Corresponding Member of RAS A.A. Malovichko

**Editorial Board:**

Dr. K.E. Abdrakhmatov; Dr. G.N. Antonovskaya; Dr. A.G. Aronov; PhD D.V. Chebrov;  
PhD R.A. Dyagilev; Dr. A.F. Emanov; Corr. Memb. ANAS, Dr. G.D. Etirmishli; PhD I.P. Gabsatarova;  
Acad. ANAS, Dr. I.S. Guliyev; PhD A.V. Kendzera; Dr. G.G. Kocharyan; Dr. G.N. Kopylova;  
PhD K.Yu. Silkin; PhD K.G. Mackey; PhD D.A. Malovichko; Dr. V.I. Melnikova; Dr. N.N. Mikhailova;  
PhD A.N. Morozov; PhD G.M. Petrosyan; Dr. B.G. Pustovitenko;  
Dr. V.A. Saltykov; Dr. I.A. Sanina; Dr. V.S. Seleznev; Dr. G.M. Steblov; PhD D.A. Storchak;  
Dr. Yu.A. Vinogradov; Dr. A.D. Zavyalov

**Founder:**  
Geophysical Survey of the Russian Academy of Sciences

**Address of the publisher:**  
249035, Lenina av. 189, Obninsk, Kaluga region, Russia  
Tel +7 495 9126872, +7 484 3931405. E-mail: rjs@gsras.ru  
URL: [www.gsras.ru/rjs/eng/](http://www.gsras.ru/rjs/eng/)



## **Contents**

Yu.A. Vinogradov, M.I. Ryzhikova, N.V. Petrova, S.G. Poygina, M.V. Kolomiets <b>Global earthquakes in the first half of 2024 according to the GS RAS .....</b>	<b>7</b>
I.V. Kokovkin, V.S. Seleznev <b>Remote control of the technical condition of metro trains using seismological tools .....</b>	<b>27</b>
P.A. Predein, M.A. Khritova <b>Seismic moment of local earthquakes in the central part of the Baikal rift by the coda envelope inversion .....</b>	<b>40</b>
N.I. Frolova, N.S. Malaeva, S.P. Suchshev <b>Simulation of January 22, 2024 Mw=7.0 Uqturpan earthquake consequences with the «Extremum» system application .....</b>	<b>60</b>
K.Yu. Silkin <b>Convolutional neural networks and seismogram fingerprints as a tool for recognizing the nature of seismic events .....</b>	<b>77</b>