

CONTENTS

The modern geological processes

- TRAVERTINES AND SPELEOTHEMES OF THE KAMCHATSKY MYS PENINSULA (KAMCHATKA)
Savelyev D.P., Novakov R.M., Cherkashin R.I. 7

Results of the Scientific Researches

- HYDROGEOCHEMISTRY OF THE WESTERN FLANK OF KUNTOMINTAR
VOLCANO (SHIASHKOTAN ISLAND, THE KURILE ISLANDS)
Kalacheva E.G., Kotenko T.A. 12
- APPLICATION OF MODERN COMPUTER TECHNOLOGIES FOR INVESTIGATION
OF SUBMARINE VOLCANIC CENTRE NEAR THE SOUTH-WESTERN COAST
OF SIMUSHIR ISLAND, THE KURILE ISLAND ARC
Blokh Yu.I., Bondarenko V.I., Dolgal A.S., Novikova P.N., Pilipenko O.V., Rashidov V.A., Trusov A.A. 27
- HETEROGENEOUS STRUCTURE OF THE LITHOSPHERE IN THE EASTERN
PART OF THE INDIAN OCEAN BASED ON THE RESULTS FROM THE ANALYSIS
OF THE GRAVITY AND ANOMALOUS MAGNETIC FIELDS
Bulychev A.A., Gilod D.A., Dubinin E.P. 41
- CONDITION OF GEODYNAMIC MOBILITY IN MANTLE BASED ON DATA
FROM SEISMIC TOMOGRAPHY AND P AND S WAVES VELOCITY RATIO
Sokolov S.Y. 55
- PRESENT STRESS FIELD OF THE CRUST IN SOUTH-WEST EUROPE
AND THE MEDITERRANEAN SEA
Rebetsky Yu.L., A.A. Ovcharenko Yu.L., Savvychev P.A. 68
- ROCK MAGNETIC AND MAGNETOSTRATIGRAPHIC INVESTIGATIONS
OF UPPER SARMATIAN DEPOSITS OF REFERENCE SECTION POPOV KAMEN
(TAMAN PENINSULA)
Pilipenko O.V., Trubikhin V.M. 85
- COMPARATIVE PETROLOGY OF INTRUSIONS IN THE NORTHERN AND SOUTHERN
ZONES OF THE KAMCHATKA NICKELIFEROUS PROVINCE. PART TWO
Selyangin O.B. 95
- MODEL OF THE TECTONIC AND MAGMATIC PROCESSES IN THE KLYUCHEVSKOY
GROUP OF VOLCANOES BASED ON GEOLOGICAL AND GEOPHYSICAL DATA
Ermakov V.A., Garagash I.A., Gontovaya L.I. 116
- THE MARCH 13, 2013 ILPYRSKOYE EARTHQUAKE $M_w = 5.8$
(THE NORTHERN KAMCHATKA): ABNORMAL LENGTH OF FOCAL ZONE AS
AN ARTIFACT
Saltykov V.A., Droznina S.Ya. 130
- PENTLANDITE AND AWARUITE FROM ULTRAMAFIC MASSIF OF MOUNT
SOLDATSKAYA, THE KAMCHATKA PENINSULA CAPE (KAMCHATKA)
Novakov R.M., Moskaleva S.V., Ivanov V.V., Palamar S.V. 137
- INVESTIGATION OF RECENT MOLODOY SHIVELUCH VOLCANO EXTRUSIVE ACTIVITY
ON THE BASE OF GEOMORPHOLOGICAL ANALYSIS AND PHOTOGRAMMETRIC
PROCESSING OF STEREO IMAGES
Shevchenko A.V., Svirid I.Yu., Dvigalo V.N. 147
- MERCURY-BEARING SULPHIDE FROM LUNAR REGOLITH OF MARE FECUNDITATIS
Mokhov A.V., Kartashov P.M., Gornostaeva T.A., Bogatikov O.A. 160

Brief Communication

- DISLOCATIONS OF PLIOCENE BASALTS IN SOUTH VIETNAM
Phung Van Phach, Kasatkin S.A., Le Duc Anh, Nguyen Quang Minh, Golozubov V.V. 165

Discussions

- EFFECT OF VORTEX MOTION ON THE GEODYNAMICS OF THE AEGEAN SEA (BASED ON COMPARATIVE ANALYSIS WITH GEODYNAMICS OF THE WOODLARK BASIN)
Mirlin E.G., Mironov Yu.V. 173
- VORTEX MOTION IN GEOLOGY
Peer review: E.G. Mirlin, Yu.V. Mironov «Effect of Vortex Motion on the Geodynamics of the Aegean Sea (Based on Comparative Analysis with Geodynamics of the Woodlark Basin)»
Vikulin A.V. 186

Young Scientist's Papers

- EXPERIMENTAL-METHODICAL GEOPHYSICAL WORKS ON THE TERRITORY OF THE HISTORICAL-NATURAL COMPLEX «ICE MOUNTAIN AND KUNGUR ICE CAVE»
Pugin A.V., Michurin A.V., Simanov A.A., Khohlova V.V., Novikova P.N. 191

Expeditions, Field Seminars and Practice

- FIELDWORKS AT OLIMPIYSKIY VENT IN AUGUST 2014, ATLASOV ISLAND, THE KURILES
Rashidov V.A., Anikin L.P. 198
- STUDY THE GRAVITATIONAL FIELD OF THE EARTH IN EXPEDITIONS BY IPE RAS ON THE KAMCHATKA PENINSULA IN 2014
Koneshov V.N., Abramov D.V., Drobyshev N.V., Kuznetsova N.V., Makushin A.V., Pogorelov V.V., Solovyov V.N. 204

Workshops

- INTERNATIONAL CONFERENCE «ENDOGENOUS ACTIVITY OF THE EARTH AND BIOSOCIAL PROCESSES» (GEOBIO2014)
Vikulin A.V., Volfson I.F. 211
- 8-th BIENNIAL WORKSHOP ON JAPAN-KAMCHATKA-ALASKA SUBDUCTION PROCESSES, SAPPORO, JAPAN, 22-26 SEPTEMBER 2014
Chebrov D.V. 213
- 12-th FIELD WORKSHOP ON VOLCANIC GASES (CCVG-IAVCEI), CHILE, ATACAMA, NOVEMBER 16-24, 2014
Taran Yu.A. 215
- THE FIRST INTERNATIONAL WORKSHOP ON VOLCANIC GEOLOGY (MADEIRA, PORTUGAL)
Shevchenko A.V., Svirid I.Yu. 219
- 11-th INTERNATIONAL SYMPOSIUM FROM GONDWANA TO ASIA (BEIJING, CHINA)
Skilskaya E.D. 223

Anniversaries

The 70th Anniversary of Sergey A. Khubunaya

- Scientific Publications** 228
- Topics of the Journal and Rules for Authors** 229