

GEOPHYSICAL SURVEY
OF THE
RUSSIAN ACADEMY OF SCIENCES

RUSSIAN JOURNAL
OF SEISMOLOGY

Volume 2 2020 Issue 4

OBNINSK
2020

RUSSIAN JOURNAL OF SEISMOLOGY
Volume 2, Issue 4, 2020

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 Yu.A. Kugaenko; 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. E.A. Rogozhin; Dr. V.A. Saltykov; Dr. I.A. Sanina; Dr. V.S. Seleznev; Dr. N.V. Sharov;
Dr. G.M. Steblov; PhD D.A. Storchak; PhD 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/

Contents

I.N. Sokolova, N.N. Mikhailova, A.Ye. Velikanov Induced seismic events on the territory of the former Semipalatinsk Test Site (STS) according to the data of field observations	7
A.S. Fomochkina, B.G. Bukchin Determination of regional earthquake parameters from surface wave records	16
L.A. Khamidov, A.Kh. Ibragimov, I.M. Alimukhamedov, Kh.L. Khamidov The processing results of the vibration records from the dams and coastal slopes of the Charvak and Andijan water reservoirs of Uzbekistan during the weak earthquakes	28
S.A. Tarasov, A.G. Goev, S.G. Volosov, E.M. Gorbunova, G.N. Ivanchenko, S.A. Korolev Refinement of the velocity section sedimentary stratum by the Nakamura method at new seismic stations of the IDG RAS	43
J.Z. Muratalieva, A.M. Omuralieva Monitoring the dynamics of seismicity within the Kemin-Chilik zone, generating $M \geq 8$ earthquakes	51
A.N. Morozov, N.V. Vaganova, V.E. Asming, Z.A. Evtyugina The ML scale in Western Eurasian Arctic	63
M.O. Gessel, S.K Dosaibekova, N.P. Neverova, T.E. Nysanbayev, T.V. Taradayeva, N.V. Silachyova, A.N. Sokolov Saryzhaz earthquake of January 28, 2013 with MSreg.=6.0 (Raimbek area of Almaty district, Kazakhstan)	69
K. Omurbek kyzzy, M. Omuralie Seismic monitoring of explosions in the Central site of the Kumtor deposit, Tien Shan	83