**Topical index of articles
published in the journal “Geosystems of Transition Zones”**

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| ***Geotectonics and geodynamics****Sim L.A., Kamenev P.A., Bogomolov L.M.* New data on the latest stress state of the earth’s crust on Sakhalin Island (based on structural and geomorphological indicators of tectonic stress) <https://doi.org/10.30730/gtrz.2020.4.4.372-383> | 2020, 4: 372–383 |
| *Nikitina M.A., Rodkin M.V.* Intermediate-depth earthquakes and the connection of the seismicity with metamorphism and deep fluid regime in subduction zone for the North Island of New Zealand <https://doi.org/10.30730/2541-8912.2020.4.1.103-115> | 2020, 1: 103–115 |
| *Bulgakov R.F., Senachin V.N., Senachin M.V.*Density and rheological inhomogeneities in the mantle of the active oceanic margins of western part of Pacific Ocean and the Kuril deep-sea trench area <https://doi.org/10.30730/2541-8912.2020.4.1.116-130> | 2020, 1: 116–130 |
| *Truong Thanh Phi, Shakirov R.B., Syrbu N.S.* Characteristics of tectonic activity phases along The Cao Bang-Tien Yen fault zone, Tien Yen-Lang Son section, Northeastern part, Vietnam [doi.org/10.30730/2541-8912.2019.3.4.345-363](http://doi.org/10.30730/2541-8912.2019.3.4.345-363) | 2019, 4: 345–363 |
| *Bulgakov R.F., Senachin V.N.* Marine terraces and hydroisostasy influence on the vertical movements of the Sakhalin [doi.org/10.30730/2541-8912.2019.3.3.277-286](http://doi.org/10.30730/2541-8912.2019.3.3.277-286) | 2019, 3: 277–286 |
| *Safonov D.A.* Spatial distribution of tectonic stress in the southern deep part of the Kuril-Kamchatka subduction zone [doi.org/10.30730/2541-8912.2019.3.2.175-188](https://doi.org/10.30730/2541-8912.2019.3.2.175-188) | 2019, 2: 175–188 |
| *Polets A.Yu.* Modern tectonic stress field of the Sakhalin-Japanese earthquake belt [doi.org/10.30730/2541-8912.2019.3.2.189-200](https://doi.org/10.30730/2541-8912.2019.3.2.189-200) | 2019, 2: 189–200 |
| *Senachin V.N., Senachin M.V.* Lateral and radial density heterogeneities of the continental and oceanic lithosphere and their connection with the process of formation of earth’s crust [doi.org/10.30730/2541-8912.2018.2.4.269-279](http://dx.doi.org/10.30730/2541-8912.2018.2.4.269-279) | 2018, 4: 269–279 |
| *Sim L.A., Gordeev N.A., Marinin A.V.* Modern geodynamics of the eastern boundary of Siberian Platform [doi.org/10.30730/2541-8912.2018.2.4.280-289](http://dx.doi.org/10.30730/2541-8912.2018.2.4.280-289) | 2018, 4: 280–289 |
| *Kuzikov S.I.* Deformation of fault zones according to linear-angle measurements at the Bishkek geodynamic test site[doi.org/10.30730/2541-8912.2018.2.4.290-301](http://dx.doi.org/10.30730/2541-8912.2018.2.4.290-301) | 2018, 4: 290–301 |
| *Senachin V.N., Veselov O.V., Senachin M.V.* Mantle anomalies of gravitational and “free surface” kind, and their relationship with the deep processes [doi.org/10.30730/2541-8912.2018.2.2.196-224](http://dx.doi.org/10.30730/2541-8912.2018.2.2.196-224) | 2018, 3: 196–224 |
| *Levin B.W., Sasorova E.V.* On the influence of the Earth’s rotation velocity on global seismicity on the basis of observations from 1720 to 2016 [doi.org/10.30730/2541-8912.2017.1.3.003-020](http://doi.org/10.30730/2541-8912.2017.1.3.003-020) | 2017, 3: 3–20 |
| *Sychev*а *N.A., Sychev I.V.* Investigation of Q-factor of the North Tien Shan ground (Bishkek Geodynamic Test Site) on the basis of a code waves of local earthquakes [doi.org/10.30730/2541-8912.2017.1.3.021-039](http://doi.org/10.30730/2541-8912.2017.1.3.021-039) | 2017, 3: 21–39 |
| *Sim L.A., Bryantseva G.V., Savvichev P.A., Kamenev P.A.* Patterns of transition zone between Eurasian and North American plates (by example of stressed state of the Sakhalin Island) [doi.org/10.30730/2541-8912.2017.1.1.003-022](http://doi.org/10.30730/2541-8912.2017.1.1.003-022) | 2017, 1: 3–22 |
| *Lomtev V.L., Patrickeyev V.N.* Seismic signatures indicators of North Sakhalin active faults [doi.org/10.30730/2541-8912.2017.1.1.037-048](http://doi.org/10.30730/2541-8912.2017.1.1.037-048) | 2017, 1: 37–48 |
| *Saprygin S.M., Soloviev V.N.* Pacific plate subduction in 1978‒1981 [doi.org/10.30730/2541-8912.2017.1.1.049-057](http://doi.org/10.30730/2541-8912.2017.1.1.049-057) | 2017, 1: 49–57 |
| ***General and regional geology. Petrology. Volcanology*** |  |
| *Yu.V. Kostrov, V.A. Degtyarev, A.V. Marinin, E.K. Khmarin, P.A. Kamenev.* Study of fractured reservoirs during geological exploration in the north-eastern part of the Sakhalin Island <https://doi.org/10.30730/gtrz.2021.5.2.153-166> | 2021, 2: 153–166 |
