

CONTENT

Nannofossil biostratigraphy of Paleogene sediments from the Handlová basin: a new evidence for age dating and significant reworking	13
<i>Silvia Antolíková, Júlia Kotulová, Ján Soták</i>	
The first record of a turbinellid gastropod from the Barremian of Bulgaria and its importance for the evolution of Neogastropoda	15
<i>Sophie Bakayeva, Andrzej Kaim</i>	
An enigmatic jaw fragment from the Late Carboniferous of Nýřany (Czech Republic)....	17
<i>Pavel Barták, Martin Ivanov, Vilém Neděla</i>	
Brachiopods from the Early Oligocene Lower Red Formation of Central Iran	18
<i>Maria Aleksandra Bitner, Ali Bahmari, Mehdi Yazdi, Kamil Zágoršek</i>	
New record of Middle Miocene (Badenian) brachiopods from Moravia, Czechia	20
<i>Maria Aleksandra Bitner, Šárka Hladilová, Stanislav Hrouzek</i>	
Forgotten unique locality of lower Miocene macromammals in Carpathian Foredeep Basin (Brno city – Nový Lískovec, Czech Republic).....	22
<i>Jakub Březina, Csaba Tóth, Tomáš Turek</i>	
Agglutinated foraminifera record across the Jurassic-Cretaceous boundary in carbonate turbidites of Carpathian Flysch	24
<i>Miroslav Bubík</i>	
Lamellar structured Jurassic laevaltychi (Kimmeridgian, Meseck Mountains, Hungary) as reliable paleotemperature archives	27
<i>László Bujtor, Attila Demény, Péter Németh, Bernadett Bajnóczi</i>	
Krkonoše Piedmont Basin (Bohemia, Czech Republic): a forgotten but still significant area in the study of early Permian tetrapod footprints.....	29
<i>Gabriela Calábková</i>	
Basal angiosperms - new leaf forms from the Peruc-Korycany Formation	30
<i>Jana Čepičková, Jiří Kvaček</i>	
Acritarch and chitinozoans clusters and their palaeobiological implication	31
<i>Oldřich Fatka, Joe Botting, Vojtěch Kovář, Lucy Muir, Václav Špillar, Jakub Vodička</i>	
Biostratigraphy and microfacies of the Urgonian- type limestones at selected sections in the Manín Unit (Strážovské vrchy Mts.)	33
<i>Kamil Fekete, Daniela Boorová, Andrea Svobodová</i>	
Lower Jurassic of the czech Outer Western Carpathians – an unique olistolith Lukoveček	35
<i>Jan Geist, Ján Schlögl, Robert Weis, Martin Košťák</i>	

The Plenus Cold Event in NW Bohemia (Bohemian Cretaceous Basin) preliminary results	37
<i>Jan Geist, Lucie Vaňková, Martin Košťák</i>	
Moravian paleontologist Ferdinand Stoliczka (1838–1874): life and work in India	39
<i>Zuzana Geistová, Bogusław Kołodziej</i>	
Late Cretaceous <i>Spirella ellipsoides</i> , seed or insect remains?	41
<i>Zuzana Heřmanová, Jiří Kvaček</i>	
Paleo-ecology and systematics of the coralline algae from the northern Vienna Basin, Slovakia	42
<i>Juraj Hrabovský, Silvia Antolíkova, Klement Fordinál, Juraj Šurka</i>	
Paleocene molluscan fauna from Carpathian deep-sea hydrocarbon seep deposit	43
<i>Krzysztof Hryniewicz, Yusuke Miyajima, Petr Skupien, Andrzej Kaim</i>	
Pistol shrimps (Decapoda: Alpheidae) in the fossil record: state of the art	44
<i>Matúš Hyžný</i>	
Palaeoclimatic signal captured in growth rings of fossil wood from the Albian to Danian of Antarctica	46
<i>Oleksandra Chernomorets, Jakub Sakala, Ludwig Luthardt</i>	
Stratigraphy of the sedimentary rocks accompanying submarine volcanism in the Silesian Unit	48
<i>Eliška Jurková, Petr Skupien</i>	
Gastropods in ancient hydrocarbon seeps and hydrothermal vents – history of the adaptation to extreme environments	49
<i>Andrzej Kaim</i>	
Preliminary notes on sessile barnacles from an Oligocene (Early Miocene) rocky shore deposit in the North Alpine Foreland Basin (Allerding, Austria)	50
<i>Tomáš Kočí, Martina Kočová Veselská, John Buckeridge, Wolfgang Danninger, Rok Gašparič and Radek Mikuláš</i>	
Brachyuran crab assemblage from the Late Cretaceous near-shore facies in the Bohemian Cretaceous Basin, Czech Republic.....	53
<i>Martina Kočová Veselská, Tomáš Kočí</i>	
Štramberk Limestone in the Kotouč quarry (Moravia): biostratigraphy, facies, reefs and drone-captured images	55
<i>Bogusław Kołodziej, Petr Skupien, Zuzana Geistová, Maciej Kania, Justyna Kowal-Kasprzyk, Mateusz Szczęch</i>	

