

Contents of volume 64 (2020)

Ghafor ALAVI, Kaikhosrov RADMARD, Hassan ZAMANIAN, Mohammad Reza HOSSEINZADEH and Ahmad Ahmadi KHALAJI – Geochemistry of skarn and porphyry deposits in relation to epithermal mineralization in the Arasbaran metallogenic zone, NE Tabriz, Iran, 1: 141–164

Roman AUBRECHT, Simona BELLOVÁ and Tomáš MIKUŠ – Provenance of Albian to Cenomanian exotics-bearing turbidites in the Western Carpathians: a heavy mineral analysis, 3: 658–680

Ara AVAGYAN, Lilit SAHAKYAN, Khachatur MELIKSETIAN, Arkadi KARAKHANYAN, Vasily LAVRUSHIN, Tatul ATALYAN, Hayk HOVAKIMYAN, Seda AVAGYAN, Petros TOZALAKYAN, Evgenia SHALAEVA, Christine CHATAINGER, Sergey SOKOLOV, Arkadi SAHAKOV and Gagik ALAVERDYAN – New evidences of Holocene tectonic and volcanic activity of the western part of Lake Sevan (Armenia), 2: 288–303

Ramona BĂLC, Carmen ROBA, Gheorghe ROŞIAN, Dan COSTIN, Csaba HORVATH, Octavia Raluca ZGLOBIU and Diana CHIRTOŞ – Changes in the physico-chemical properties of topsoil in a landslide-affected area (western part of the Transylvanian Basin, Romania), 4: 931–941

Anna BECKER, Anna FIJAŁKOWSKA-MADER and Marek JASIONOWSKI – Marine vs. terrestrial environments during Early Triassic deposition on the northeastern margin of the Central European Basin – a multidisciplinary study on the Middle Buntsandstein of the Bartoszyce IG 1 borehole, NE Poland, 4: 1023–1047

Anna BECKER, Anna FIJAŁKOWSKA-MADER, Jerzy NAWROCKI and Katarzyna SOBIEŃ – Integrated palynostratigraphy and magnetostratigraphy of the Middle and Upper Buntsandstein in NE Poland – an approach to correlating Lower Triassic regional isochronous horizons, 3: 460–479

Dawid BIAŁEK – Geochemistry and geochronology of the Jawornik granitoids, Orlica-Śnieżnik Dome, Sudetes, Poland, 4: 942–957

Wolfgang BLENDINGER – The dolomite problem: evidence from 3D modeling, XRD and geochemical data of Zechstein reefs (Upper Permian, Germany), 3: 692–710

Uk Hwan BYUN, A.J. (Tom) VAN LOON, Yi Kyun KWON and Kyoungtae KO – Intrastratal flow in the Cretaceous Gyeokpori Formation (SW South Korea), 3: 611–625

Danuta CYBULSKA and Jacek RUBINKIEWICZ – The *Apsectodinium* spp. acme as an evidence for the Paleocene-Eocene thermal maximum from the Polish Outer Carpathians, 2: 241–251

Paulina DEMBSKA-SIĘKA, Andrzej PELC and Lucyna RAJCHEL – The origin and chemical composition of Carpathians chloride CO₂-rich waters in the light of stable chlorine isotope studies (³⁷Cl and ³⁵Cl), 1: 197–204

Simina Dumitrița DUMITRIU, Zofia DUBICKA, Sergiu LOGHIN, Mihaela Carmen MELINTE-DOBRINESCU and Jolanta PARUCH-KULCZYCKA – The evolution of the Carpathian Foredeep Basin during the latest Badenian and Sarmatian (Middle Miocene): inferences from micropalaeontological data, 4: 1004–1022

Danuta DZIEDUSZYŃSKA, Joanna PETERA-ZGANIACZ and Małgorzata ROMAN – Vistulian periglacial and glacial environments in central Poland: an overview, 1: 54–73

Jan DZIERŻEK, Leszek LINDNER and Jerzy NAWROCKI – The loess section in Wąchock as the key site of Vistulian loesses and palaeosols in the Holy Cross Mountains (Poland), 2: 252–262