| *A.V. Degterev, M.V. Chibisova.* Activation of the Sarychev Peak volcano in 2020–2021 (Matua Isl., the Central Kuril Islands) <https://doi.org/10.30730/gtrz.2021.5.2.167-171> | 2021, 2: 167–171 |
| *Bondarenko V.I., Rashidov V.A.* Underwater gas-hydrothermal activity within the Kuril island arc <https://doi.org/10.30730/gtrz.2021.5.1.004-013> | 2021, 1: 4–13 |
| *Kazakov A.I., Veselov O.V., Kozlov D.N.* Statistical analysis of the distribution of phreatic eruption products in the caldera of the Golovnin volcano (Kunashir Island, Kuril Islands) <https://doi.org/10.30730/gtrz.2021.5.1.014-026> | 2021, 1:14–26 |
| *Degterev A.V., Chibisova M.V.* Activation of the Ebeko volcano in May–July, 2020 (Paramushir Island, Northern Kuril Islands) <https://doi.org/10.30730/gtrz.2020.4.4.500-505> | 2020, 4: 500–505 |
| *Nikitenko O.A., Ershov V.V.* Hydrogeochemical characteristics of mud volcanism manifestations on Sakhalin Island <https://doi.org/10.30730/gtrz.2020.4.3.321-335.336-350> | 2020, 3: 336–350 |
| *Romanyuk F.A., Degterev A.V.* Transformation of the coastline of Raikoke Island after the explosive eruption on June 21–25, 2019 (Central Kuril Islands) <https://doi.org/10.30730/gtrz.2020.4.3.351-358> | 2020, 3: 351–358 |
| *Firstov P.P., Popov O.E., Lobacheva M.A., Budilov D.I., Akbashev R.R.* Wave perturbations in the atmosphere accompanied the eruption of the Raykoke volcano (Kuril Islands) June 21–22, 2019 <https://doi.org/10.30730/2541-8912.2020.4.1.071-081.082-092> | 2020, 1: 71–92 |
| *Degterev A.V., Chibisova M.V.* The volcanic activity at the Kuril Islands in 2019 <https://doi.org/10.30730/2541-8912.2020.4.1.093-102> | 2020, 1: 93–102 |
| *Bornyakov S.A., Salko D.V., Shagun A.N., Dobrynina A.A., Usynin L.A.* The slow deformation waves as a possible precursor of seismic hazard [doi.org/10.30730/2541-8912.2019.3.3.267-276](https://doi.org/10.30730/2541-8912.2019.3.3.267-276) | 2019, 3: 267–276 |
| *Kamenev P.A., Zabolotin A.E., Degtyarev V.A., Zherdeva O.A.* Geomechanical model of South Sakhalin active fault [doi.org/10.30730/2541-8912.2019.3.3.287-295](http://doi.org/10.30730/2541-8912.2019.3.3.287-295) | 2019, 3: 287–295 |
| *Degterev A.V., Chibisova M.V.* The eruption of Raikoke volcano in June of 2019 (Raikoke Island, Central Kuril Islands) [doi.org/10.30730/2541-8912.2019.3.3.304-309](http://doi.org/10.30730/2541-8912.2019.3.3.304-309) | 2019, 3: 304–309 |
| *Chibisova M.V., Degterev A.V.* The activity of Sarychev Peak volcano (Matua Island, Middle Kuriles) in 2017–2018: on the basis satellite and visual data [doi.org/10.30730/2541-8912.2019.3.1.144-148](https://doi.org/10.30730/2541-8912.2019.3.1.144-148) | 2019, 1: 144–148 |
| *Nikitenko O.A., Ershov V.V., Perstneva Ju.A., Bondarenko D.D., Baloglanov E.E., Abbasov O.R.* Substance composition produced by mud volcanoes of Sakhalin Island and Azerbaijan: the first comparison [doi.org/10.30730/2541-8912.2018.2.4.346-358](http://dx.doi.org/10.30730/2541-8912.2018.2.4.346-358) | 2018, 4: 346–358 |
| *Kozlov D.N., Degterev A.V., Zarochintsev V.S.* Koltsevoe caldera lake: current state and structure of the basin (Onekotan Island, Kuril Islands) [doi.org/10.30730/2541-8912.2018.2.4.359-364](http://dx.doi.org/10.30730/2541-8912.2018.2.4.359-364) | 2018, 4: 359–364 |
| *Smirnov S.Z., Maksimovich I.A., Kotov A.A., Timina T.Yu., Bulbak T.A., Tomilenko A.A., Kuzmin D.V., Shevko A.Ya., Rybin A.V.*Behavior of volatiles in the magmatic reservoirs of large-scale eruptions of Pleistocene-Holocene calderas of Iturup Island (Kuril Islands) [doi.org/10.30730/2541-8912.2018.2.4.365-376](http://dx.doi.org/10.30730/2541-8912.2018.2.4.365-376) | 2018, 4: 365–376 |
| *Rybin A.V., Chibisova M.V., Smirnov S.Z., Martynov Yu.A., Degterev A.V.* Petrochemical features of volcanic complexes of Medvezh’ya caldera (Iturup Island, Kuril Islands) [doi.org/10.30730/2541-8912.2018.2.4.377-385](http://dx.doi.org/10.30730/2541-8912.2018.2.4.377-385) | 2018, 4: 377–385 |
| ***Degterev A.V., Kozlov D.N., Romanyuk F.A., Zharkov R.V., Rybin A.V.*** The state of Berutarube volcano in 2017 (Iturup Island, Kuril Islands) [doi.org/10.30730/2541-8912.2018.2.4.386-391](http://dx.doi.org/10.30730/2541-8912.2018.2.4.386-391) | 2018, 4: 386–391 |
| *Bulgakov R.Ph.* Application of thermoluminescence dating for pyroclastic deposits on the Kuril Islands [doi.org/10.30730/2541-8912.2018.2.4.392-397](http://dx.doi.org/10.30730/2541-8912.2018.2.4.392-397) | 2018, 4: 392–397 |
| *Grannik V.M.* Chekhov’s Late Cenozoic volcanism of the eastern coast of Southern Sakhalin (Makarovsky district) [doi.org/10.30730/2541-8912.2018.2.3.252-258](http://dx.doi.org/10.30730/2541-8912.2018.2.3.252-258) | 2018, 3: 252–258 |