Exceptionally preserved fossils in the Upper Turonian of the Bohemian Cretaceous Basin: a new Lagerstätte-type locality?	58
<i>Martin Košťák, Frank Wiese, Zuzana Kozlová, Adam Culka, Martin Mazuch, Martina Veselská-Kočová and Martin Souček</i>	
New data on organic-walled microfossils from the Cambrian of the Barrandian area	60
<i>Vojtěch Kovář, Oldřich Fatka, Jakub Vodička</i>	
Palaeoenvironmental preferences of early homolodromioid Middle Jurassic crabs	61
<i>Michał Krobicki</i>	
Taxonomic and biostratigraphic notes on some advanced Tournaisian (Mississippian) siphonodellids (Conodonta)	64
<i>Tomáš Kumpan, Andrey V. Zhuravlev, Artem Plotitsyn, Vojtěch Cígler</i>	
New data on the Neogene sponge fauna from the Atlanto-Mediterranean seaway	66
<i>Magdalena Łukowiak, Hugo Corbí, Gerardo Meiro, Beltran Peña</i>	
Rhizoliths from the Namurian Wałbrzych Formation in the Intra-Sudetic Basin (SW Poland)	68
<i>Adrianna Maćko, Jolanta Muszer, Antoni Muszer</i>	
Insights into the phylogenetic relationships of European ornithischian dinosaurs	71
<i>Daniel Madzia</i>	
Lorica ultrastructure of hyaline calpionellids from the Jurassic/Cretaceous boundary	72
<i>Jozef Michalík, Diana Žlvéczyová, Silviya Petrova</i>	
Jurassic Gastropods from Štramberg in the Collection of the Regional Museum in Nový Jičín	74
<i>Markéta Michalíková Čechová, Tomáš Lehotský</i>	
Paleoecological and paleobiological interpretations of the C and O stable isotope signatures of the fossil bones and carbonates from the Lower Permian Letovice Formation (Boskovice Basin, Czech Republic).....	76
<i>Marika Mikudíková, Rastislav Milovský, Pavel Uher, Mário Olšovský, Jozef Klembara, Ján Fajčák, Tomáš Viktorýn, Štefan Meszároš, Peter Agricola</i>	
Jurassic Flora and Palaeoecology of the Kamala Formation (Kansk-Achinsk coal basin), Central Siberia	78
<i>Anatolii Muraviev, Jiří Kvaček</i>	