Anna FILIPEK – Palynofacies analysis, sedimentology and hydrocarbon potential of the Menilite Beds (Oligocene) in the Slovakian and Romanian Outer Carpathians, 3: 589–610

Sorin FILIPESCU, Dan M. TĂMAŞ, Răzvan-Ionuț BERCEA, Alexandra TĂMAŞ, Ramona BĂLC, Daniel ȚABĂRĂ, Raluca BINDIU-HAITONIC, Lóránd SILYE, Andreea AUER, Csaba KRÉZSEK, Zsolt SCHLÉDER and Emanoil SĂSĂRAN – Biostratigraphic re-evalu-

ation of the lower to middle Miocene succession in the Eastern Carpathians: a case study related to the oil fields of the Diapir Fold Zone, Romania, 3: 781–800

Krzysztof FOLTYN, Viktor BERTRANDSSON ERLANDSSON, Gabriela A. KOZUB-BUDZYŃ, Frank MELCHER and Adam PIESTRZYŃSKI – Indium in polymetallic mineralisation at the Gierczyn mine, Karkonosze-Izera Massif, Poland: results of EPMA and LA-ICP-MS investigations, 1: 74–85

Ryszard HABRYN, Ewa KRZEMIŃSKA, Leszek KRZEMIŃSKI, Marek MARKOWIAK and Grzegorz ZIELIŃSKI – Detrital zircon age data from the conglomerates in the Upper Silesian and Małopolska blocks, and their implications for the pre-Variscantectonic evolution (S Poland), 3: 321–341

Dmytro V. HLAVATSKYI and Vladimir G. BAKHMUTOV – Magnetostratigraphy and magnetic susceptibility of the best developed Pleistocene loess-palaeosol sequences of Ukraine: implications for correlation and proposed chronostratigraphic models, 3: 723–753

Janusz JANECZEK, Krzysztof SZOPA and Monika FABIAŃSKA – Anhydrite-(Ce) from quartz-calcite-chlorite veins in phyllite of the Opava Mountains (SW Poland), 3: 801–806

Katarzyna JARMÓLOWICZ-SZULC – A reappraisal of K-Ar and new U-Pb age data for felsic rocks in the vicinity of the Kraków-Lubliniec Fault Zone (southern Poland), 3: 754–765

Jacek Robert KASIŃSKI, Regina KRAMARSKA, Barbara SŁODKOWSKA, Vadim SIVKOV and Marcin PIWOCKI – Paleocene and Eocene deposits on the eastern margin of the Gulf of Gdańsk (Yantarny P-1 borehole, Kaliningrad region, Russia), 1: 29–53

Akos KERESZTURI, Bernadett PAL and Akos GYENIS – Temperature and humidity monitoring to identify ideal periods for liquefaction on Earth and Mars – data from the High Andes, 4: 898–914

Maciej R. KŁONOWSKI, Jacek KOCYŁA, Grzegorz RYŻYŃSKI and Mateusz ŹERUŃ – Evaluation and statistical interpretation of low-temperature geothermal energy potential for selected locations in Poland, 3: 506–514

İsmail KOÇAK – Geochemistry of the Igdeköy-Doganlar Na-Ca borate deposit, Emet Province (western Anatolia, Turkey), 3: 807–818

Réka KOVÁCS and Călin Gabriel TĂMAŞ – Cu₃(As,Sb)S₄ minerals from the Baia Mare metallogenic district, Eastern Carpathians, Romania – a case study from the Cisma ore deposit, 2: 263–274

Aleksandra KOZŁOWSKA and Maria I. WAKSMUNDZKA – Diagenesis, sequence stratigraphy and reservoir quality of the Carboniferous deposits of the southeastern Lublin Basin (SE Poland), 3: 422–459

Andrzej LEŚNIAK and Stanisława PORZYCKA-STRZELCZYK – The pattern of surface deformations in the Dąbrowa Basin (Poland) based on PSInSAR analysis, 2: 304–318