| *Rybin A.V., Chibisova M.V., Degterev A.V.* Monitoring of volcanic activity in the Kurile Islands: 15 years of work SVERT group [doi.org/10.30730/2541-8912.2018.2.3.259-266](http://dx.doi.org/10.30730/2541-8912.2018.2.3.259-266) | 2018, 3: 259–266 |
| *Grannik V.M.* Late Cenozoic igneous rocks of the Krilion Peninsular (Sakhalin Island) [doi.org/10.30730/2541-8912.2017.1.4.003-020](http://doi.org/10.30730/2541-8912.2017.1.4.003-020) | 2017, 4: 3–20 |
| *Rybin A.V., Degterev A.V., Dudchenko I.P., Guryanov V.B., Romanyuk F.A., Klimantsov I.M.* Comprehensive research on Matua Island in 2017 [doi.org/10.30730/2541-8912.2017.1.4.021-029](http://doi.org/10.30730/2541-8912.2017.1.4.021-029) | 2017, 4: 21–29 |
| *Geophysics, geophysics methods of mineral exploration Seismology, prediction methods* |  |
| *A.I. Malyshev, L.K. Malysheva.* Precedent-extrapolation estimate of the seismic hazard in the Sakhalin and the Southern Kurils region <https://doi.org/10.30730/gtrz.2021.5.2.084-098.099-112> | 2021, 2: 84–112 |
| *A.S. Prytkov, N.F. Vasilenko.* The March 25, 2020 MW 7.5 Paramushir earthquake <https:// doi. org/10.30730/gtrz.2021.5.2.113-120.121-127> | 2021, 2: 113–127 |
| *M.V. Rodkin.* On the foreshock cascade and extraordinary predictions, in relevance to the article by A.I. Malysheva and L.K. Malysheva “Precedent-extrapolation estimate of the seismic hazard in the Sakhalin and the Southern Kurils region” <https://doi.org/10.30730/gtrz.2021.5.2.128-132.133-137> | 2021, 2: 128–137 |
| *L.M. Bogomolov, V.N. Sychev.* Fundamental for self-developing processes model and problems of its application to earthquakes prediction in the Far East region <https://doi.org/10.30730/gtrz.2021.5.2.138-145.145-152> | 2021, 2: 138–152 |
| *Zakupin A.S., Boginskaya N.V.* Mid-term earthquake prediction using the LURR method on Sakhalin Island: A summary of retrospective studies for 1997–2019 and new approaches <https://doi.org/10.30730/gtrz.2021.5.1.027-045> | 2021, 1: 27–45 |
| *Dudchenko I.P., Kostylev D.V., Gulyakov S.A., Stovbun N.S*. A geophysical pulse voltage generator for seismic and electric exploration of the subsurface <https://doi.org/10.30730/gtrz.2021.5.1.046-054> | 2021, 1: 46–54 |
| *Rebetsky Yu.L.* On some aspects of the article «On the stress drop in North Eurasia earthquakes source-sites versus specific seismic energy». https://doi.org/10.30730/gtrz.2021.5.1.055-059 | 2021, 1: 55–59 |
| *Leksin V.K.* Application of high resolution seismic to search for local gas anomalies in the South Kirinskoye oil and gas condensate field <https://doi.org/10.30730/gtrz.2020.4.4.384-392> | 2020, 4: 384–392 |
| *Sycheva N.A., Bogomolov L.M.* On the stress drop in North Eurasia earthquakes source-sites versus specific seismic energy <https://doi.org/10.30730/gtrz.2020.4.4.393-416.417-446> | 2020, 4: 393–446 |
| *Korolev Yu.P., Korolev P.Yu.* Short-term forecast of local tsunamis based on data containing seismic noise from deep-ocean stations closest to the sources <https://doi.org/10.30730/gtrz.2020.4.4.447-460.461-473> | 2020, 4: 447–473 |
| *Semenova E.P., Boginskaya N.V., Kostylev D.V.* Uglegorsk earthquake on September 13, 2020 (Sakhalin Island): preconditions for the occurrence and the results of observations in the epicentral zone <https://doi.org/10.30730/gtrz.2020.4.4.474-485> | 2020, 4: 474–485 |
| *Kostylev D.V., Boginskaya N.V.* Seismoacoustic observations using molecular-electronic hydrophones on Sakhalin and the South Kuril Islands (Kunashir Island) <https://doi.org/10.30730/gtrz.2020.4.4.486-499> | 2020, 4: 486–499 |
| *Firstov P.P., Makarov E.O.* Long-term trends of subsoil radon in Kamchatka as indicators for the preparation of earthquakes with *М* > 7.5 at the Northwestern framing of the Pacific Ocean <https://doi.org/10.30730/gtrz.2020.4.3.270-278.279-287> | 2020, 3: 279–287 |
| *Budanov L.M., Senchina N.P., Shnyukova O.M., Gorelik G.D*. Study of paleochannels by means of gravimetric observations <https://doi.org/10.30730/gtrz.2020.4.3.288-296> | 2020, 3: 288–296 |
| *Kirilov A.A., Sychev V.N.* Changes in the total electron content of the ionosphere during a geomagnetic storm August 31 – September 3, 2019 according to GPS data <https://doi.org/10.30730/gtrz.2020.4.3.297-304> | 2020, 3: 297–304 |
| *Safonov D.A., Kostylev D.D., Fokina T.A., Kovalenko N.S.* Seismicity of the South Far East of Russia in 2019 <https://doi.org/10.30730/gtrz.2020.4.2.146-159> | 2020, 2: 146–159 |
| *Zakupin A.S., Boginskaya N.V.* Mid-term assessments of the seismic hazard on Sakhalin Island by the LURR method: new results <https://doi.org/10.30730/gtrz.2020.4.2.160-168.169-177> | 2020, 2: 160–177 |