Geochemical composition and ultrastructure of chitinoideid and calpionellid tests at high stratigraphic resolution in pelagic deposits across the Tithonian/Berriasian boundary	79
<i>Diana Ölteczká, Adam Tomašových</i>	
Early Cretaceous radiation of teleosts recorded by the otolith-based ichthyofauna from the Valanginian of Wąwał, central Poland	82
<i>Maciej Pindakiewicz, Krzysztof Hryniewicz, Andrzej Kaim</i>	
Eocene phymaraphiniid demosponges from Southwest Australia: filling the gap	84
<i>Andrzej Pisera, Maria Aleksandra Bitner, Jane Fromont</i>	
Computed tomography of small vertebrate fossils from Miedary (Middle Triassic, Poland)	85
<i>Joanna Puchalla</i>	
Tracing of greenhouse to icehouse transition in Eocene-Oligocene sequences of the Central-Carpathian Paleogene basin (Istebné section, Orava).....	87
<i>Ján Soták, Silvia Antolíková</i>	
Boundary events, biotic changes and environmental responses across Late Cretaceous to Paleocene pelagic sequence of the Žilina core section, Slovakia	89
<i>Ján Soták, Silvia Antolíková, Tiiu Elbra, Šimon Kdýr</i>	
Palaeoecological and palaeobathymetric evaluation of the Miocene ichthyofauna from the Ochoz-Skalka locality (Moravian Karst)	91
<i>Lucie Stejskalová, Martin Ivanov</i>	
Lower Telychian species of <i>Parapetalolithus</i> from <i>linnaei</i> , <i>turriculatus</i> and <i>crispus</i> biozones in the Prague Synform: taxonomy in the light of astogeny and intraspecific variability	92
<i>Zuzana Strossová</i>	
Terrestrial paleoenvironments during the deposition of the Peruc-Korycany Formation ...	94
<i>Marcela Svobodová, Jiří Kvaček, Veronika Veselá</i>	
Analysis of microstructures in trilobite exoskeletons (Prague Basin, Barrandian area): preliminary results	96
<i>Matěj Šilinger, Petr Budil, Oldřich Fatka, Vojtěch Kovář, Jakub Vodička</i>	
Trace fossils from shallow-water marine sediments from the locality Sandberg (Middle Miocene, Slovakia)	97
<i>Vladimír Šimo</i>	
Floristic changes in the faunal Enna and Barbara marine horizons in the Carboniferous of the Upper Silesian Basin	98
<i>Zbyněk Šimůnek</i>	

Biochronology and diversity of Miocene elephantimorphs (Proboscidea, Mammalia) in the Slovak part of the Western Carpathians	99
<i>Csaba Tóth, Jakub Březina, Klement Fordinál</i>	
Molluscs from new Lower Badenian localities in the Moravian part of the Carpathian Foredeep	101
<i>Tomáš Turek, Šárka Hladilová</i>	
Scientific object "Collection of fossils of plant and animal remains of the Paleontological Museum of the Ivan Franko National University of Lviv" assignet national treasure status	102
<i>Yaryna M. Tuzyak</i>	
An early land plant with circinately coiled fertile ends from the upper Silurian (Přídolí) of the Barrandian	103
<i>Monika Uhlířová, Josef Pšenička</i>	
New insights into the internal structure of <i>Pachythea</i> Hooker from the Silurian of the Barrandian area	105
<i>Monika Uhlířová, Zuzana Strossová, Vojtěch Kovář</i>	
The Plenius Cold event in lower and higher latitudes (Central Europe and Northern Siberia)	106
<i>Vaňková, Lucie, Košťák, Martin, Ippolitov, Alexey P., Rogov, Mikhail A., Zakharov, Viktor A., Milovský, Rastislav, Ackerman, Lukáš</i>	
Lower Cretaceous carbonate formations in the Štramberk area (Baška Development of the Silesian Nappe, Outer Western Carpathians, Czech Republic).....	108
<i>Zdeněk Vašíček, Daniela Boorová, Daniela Reháková, Petr Skupien</i>	
The Miocene Climatic Optimum at the interface of epicontinental sea and large continent: a case study from the Middle Miocene of the Eastern Paratethys	111
<i>Yuliia V. Vernyhorova, Katarína Holcová, Nela Doláková, Bettina Reichenbacher, Filip Scheiner, Lukáš Ackerman, Jan Rejšek, Lorenzo De Bortoli, Jakub Trubač, Torsten Utescher</i>	
Palynological investigation of Cenomanian locality Hloubětín-Hutě, Prague	113
<i>Veronika Veselá, Marcela Svobodová, Jiří Kvaček</i>	
The otoliths from the locality Štúrovo (Danube Basin, Slovakia)	114
<i>Barbara Zahradníková</i>	