

Inhalt

Vorwort.....	9
Depositional environment and reservoir characterization of Upper Safa in the Obaiyed Field, Western Desert, Egypt M. Abdel-Fattah, W. Dominik	11
Digital Outcrop Modeling of an inner carbonate ramp setting (High Atlas, Morocco) using LiDAR technology F. Amour, M. Mutti, N. Christ, A. Immenhauser, S. M. Agar, G. S. Benson, S. Tomás, L. Kabiri.....	12
Provenanzanalyse des ostmexikanischen paläogenen Chicantepec-Beckens A. Aretz, C. Augustsson	13
Provenance of mature sandstone: detrital quartz and zircon as source-rock indicators for Cambrian arenite in NW Argentina C. Augustsson, T. Rüsing, C.J. Adams, U. Zimmermann, H. Chmiel, M. Kocabayoglu, M. Büld, J. Berndt, E. Kooijman	14
Growth faulted sedimentary successions on seismics and satellite data S. Back.....	15
Die Verwendung hochauflöster Laserscannerdaten zur Ermittlung der Oberflächenrauhigkeit grobklastischer Sedimente H. Baewert, M. Bimböse, A. Nicolay, K.-H. Schmidt, D. Morche	16
The February 27, 2010 Chile Tsunami – First results of a sedimentological study of tsunami deposits H. Bahlburg, M. Spiske	17
The relationship between the syn-depositional features and the hydrocarbon potential in the Nile Delta, Egypt M. Barakat.....	18
Pleistocene fore-reef Facies of the Red Sea Coast, Sudan H. Basher, R. Bussert, W. Dominik	19
Facies succession of the Lower Buntsandstein in the Gorzów Wielkopolski IG 1 borehole, Western Poland A. Becker	20
Can XRF scanner data be applied as grain-size proxy? - Clues from north-eastern Siberian arctic lake sediments B. Biskaborn, C. Funk, U. Herzschuh, D. Bolshiyanov, P. Vakhrameeva, B. Diekmann	21
Environmental change in the Early Permian of Svalbard: From a warm-water carbonate platform (Gipshuk Formation) to a temperate, mixed siliciclastic-carbonate ramp (Kapp Starostin Formation) D. Blomeier, H. Forke, R. Groen, C. Scheibner	22
Geometry of Upper Jurassic sponge/microbialbioherms: 3D Georadar analysis and modelling (Swabian Alb, SW-Germany) M. Boldt, T. Aigner	23
Sequence stratigraphy of the Aptian carbonate systems of the Morella sub-basin (Maestricht Basin; E Iberia) T. Bover-Arnal, R. Salas, J. Guimerà, J. A. Moreno-Bedmar	24
NIR-spektroskopische Untersuchung von Sandsteinen zum Nachweis (hydro)thermaler Ereignisse im stratigraphischen und regionalgeologischen Kontext J. Bowitz, A. Ehling	26
Stable isotope and trace element proxy data from aragonite cements of stressed reef environments (early Messinian, Mediterranean Region) T.C. Brachert, F.R. Bosellini, M. Reuter, R. Mertz-Kraus, A. Vescogn	27