| *Sycheva N.A.* Seismic moment tensor and dynamic parameters of earthquakes in the Central Tien Shan<https://doi.org/10.30730/gtrz.2020.4.2.178-191.192-209> | 2020, 2: 178–209 |
| *Safonov D.A., Fokina T.A., Kovalenko N.S.* Seismicity of the South Far East of Russia in 2018 [doi.org/10.30730/2541-8912.2019.3.4.364-376](http://doi.org/10.30730/2541-8912.2019.3.4.364-376) | 2019, 4: 364–376 |
| *Zakupin A.S., Boginskaya N.V., Andreeva M.Yu.* Methodological aspects of the study of seismic sequences by SDP (self-developing processes) on the example of the Nevel’sk earthquake on Sakhalin [doi.org/10.30730/2541-8912.2019.3.4.377-389](http://doi.org/10.30730/2541-8912.2019.3.4.377-389) | 2019, 4: 377–389 |
| *Kamenev P.A., Kostylev D.V., Boginskaya N.V., Zakupin A.S.* Geophysical surveys in the southern part of the Central Sakhalin Fault based on new integrated network [doi.org/10.30730/2541-8912.2019.3.4.390-402](http://doi.org/10.30730/2541-8912.2019.3.4.390-402) | 2019, 4: 390–402 |
| Request for discussion или Invitation to the discussion. *Bogomolov L.M.* [doi.org/10.30730/2541-8912.2019.3.1.003-004](http://doi.org/10.30730/2541-8912.2019.3.1.003-004) | 2019, 1: 3–4 |
| *Parovyshny V.A., Sohatyuk Yu.V., Parovyshny D.V., Veselov O.V., Kochergin E.V.* Approach to solve specific problems of operative predictions of seismic events [doi.org/10.30730/2541-8912.2019.3.1.005-018](https://doi.org/10.30730/2541-8912.2019.3.1.005-018) | 2019, 1: 5–18 |
| *Sverdlik L.G.*, *Imashev S.A.* On preseismic anomalies of atmosphere temperature [doi.org/10.30730/2541-8912.2019.3.1.019-026](https://doi.org/10.30730/2541-8912.2019.3.1.019-026) | 2019, 1: 19–26 |
| *Zakupin A.S., Boginskaya N.V.* Modern seismicity in the zone of the Central Sakhalin fault (south of Sakhalin Island): false alarm or postponed prediction? [doi.org/10.30730/2541-8912.2019.3.1.027-034](https://doi.org/10.30730/2541-8912.2019.3.1.027-034) | 2019, 1: 27–34 |
| *Sychev V.N., Sycheva N.A., Imashev S.A.* Study of aftershock sequence of Suusamyr earthquake [doi.org/10.30730/2541-8912.2019.3.1.035-043](https://doi.org/10.30730/2541-8912.2019.3.1.035-043) | 2019, 1: 35–43 |
| *Zhigulev V.V., Savitsky A.V., Zhigulev A.V.* Study of Bering Sea gas hydrates with application of AVO-analysis [doi.org/10.30730/2541-8912.2019.3.1.044-053](https://doi.org/10.30730/2541-8912.2019.3.1.044-053) | 2019, 1: 44–53 |
| *Kostina A.А., Zhelnin M.S., Plekhov О.А., Panteleev. I.А.* Investigation on eff ectiveness of analytical models to describe steam chamber growth during steam-assisted gravity drainage [doi.org/10.30730/2541-8912.2019.3.1.054-064](https://doi.org/10.30730/2541-8912.2019.3.1.054-064) | 2019, 1: 54–64 |
| *Polets A.Yu.* The stress-strained state of zones of deep-focus earthquakes of the Japan Sea region [doi.org/10.30730/2541-8912.2018.2.4.302-311](http://dx.doi.org/10.30730/2541-8912.2018.2.4.302-311) | 2018, 4: 302–311 |
| *Veselov O.V., Semakin V.P., Kochergin A.V.* Heat flow and neotectonics of the Deryugin Basin' (Okhotsk Sea) [doi.org/10.30730/2541-8912.2018.2.4.312-322](http://dx.doi.org/10.30730/2541-8912.2018.2.4.312-322) | 2018, 4: 312–322 |
| *Pavlova V.Yu., Zharkov R.V.* GPR surveys of the discharge zone of the Daginsky hydrothermal system (Sakhalin Island) [doi.org/10.30730/2541-8912.2018.2.4.323-331](http://dx.doi.org/10.30730/2541-8912.2018.2.4.323-331) | 2018, 4: 323–331 |
| ***Malyshev A.I., Malysheva L.K.*** Predictability of seismic energy rate in northwest frame of Pacific Ocean on the base of USGS catalogue [doi.org/10.30730/2541-8912.2018.2.3.141-153](http://dx.doi.org/10.30730/2541-8912.2018.2.3.141-153) | 2018, 3: 141–153 |
| *Prytkov A.S., Safonov D.A., Zakupin A.S.* Onor earthquake of August 14, 2016, Mw = 5.8 (Sakhalin Island) [doi.org/10.30730/2541-8912.2018.2.3.154-164](http://dx.doi.org/10.30730/2541-8912.2018.2.3.154-164) | 2018, 3: 154–164 |
| *Muhamadeeva V.A., Sycheva N.А.* Aftershock processes supporting moderate and weak earthquakes in the area of the Bishkek Geodynamic Test Site and in its vicinity [doi.org/10.30730/2541-8912.2018.2.3.165-180](http://dx.doi.org/10.30730/2541-8912.2018.2.3.165-180) | 2018, 3: 165–180 |
| *Zhigulev V.V., Uporov K.Yu., Zhigulev A.V.* Evaluation of petroleum potential of sedimentary cover, Terpeniya Bay based on kinematic and dynamic characteristics of seismic waves [doi.org/10.30730/2541-8912.2018.2.3.181-190](http://dx.doi.org/10.30730/2541-8912.2018.2.3.181-190) | 2018, 3: 181–190 |
| *Semenova E.P.,Kostylev D.V., Mikhailov V.I., Parshina I.A., Fercheva V.N.* Evaluation seismicity in Southern Sakhalin with the use of the method SOUS'09 [doi.org/10.30730/2541-8912.2018.2.3.191-195](http://dx.doi.org/10.30730/2541-8912.2018.2.3.191-195) | 2018, 3: 191–195 |
