

---

---

CONTENTS

**The modern geological processes**

- THE JANUARY 4, 2014 COLLAPSE AND LANDSLIDE IN  
THE VALLEY OF GEYSERS, KAMCHATKA, AND THEIR AFTERMATH  
*Leonov V.L.* 7
- THE ACTIVISATION OF ZHUPANOVSKY VOLCANO IN 2013-2014  
*Samoilenko S.B., Melnikov D.V., Chirkov S.A., Manevich T.M.* 21

**Results of Scientific Research**

- INVESTIGATION OF RELATION BETWEEN THE SUN ACTIVITY  
AND THE EARTH SEISMIC ACTIVITY USING THE WAVELET TRANSFORMATION  
*Sergeyeva N.A., Shestopalov I.P., Zabarinskaya L.P., Nisilevich M.V.,  
Zgurovsky M.Z., Boldak A.A., Efremov K.V.* 27
- FORECASTING OF LARGE EARTHQUAKES BASED ON RADON MONITORING  
IN THE PETROPAVLOVSK-KAMCHATSKY GEODYNAMICAL TESTING AREA  
*Firstov P.P.* 35
- PECULIARITIES OF METHODS AND INSTRUMENTATION FOR SEISMIC  
PROCESS REGISTRATION IN A WIDE FREQUENCY BAND  
*Cherepantsev A.S.* 50
- UPPER MANTLE POLYMORPHOUS TRANSFORMATIONS  
FOR DIFFERENT TECTONIC ZONES  
*Tarakanov R.Z., Veselov O.V.* 58
- ESTIMATION OF SEDIMENTARY ROCKS DENSITY USING THE ACOUSTIC LOGGING  
DATA AND EMPIRIC EQUATION: A CASE STUDY FOR SAKHALIN ISLAND  
*Kamenev P.A.* 69
- MAGNETIC SUSCEPTIBILITY OF THE PHANEROZOIC  
DEPOSITS OF THE VORONEZH ANTECLISE  
*Muravina O.M., Zhavoronkin V.I.* 79
- PRELIMINARY RESULTS FROM PALEOMAGNETIC INVESTIGATION  
OF PALEOZOIC ROCKS IN WESTERN MONGOLIA  
*Kovalenko D.V., Ageyeva O.A., Mongush A.A., Stavrova O.O., Mokrushnikov V.P.* 89
- ANALYSIS OF THE COLLISIONAL UPLIFTS EROSION INFLUENCE ON  
THE OVERTHRUSTED STRUCTURES AND THE PROCESS OF DEEP  
CRUSTAL ROCKS EXHUMATION (NUMERICAL MODELING)  
*Parphenuk O.I.* 107
- GRANITE FORMATION IN A CONTINENTAL CRUST: DYNAMICS  
OF TECTONIC POSITIONING AND STRUCTURIZATION OF  
INTRUSIONS (A CASE STUDY FOR PRIMORYE, RUSSIA)  
*Nevolin P.L., Utkin V.P., Mitrokhin A.N.* 121
- ASSESSMENT CRITERIA FOR RECOURCES POTENTIAL OF  
TECHNOGENIC FORMATION OF ALLUVIAL GOLD PLACERS  
*Mirzekhanov G.S.* 139
- THE ELNINSKIY MASSIF OF THE BURINDINSKIY COMPLEX IN THE UMLEKANO-  
OGODZHINSKIY VULKANO-PLUTONIC ZONE IN TOP PRIAMURYE REGION: NEW  
GEOCHRONOLOGICAL, GEOCHEMICAL AND ISOTOPE- GEOCHEMICAL DATA  
*Strikha V.Ye., Agafonenko S.G.* 151
- COMPARATIVE PETROLOGY OF INTRUSIONS IN THE NORTHERN AND  
SOUTHERN ZONES OF THE KAMCHATKA NICKEL-BEARING PROVINCE  
*Selyangin O.B.* 168
- THE RELATION BETWEEN THE SPATIAL STRUCTURE OF THE HYDROTHERMAL  
PROCESS AND DISTRIBUTION OF POTENTILLA STOLONIFERA CENOSIS

ON THERMAL FIELDS OF THE PAUZHETKA AND BOLSHE-BANNY HYDROTHERMAL SYSTEMS (SOUTHERN KAMCHATKA) <i>Samkova T. Yu.</i>	186
<b>Discussions</b>	
THE PECULIARITIES OF GEOMORPHOLOGY AND FORMATION HISTORY OF THE VOLCANOLOGISTS MASSIF IN THE BERING SEA (THE NEW VERSION) <i>Melekestsev I. V.</i>	200
MAGMA CHAMBER AS A PROPERTY OF THE EARTH CRUST <i>Vikulin A. V., Akmanova D. R.</i>	213
REVIEW ON THE PAPER BY VIKULIN A. V., AKMANOVA D. R. «MAGMA CHAMBER AS A PROPERTY OF THE EARTH CRUST» <i>Melekestsev I. V.</i>	231
<b>Chapters of history</b>	
LIFE ON VOLCANOES (THE 100th ANNIVERSARY OF HAROUN TAZIEFF) <i>Blokh Yu. I.</i>	233
<b>Expeditions, Field Seminars and Practice</b>	
EDUCATIONAL WORKSHOP ON THE MODERN ELECTRICAL EXPLORATION TECHNOLOGY «ALEXANDROVKA 2014» <i>Samoilova O. M.</i>	242
<b>Anniversaries</b>	
The 70th Anniversary of Valery A. Gavrilov	245
<b>In memory of Kamchatka scientists</b>	
In memory of Boris V. Ivanov	247
<b>Topics of the Journal and Rules for Authors</b>	249