Elżbieta MACHANIEC, Olwia KOWALCZEWSKA, Małgorzata JUGOWIEC, M. Adam GASIŃSKI and Alfred UCHMAN – Foraminiferal and calcareous nannoplankton bioevents and changes at the Late Cretaceous-earliest Paleogene transition in the northern margin of Tethys (Hyżne section, Polish Carpathians), 3: 567–588

Adrian MARCISZAK and Grzegorz LIPECKI – Fossil bear material from the oldest deposits in the Jasna Strzegowska cave (Silesia, southern Poland), 4: 861–875

Adrian MARCISZAK and Grzegorz LIPECKI – The history of bears (Ursidae, Carnivora, Mammalia) from Silesia (southern Poland) and the neighbouring areas, 4: 876–897

Leszek MARKS and Stanisław WOŁKOWICZ – A hundred years of the Polish Geological Institute. Editorial, 3: 319–320

Monika MASIAK, Marzena STEMPIEŃ-SAŁEK and Teresa PODHALAŃSKA – Microphytoplankton from middle palaeolatitudes of the Southern Hemisphere – a record from climate change strata of Baltica's O/S boundary, 1: 86–103

Sławomir MEDERSKI, Jaroslav PRŠEK and Žaneta NIEMASZ – Geochemistry of tetrahedrite group minerals and associated silver paragenesis in the Boguszów baryte deposit, Poland, 4: 958–968

Damian MOSKAŁEWCZ, Karol TYLMANN, Piotr Paweł WOŹNIAK, Natalia KOPYŚĆ and Piotr MOSKA – Fluvial response to environmental conditions during MIS 4–3: a sedimentary record at the Brześnica site, central-western Poland, 4: 915–930

Zahra Yekani MOTLAGH, Ali IMAMALIPOUR and Habibollah BAZDAR – Delineation of ore zones using the concentration-volume fractal method in the Dagh Dali Zn-Pb (\pm Au) prospect, north of Takab (Iran), 2: 275–287

Jolanta MUSZER – First discovery of Mississippian trace fossils in the Świebodzice Unit from the Witoszów region (SW Poland), 4: 838–860

Marek NARKIEWICZ – The Variscan foreland in Poland revisited: new data and new concepts, 3: 377–401

Bogumił NOWAK and Jan PRZYBYŁEK – Recharge and drainage of lakes in the Powidzki Landscape Park in conditions of increased anthropogenic and environmental pressure (central-western Poland), 1: 205–219

Piotr OLCHOWY and Marcin KRAJEWSKI – Lower Kimmeridgian facies and sedimentary succession of a shallow-water coated-grain-dominated carbonate ramp of the northern peri-Tethyan shelf: an example from the Radomsko Folds (central Poland), 4: 969–987

Anna PASIECZNA, Agnieszka KONON and Weronika NADŁONEK – Sources of anthropogenic contamination of soil in the Upper Silesian Agglomeration (southern Poland), 4: 988–1003

Teresa PODHALAŃSKA, Anna FELDMAN-OLSZEWSKA, Joanna ROSZKOWSKA-REMIN, Marcin JANAS, Radomir PACHYTEL, Andrzej GŁUSZYŃSKI and Michał ROMAN – Prospective zones of unconventional hydrocarbon reservoirs in the Cambrian, Ordovician and Silurian shale formations of the East European Craton marginal zone in Poland, 3: 342–376

Paweł POPRAWA – Lower Paleozoic oil and gas shale in the Baltic-Podlasie-Lublin Basin (central and eastern Europe) – a review, 3: 515–566

Raghupratim RAKSHIT, Devojit BEZBARUAH, Farha ZAMAN and Bubul BHARALI – Variability of orographic architecture of Indo-Burmese Ranges (NE India): constraints from morphotectonic and lineament analysis, 1: 130–140

Mark G. ROWAN, Piotr KRZYWIEC, Krzysztof BUKOWSKI and Jerzy PRZYBYŁO – Nature and origin of large-scale and intrasalt deformation within the Wieliczka salt mine, Poland, 4: 819–837