| *Safonov D.A.* Seismic activity of the Amur region and Primorye [doi.org/10.30730/2541-8912.2018.2.2.104-115](http://dx.doi.org/10.30730/2541-8912.2018.2.2.104-115) | 2018, 2: 104–115 |
| *Bogomolov L.M., Kamenev P.A., Sychev V.N.* On the slow waves and oscillations in a terrestrial crust and seismoionospheric relations [doi.org/10.30730/2541-8912.2018.2.1.003-015](http://dx.doi.org/10.30730/2541-8912.2018.2.1.003-015) | 2018, 1: 3–15 |
| *Firstov P.P., Makarov E.O., Glukhova I.P., Budilov D.I., Isakevich D.V.* Search for predictive anomalies of strong earthquakes according to monitoring of subsoil gases at Petropavlovsk-Kamchatsky geodynamic test site [doi.org/10.30730/2541-8912.2018.2.1.016-032](http://dx.doi.org/10.30730/2541-8912.2018.2.1.016-032) | 2018, 1: 16–32 |
| *Shatakhtsyan A.R.* Formal clustering method application to data on large and super-large ore deposits [doi.org/10.30730/2541-8912.2018.2.1.033-0](http://dx.doi.org/10.30730/2541-8912.2018.2.1.033-041)41 | 2018, 1: 33–41 |
| *Zakupin A.S., Kamenev P.A., Voronina T.E., Boginskaya N.V.* The estimation of seismic hazard in south part of Sakhalin for 2018 year (based on preliminary catalog) [doi.org/10.30730/2541-8912.2018.2.1.052-056](http://dx.doi.org/10.30730/2541-8912.2018.2.1.052-056) | 2018, 1: 52–56 |
| *Saprygin S.M.* Faults and wavequides in the Sakhalin depths [doi.org/10.30730/2541-8912.2017.1.4.047-052](http://doi.org/10.30730/2541-8912.2017.1.4.047-052) | 2017, 4: 47–52 |
| *Zakupin A.S., Kamenev P.A.* Space-time localization probability of enhanced seismic hazard in LURR medium-term prediction technique as applied to New Zealand territory [doi.org/10.30730/2541-8912.2017.1.3.040-049](http://doi.org/10.30730/2541-8912.2017.1.3.040-049) | 2017, 3: 40–49 |
| *Zolotukhin D.E.*, *Ivelskaya T.N.* On specific magnitude and geographical criterion for tsunami alarm announcement in the Sea of Japan [doi.org/10.30730/2541-8912.2017.1.3.050-056](http://doi.org/10.30730/2541-8912.2017.1.3.050-056) | 2017, 3: 50–56 |
| *Larionov I.A, Marapulets Yu.V., Mishchenko M.A., Solodchuk A.A., Shcherbina A.O.* Research of the acoustic emission of the near-surface sedimentary rocks in Kamchatka [doi.org/10.30730/2541-8912.2017.1.3.057-063](http://doi.org/10.30730/2541-8912.2017.1.3.057-063) | 2017, 3: 57–63 |
| *Borisov A.S., Borisov S.A.* Estimation of parameters of hydroacoustic signals of high frequency geoacoustic emission within Central Sakhalin Fault area [doi.org/10.30730/2541-8912.2017.1.3.064-070](http://doi.org/10.30730/2541-8912.2017.1.3.064-070) | 2017, 3: 64–70 |
| *Geomorphology and evolution geography* |  |
| *Kozlov D.N.* The largest lakes of the Kuril Islands: morphometry and geographical distribution (materials for the database) <https://doi.org/10.30730/gtrz.2020.4.4.506-513> | 2020, 4: 506–513 |
| *Razjigaeva N.G., Ganzey L.A., Makarova T.R., Kornyushenko T.V., Kudryavtseva E.P., Ganzei K.S., Sudin V.V., Kharlamov A.A.* Paleolake of Shkot Island: natural archive of climatic and landscape changes<https://doi.org/10.30730/gtrz.2020.4.2.230-249> | 2020, 2: 230–249 |
| *Bulgakov R.F., Afanas’ev V.V., Ignatov E.I.* Effect of hydroisostasy on postglacial transgression on the shelf and coast of Primorye as revealed by computer modelling <https://doi.org/10.30730/gtrz.2020.4.2.210-219.220-229> | 2020, 2: 210–229 |
| *Afanas'yev V.V.* A new type of aeolian morphogenesis on volcanic shores (Iturup Island, Great Kuril Ridge) [doi.org/10.30730/2541-8912.2019.3.4.423-427](http://doi.org/10.30730/2541-8912.2019.3.4.423-427) | 2019, 4: 423–427 |
| *Afanas'yev V.V., Uba A.V., Levitsky A.I.* Migration of the straits and pelagic sedimentation in the lagoons [doi.org/10.30730/2541-8912.2019.3.3.310-317](http://doi.org/10.30730/2541-8912.2019.3.3.310-317) | 2019, 3: 310–317 |
| *Razzhigaeva N.G., Ganzey L.A., Grebennikova T.A., Kaistrenko V.M., Kharlamov A.A., Arslanov Kh.A., Maksimov F.E.* Application of paleodata for evaluation of the tsunami hazard of the Malokurilskaya bay coast (Shikotan Island) [doi.org/10.30730/2541-8912.2019.3.2.219-236](https://doi.org/10.30730/2541-8912.2019.3.2.219-236) | 2019, 2: 219–236 |
| *Dunaev N.N., Repkina T.Yu., Baranskaya A.V., Afanasiev V.V.* Modern dynamics of an accumulative coast composed by pyroclastics of an underwater volcanic eruption [doi.org/10.30730/2541-8912.2019.3.2.237-244](https://doi.org/10.30730/2541-8912.2019.3.2.237-244) | 2019, 2: 237–244 |
| *Kozlov D.N., Koroteev I.G.* Modern data on morphology of the flooded caldera Lvinaya Past (Iturup Island, Southern Kuriles) [doi.org/10.30730/2541-8912.2019.3.2.245-248](https://doi.org/10.30730/2541-8912.2019.3.2.245-248) | 2019, 2: 245–248 |
