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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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 |
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| *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* |  |
| *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*** |  |
| *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» | 221, 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 |