Rana SHIRI, Fatemeh HADAVI and Fereshteh SAJADI HAZAVEH – Biostratigraphy and palaeoenvironmental interpretation of the Dalichai Formation (Lower Cretaceous) in the eastern and central Alborz Mountains (North Iran) based on calcareous nannofossils, 3: 641–657

Katarzyna SKOLASIŃSKA, Bogumił NOWAK and Katarzyna BRADTKE – A two-decade record of variations in suspended sediment in the Warta River, a lowland river in western Poland, 4: 1048–1060

Duje SMIRČIĆ, Dunja ALJINOVIC, Uroš BARUDŽIJA and Tea KOLAR-JURKOVŠEK – Middle Triassic syntectonic sedimentation and volcanic influence in the central part of the External Dinarides, Croatia (Velebit Mts.), 1: 220–239

Tatiana SOLOVEY – Flooded wetlands mapping from Sentinel-2 imagery with spectral water index: a case study of Kampinos National Park in central Poland, 3: 492–505

Anna SOWIĘDŻAŁ, Wojciech GÓRECKI and Marek HAJTO – Geological conditions of geothermal resource occurrences in Poland, 1: 185–196

Aung Myo THU, Adam PIESTRZYŃSKI and Krzysztof FOLTYN – Mineralogical and geochemical characteristics of the Cu-Ag mineralization from the Kyaukse Sabe Taung deposit, western margin of the Shan Plateau, Myanmar, 1: 16–28

A.J. (Tom) VAN LOON, Małgorzata PISARSKA-JAMROŻY and Barbara WORONKO – Sedimentological distinction in glaciogenic sediments between load casts induced by periglacial processes from those induced by seismic shocks, 3: 626–640

Zhaopeng WANG, Jiaye LIU, A.J. (Tom) VAN LOON, Decheng ZHU, Peng QIN and Zuozhen HAN – Slope failure on a Cambrian carbonate platform, mass-flow transitions and resulting complex deposit, 1: 3–15

Marek WIDERA – Slump folds within mid-Miocene crevasse-splay deposits: a unique example from the Tomisławice lignite opencast mine in central Poland, 3: 711–722

Janina WISZNIEWSKA, Zdzisław PETECKI, Ewa KRZEMIŃSKA, Anna GRABARCZYK and Daniel DEMAFFE – The Tajno ultramafic-alkaline-carbonatite massif, NE Poland: a review. Geophysics, petrology, geochronology and isotopic signature, 3: 402–421

Krzysztof Jan WÓJCICKI, Halina PAWELEC, Ireneusz MALIK, Beata WOSKOWICZ-ŚLEŻAK and Piotr MOSKA – Erosion and accumulation phases during the last glacial-interglacial cycle: a case study of the terrace system of the Odra and Osobłoga rivers (southern Poland), 1: 104–119

Lesław ZABUSKI and Gianluca MARCATO – Analysis of potential landslide processes in the Passo della Morte (Carnian Alps, Italy), 3: 681–691

Daniel ZASZEWSKI, Tomasz GRUSZCZYŃSKI and Jerzy J. MAŁECKI – Application of satellite data in the quantitative assessment of evapotranspiration in northeastern Poland, 3: 766–780

Karol ZGLINICKI and Krzysztof SZAMAŁEK – The Cyclops Mountains Massif (New Guinea, Indonesia) as the provenance area for metal-bearing shelf sediments from the Carolinian Sea, 3: 480–491

Magdalena ZIELIŃSKA, Monika FABIAŃSKA, Dariusz WIĘCŁAW and Magdalena MISZ-KENNAN – Comparative petrography and organic geochemistry of different types of organic matter occurring in the Outer Carpathians rocks, 1: 165–184

Andrzej ŹELAŃNIEWICZ and C. Mark FANNING – Neoarchean to Paleoproterozoic fragments in the Brunovistulia terrane, S Poland: a component of the Columbia Supercontinent?, 1: 120–129