| *Afanasiev V.V., Leont’yev I.O., Uba A.V.* Analysis of the dynamics of the lagoon accumulative barrier form (Sakhalin Island) on the basis of mathematical modeling and relief strain maps for a long-term period [doi.org/10.30730/2541-8912.2019.3.1.137-143](https://doi.org/10.30730/2541-8912.2019.3.1.137-143) | 2019, 1: 137–143 |
| *Afanasiev V.V., Ignatov E.I.* Geomorphological aspects of coast protection in high latitudes [doi.org/10.30730/2541-8912.2018.2.2.116-124](http://dx.doi.org/10.30730/2541-8912.2018.2.2.116-124) | 2018, 2: 116–124 |
| *Afanasiev V.V., Uba A.V., Gorbunov A.O., Zarochintsev V.S., Levitsky A.I.* Morphodynamics of the stable system of megafestons (sand waves) of Terpeniya Bay (Sakhalin Island) [doi.org/10.30730/2541-8912.2018.2.1.042-051](http://dx.doi.org/10.30730/2541-8912.2018.2.1.042-051)  | 2018, 1: 42–51 |
| *Afanasiev V.V., Romanov A.O., Uba A.V.* Dynamics of the shores during cold period [doi.org/10.30730/2541-8912.2017.1.1.023-029](http://doi.org/10.30730/2541-8912.2017.1.1.023-029) | 2017, 1: 23–29 |
| *Geoinformatiсs, Seismology* |  |
| *Nikonov V.S.* An algorithm for processing ice areas by Earth remote sensing data (by the example of MASIE-NH data) <https://doi.org/10.30730/gtrz.2021.5.1.067-071> | 2021, 1: 67–71 |
| *Senkevich Yu.I., Lukovenkova O.O., Solodchuk A.A.* Method to form a geophysical signals catalog based on geoacoustic emission signals [doi.org/10.30730/2541-8912.2018.2.4.409-418](http://dx.doi.org/10.30730/2541-8912.2018.2.4.409-418) | 2018, 4: 409–418 |
| *Cheshev M.E., Sychev V.N., Imashev S.A.* Algorithm of optimal choice of time series ranges for fractal analysis [doi.org/10.30730/2541-8912.2018.2.2.125-130](http://dx.doi.org/10.30730/2541-8912.2018.2.2.125-130) | 2018, 2: 125–130 |
| *Senachin V.N., Senachin M.V.* Computation of planetary and regional gravitational models of corn and mantles of the Earth with account of its spherical form [doi.org/10.30730/2541-8912.2018.2.2.131-137](http://dx.doi.org/10.30730/2541-8912.2018.2.2.131-137) | 2018, 2: 131–137 |
| *Makovetsky V.I., Dudchenko I.P., Zakupin A.S.* Autooscillation model of microseism’s sources [doi.org/10.30730/2541-8912.2017.1.4.037-046](http://doi.org/10.30730/2541-8912.2017.1.4.037-046) | 2017, 4: 37–46 |
| *Sychev V.N., Imashev S.A.* Estimation of Hurst exponent of seismic signal [doi.org/10.30730/2541-8912.2017.1.2.050-061](http://doi.org/10.30730/2541-8912.2017.1.2.050-061) | 2017, 2: 50–61 |
| *Sychev V.N., Dolgopolov B.K., Imashev S.A.* Method of multifractal analysis of seismic noise [doi.org/10.30730/2541-8912.2017.1.2.062-0](http://doi.org/10.30730/2541-8912.2017.1.2.062-068)68 | 2017, 2: 62–68 |
| *Oceanology* |  |
| *G.V. Shevchenko, V.N. Chastikov.* On the unusual distribution of modified Amur River water in the Aniva Bay (Sakhalin) in November 2001 <https://doi.org/10.30730/gtrz.2021.5.2.172-178> | 2021, 1: 172–178 |
| *Korablev O.A.* On a new predictor affecting ice formation in the Sea of Okhotsk <https://doi.org/10.30730/gtrz.2021.5.1.060-066> | 2021, 1: 60–66 |
| *Bulgakov R.F., Afanas’ev V.V.* Effects of hydroisostatic compensation depending on the shelf width on the example of the Laptev and East Siberian seas <https://doi.org/10.30730/gtrz.2020.4.3.305-312.313-320> | 2020, 3: 313–320 |
| *Kovalev P.D., Kovalev D.P., Shishkin A.A*. Study of waves in the bays and on the coast of Shikotan Island in the Lesser Kuril ridge <https://doi.org/10.30730/gtrz.2020.4.2.250-258> | 2020, 2: 250–258 |
| *Korolev Yu.P., Korolev P.Yu.* Simulation of the process of short-term forecasting of the 25.03.2020 Onekotan tsunami <https://doi.org/10.30730/gtrz.2020.4.2.259-265> | 2020, 2: 259–265 |
| *Shakirov R.B., Mau S., Mishukova G.I., Obzhirov A.I., Shakirova M.V., Mishukova O.V.* The features of methane fluxes in the western and eastern Artcic: A review. Part I (In English) <https://doi.org/10.30730/2541-8912.2020.4.1.004-025> | 2020,1: 4–25 |
| *Korolev Yu.P., Korolev P.Yu.* Are tsunamis long or dispersive waves? <https://doi.org/10.30730/2541-8912.2020.4.1.026-034> | 2020,1: 26–34 |
| *Shevchenko G.V., Chastikov V.N., Tsoy A.T.* Eddies off the southeast coast of Sakhalin Island <https://doi.org/10.30730/2541-8912.2020.4.1.035-045> | 2020,1: 35–45 |
| *Razjigaeva N.G., Grebennikova T.A., Ganzey L.A., Gorbunov A.O., Ponomarev V.I., Klimin M.A., Arslanov Kh.A., Maksimov F.E., Petrov A.Yu.* Reconstruction of paleotyphoons and recurrence of extreme floods in south Sakhalin Island in Middle–Late Holocene <https://doi.org/10.30730/2541-8912.2020.4.1.046-070> | 2020,1: 46–70 |
| *Kaistrenko V.M.* Peculiarity of using the paleotsunami data for the tsunami hazard estimation [doi.org/10.30730/2541-8912.2019.3.4.403-416](http://doi.org/10.30730/2541-8912.2019.3.4.403-416) | 2019, 4: 403–416 |
| *Kaistrenko V.M., Razjigaeva N.G., Ganzey L.A., Gorbunov A.O., Nishimura Yu.* The manifestation of tsunami of August 1, 1940 in the Kamenka settlement, Primorye (new data concerning the old tsunami) (In English) [doi.org/10.30730/2541-8912.2019.3.4.417-422](http://doi.org/10.30730/2541-8912.2019.3.4.417-422) | 2019, 4: 417–422 |
| *Kovalev D.P., Kovalev P.D., Khuzeeva M.O.* Peculiarities of sea waves near the southeastern coast of Sakhalin Island at passing cyclones above the observation area [doi.org/10.30730/2541-8912.2019.3.3.296-303](http://doi.org/10.30730/2541-8912.2019.3.3.296-303) | 2019, 3: 296–303 |
| *Borisov A.S., Kovalev D.P., Kostylev D.V., Levin Yu.N.* Microseisms on the North of Sakhalin Island caused by sea waves [doi.org/10.30730/2541-8912.2019.3.2.201-208](https://doi.org/10.30730/2541-8912.2019.3.2.201-208) | 2019, 2: 201–208 |
| *Gorbunov A.O., Kovalev D.P., Kovalev P.D.* The sediment transported by the flow in the eroding area of the Mordvinov Gulf coast (Sakhalin Island) [doi.org/10.30730/2541-8912.2019.3.2.209-218](https://doi.org/10.30730/2541-8912.2019.3.2.209-218) | 2019, 2: 209–218 |
| *Shakirov R.B., Obzhirov A.I., Shakirova M.V., Maltseva E.V.* On gas hydrates of East Asian marginal seas: patterns of genesis and distribution (review) [doi.org/10.30730/2541-8912.2019.3.1.065-106](https://doi.org/10.30730/2541-8912.2019.3.1.065-106) | 2019, 1: 65–106 |
| *Shakirov R.B., Mishukova O.V.* The spatial distribution of the methane fluxes on the water–atmosphere boundary in the Sea of Okhotsk [doi.org/10.30730/2541-8912.2019.3.1.107-123](https://doi.org/10.30730/2541-8912.2019.3.1.107-123) | 2019, 1: 107–123 |
| *Shevchenko G.V., Khuzeeva M.O., Yachmenev V.E., Shishkin A.A.* Storm waves in the South Kuril Island by visual and instrumental data [doi.org/10.30730/2541-8912.2019.3.1.124-136](https://doi.org/10.30730/2541-8912.2019.3.1.124-136) | 2019, 1: 124–136 |
| *Kovalev P.D., Kovalev D.P., Kirillov K.V.* The precursors of a storm [doi.org/10.30730/2541-8912.2018.2.4.332-338](http://dx.doi.org/10.30730/2541-8912.2018.2.4.332-338) | 2018, 4: 332–338 |
| *Kirillov K.V.* The investigation of wave field using autonomous wave registrator ARV-K14 in the coastal area [doi.org/10.30730/2541-8912.2018.2.4.339-345](http://dx.doi.org/10.30730/2541-8912.2018.2.4.339-345) | 2018, 4: 339–345 |
| *Shevchenko G.V., Loskutov A.V., Kaystrenko V.M.* A new map of tsunami hazard for the South Kuril Islands [doi.org/10.30730/2541-8912.2018.2.3.225-238](http://dx.doi.org/10.30730/2541-8912.2018.2.3.225-238) | 2018, 3: 225–238 |
| *Kovalev P.D., Kovalev D.P.* Measuring the thickness of the sea ice with the use of storms waves [doi.org/10.30730/2541-8912.2018.2.3.239-244](http://dx.doi.org/10.30730/2541-8912.2018.2.3.239-244) | 2018, 3: 239–244 |
| *Shevchenko G.V., Chastikov V.N., Kirillov K.V., Kusaylo O.V.* Peculiarities of hydrophysical processes in the vicinity of cape Svobodniy (southeastern coast of Sakhalin Island) from the data of instrumental measurements [doi.org/10.30730/2541-8912.2018.2.2.081-091](http://dx.doi.org/10.30730/2541-8912.2018.2.2.081-091) | 2018, 2: 81–91 |
| *Obzhirov A.I., Baranov B.V., Shakirov R.B., Prokudin V.G., Mal’tseva E.V.* Landslide processes on the South-West slope of the Kuril basin of Okhotsk Sea [doi.org/10.30730/2541-8912.2018.2.2.092-098](http://dx.doi.org/10.30730/2541-8912.2018.2.2.092-098) | 2018, 2: 92–98 |
| *Kovalev D.P., Kovalev P.D.* Nonlinear transformation of wind waves and swell under ice [doi.org/10.30730/2541-8912.2018.2.2.099-103](http://dx.doi.org/10.30730/2541-8912.2018.2.2.099-103) | 2018, 2: 99–103 |
| *Korolev Yu.P.* The short-term tsunami forecast in the Pacific Ocean [doi.org/10.30730/2541-8912.2017.1.2.003-017](http://doi.org/10.30730/2541-8912.2017.1.2.003-017) | 2017, 2: 3–17 |
| *Kovalev D.P., Kovalev P.D., Kirillov K.V.* The investigation of dangerous marine phenomena in the coastal zone based on the field observations results [doi.org/10.30730/2541-8912.2017.1.2.018-034](http://doi.org/10.30730/2541-8912.2017.1.2.018-034) | 2017, 2: 18–34 |
| *Shevchenko G.V., Loskutov A.V.* Features of tsunamis in the ports of the Sakhalin Region inferred from the data of instrumental measurements and numerical modeling [doi.org/10.30730/2541-8912.2017.1.2.035-049](http://doi.org/10.30730/2541-8912.2017.1.2.035-049) | 2017, 2: 35–49 |
| ***Geoecology*** |  |
| *S.Yu. Lupakov.* Estimation of the runoff elasticity of the rivers in the eastern part of the Amur River basin <https://doi.org/10.30730/gtrz.2021.5.2.179-188> | 2021, 2: 179–188 |
| *Zharkov R.V.* Thermal waters of the Ebeko volcano (Paramushir Island, Kuril Island) and their recreation and tourism potential <https://doi.org/10.30730/gtrz.2020.4.4.514-525> | 2020, 4: 514–525 |
| *Muzychenko L.E., Kazakova E.N.* Anthropogenic debris flows in Sakhalin <https://doi.org/10.30730/gtrz.2020.4.3.359-368> | 2020, 3: 359–368 |
| *Zharkov R.V., Kozlov D.N., Ershov V.V., Syrbu N.S., Nikitenko O.A., Ustyugov G.V.* Paromay thermal springs of Sakhalin Island: modern state and prospects for use [doi.org/10.30730/2541-8912.2019.3.4.428-437](http://doi.org/10.30730/2541-8912.2019.3.4.428-437) | 2019, 4: 428–437 |
| *Zharkov R.V., Kozlov D.N., Chelnokova B.I.* Physical and chemical features of some freshwater lakes in the Elizovo district of the Kamchatka (Russia) [doi.org/10.30730/2541-8912.2019.3.4.438-447](http://doi.org/10.30730/2541-8912.2019.3.4.438-447) | 2019, 4: 438–447 |
| *Zharkov R.V.* Physical and chemical properties and prospects for use of sapropelic mud of the Bolshoe Chibisanskoe Lake (Sakhalin Island) [doi.org/10.30730/2541-8912.2019.3.3.318-324](http://doi.org/10.30730/2541-8912.2019.3.3.318-324) | 2019, 3: 318–324 |
| *Nikitenko O.A., Ershov V.V.* Physical-chemical properties of natural waters in the area municipal solid waste landfill (Yuzhno-Sakhalinsk) [doi.org/10.30730/2541-8912.2019.3.3.325-332](http://doi.org/10.30730/2541-8912.2019.3.3.325-332) | 2019, 3: 325–332 |
| *Zharkov R.V.* Physical and chemical properties of thermal waters of the Lunsky springs (Sakhalin Island) [doi.org/10.30730/2541-8912.2019.3.2.249-255](https://doi.org/10.30730/2541-8912.2019.3.2.249-255) | 2019, 2: 249–255 |
| *Ezhkin A.K.* Lichens of wood substrates in areas of solfataric activity on Southern Kuriles [doi.org/10.30730/2541-8912.2019.3.2.256-263](https://doi.org/10.30730/2541-8912.2019.3.2.256-263) | 2019, 2: 256–263 |
| *Mishurinskij D.V., Ershov V.V., Zharkov R.V., Kopanina A.V., Kozlov D.N., Lebedeva E.V., Abdullaeva I.V., Vlasova I.I.*, *Mikhalev D.V.* Geological-geomorphological and landscape-ecological features of the Pugachev Mud Volcano as a basis for organization and information support of the tourist route (Sakhalin Island) [doi.org/10.30730/2541-8912.2018.2.4.398-408](http://dx.doi.org/10.30730/2541-8912.2018.2.4.398-408) | 2018, 4: 398–408 |
| ***Mechanics of deformable solids. Geomechanics*** |  |
| *Mubassarova V.A., Bogomolov L.M., Zakupin A.S., Panteleev I.A.* Acoustic emission and strain responses of rocks triggered by electromagnetic action (A review). Part 1 [doi.org/10.30730/2541-8912.2019.3.2.155-174](http://doi.org/10.30730/2541-8912.2019.3.2.155-174) | 2019, 2: 155–174 |
| *Zabolotin A.E., Tomilev D.E.* Modeling of the stressed-strained state of a fault zone in injection/pumping of a fluid [doi.org/10.30730/2541-8912.2017.1.4.030-036](http://doi.org/10.30730/2541-8912.2017.1.4.030-036) | 2018, 4: 398–408 |
| *Damaskinskaya E.E., Panteleev I.A., Frolov D.I., Vasilenko N.F.* Features of the critical stage of fracture process of deformed heterogeneous materials [doi.org/10.30730/2541-8912.2018.2.3.245-251](http://dx.doi.org/10.30730/2541-8912.2018.2.3.245-251) | 2018, 3: 245–251 |
| *Kamenev P.A., Usoltseva O.M., Tsoi P.A., Semenov V.N., Sivolap B.B.* Laboratory research of geomechanical parameters of sedimentary rocks massifs in the South Sakhalin [doi.org/10.30730/2541-8912.2017.1.1.030-036](http://doi.org/10.30730/2541-8912.2017.1.1.030-036) | 2017, 1: 30–36 |
| ***Current Events*** |  |
| Third National scientific and practical conference with international participation: «Oil and gas complex: problems and solutions» | 2021, 1: 72 |
| Science vs. natural disasters: monitoring, prediction, warning of the consequences. *Zakupin A.S., comp.* | 2017, 2: 69–71 |
| ***Conference, expeditions*** |  |
| *Obzhirov A.I.* Gasgeochemical precursors of seismic activity, earthquakes, volcanic episodes on the Kamchatka and Sea of Okhotsk (to use information of the Kamchatka scientific conferences 2017) [doi.org/10.30730/2541-8912.2018.2.1.057-068](http://dx.doi.org/10.30730/2541-8912.2018.2.1.057-068) | 2018, 1: 57–68 |
| III Russian scientific conference with foreign participants “Geodynamical Processes and Natural Hazards” (Yuzhno-Sakhalinsk, 2019) | 2019, 3: 333–341 |
| ***From the Editorial Board*** |  |
| 60 years – Doctor of Physical and Mathematical Sciences Leonid M. Bogomolov | 2018, 1: 69–74 |
| To the 80-th anniversary of Corresponding Member of RAS B.W. Levin. *Nizyaeva G.F., comp.* | 2017, 3: 71–89 |