Architecture of an oolitic shoal system in the Oxfordian of N-Germany (Korallenoolith Fm., Lower Saxony)	
S. Cäsar, C. Betzler	28
Geological bodies of the Maiella platform (Italy): a 3D point of view	
M. Di Lucia, M. Mutti, R. Boehm.....	29
Provenance Analysis of Paleogene-age Alluvial Conglomerates of the northern part of the Mesta Basin, SW Bulgaria	
A. Ebinghaus, T. McCann, A. Temme	30
Sediment analyses at Voytenki archaeological site, Ukraine by x-ray fluorescence (XRF) and moment statistics	
R. Faflak.....	31
Deltaic growth faults and associated growth strata in the western Niger Delta, Nigeria	
H. Fazlkhani, S. Back	32
Characteristic ultrasonic patterns across the Early Triassic Hardegsen unconformity in southern and central Germany	
C. Filomena, H. Stollhofen	33
Quantitative constraints to diagenetic adsorption reactions	
C. Fischer, G. K. Darbha, A. Michler, T. Schäfer, A. Lüttge, H. Von Eynatten	34
A new method in cyclostratigraphy. TLS imaging of the lower Cretaceous Contessa quarry section (central Italy)	
M. Franceschi, N. Preto, L. A. Hinnov, G. Rusciadelli, J. Dal Corso, S. Sorgato	35
Subsurface characterization of sedimentological structures at the Illgraben fan (Alps, Switzerland) with groundpenetrating radar investigation	
D. Franke, J. Hornung, F. Schlunegger, M. Hinderer	36
Carbon isotope stratigraphy and biostratigraphy of Upper Sarvak Cenomanian-Turonian shallow water carbonates in Iran (Chenreh Gorge-Lurestan area)	
G. Frijia , J. C. Embry, I. R. Sharp, M. Lechler.....	37
Thermal properties of Cenozoic and Mesozoic sedimentary rock formations in the Northeast German Basin	
S. Fuchs, A. Förster	39
Microfacies of mappable Archean biomats, Moodies Group, Barberton Greenstone Belt, South Africa	
A. Gamper, C. Heubeck, F. Ohnemüller	40
How far can zircons travel? – Provenance and morphology studies of zircons from the Elbe River	
A. Gärtner, A. Sagawe, M. Hofmann, A. Kleber, B. Ullrich, U. Linnemann	41
Jurassic tectonostratigraphy of the Austroalpine	
H.-J. Gawlick, S. Missoni, F. Schlagintweit, H. Suzuki, W. Frisch, L. Krystyn, J. Blau, R. Lein.....	42
Jurassic mélanges in the Dinaridic Ophiolite Belt in SW Serbia	
H.-J. Gawlick, M. Sudar, S. Missoni, H. Suzuki, D. Jovanovic, R. Lein	43
Non-skeletal carbonate grains in Bora Bora, Darwin's type barrier reef (Society Islands, S Pacific): the oolite problem reconsidered	
E. Gischler	44
Sandstone lenses in Tertiary sands of the Wetterau basin – an example of meteoric quartz cementation	
T. Götte, S. Neuhaus, P. Prinz-Grimm	45
From a restricted carbonate platform to a temperate, storm-dominated ramp: The onset of the Permian Chert Event in central Spitsbergen	
R.D. Groen, D. Blomeier, J.J.G. Reijmer	46
The Ediacaran-Cambrian ecosphere revolution: Insights from Chinese microcontinents	
C. Heubeck, DFG Forschergruppe 736	47

Hydrothermale Kaolinit-und Dickitbildung in Sandsteinen durch Umwandlung detritischer Feldspäte (Südhessen, Rotliegend)	48
J. Hofmann, A. Ehling, G. Kowalczyk, C. Heubeck	
Petrographic and mineralogical characterization of Middle Jurassic thrombolites (High Atlas, Morocco)	49
M. Homann, S. Tomás, F. Amour, M. Zitzmann, M. Mutti, N. Christ, A. Immenhauser.....	
Shallow-marine impact of early Eocene carbon cycle perturbations – a case study from the southern Tethys (Eastern Desert, Egypt)	50
S. Höntzsch, C. Scheibner, J. Kuss, A.M. Marzouk, M. Rasser	
From Outcrop to Subsurface: An Analogue Study of a Terminal Alluvial Plain (Upper Triassic, Keuper, SW-Germany)	51
J. Hornung, L. Reinhardt	
Palaeoecology and sea-level changes recorded in a carbonate ramp-platform setting (Priabonian, Calcare di Nago section, Northern Italy)	52
D. Jaramillo-Vogel, A. Strasser	
Konglomerate im Liegenden des Kupferschiefers aus dem Raum Spremberg-Graustein – Weißliegendes, Grauliegendes oder Rotliegendes?	53
L. Iaschke	
Fossile Thrombolite des Altiplano: Salar Aguas Calientes, Nordchile	54
T. Jonas, C. Heubeck, B. Weber, H. Wilke.....	
Incipient basin inversion of the Middle Archean Moodies Basin, Barberton Supergroup, Barberton Greenstone Belt, South Africa	55
J. Kirstein, C. Heubeck	
Microfacies analysis and palaeoenvironmental evolution of latest Jurassic biogenic carbonates in the Molinos area (Tithonian, NE Spain)	56
A. Klicpera, J. H. Nebelsick.....	
High-resolution integrated stratigraphy and 3D modelling of the Zechstein in the Spremberg structure, East Germany	57
M. Krause, M. Mutti, M. Szurlies	
U-Pb detrital zircon ages of Rhine river Middle Terrace sands between Freiburg and Cologne – An actualistic test of provenance interpretations applied to ancient deposits	58
A. Krippner, H. Bahlburg	
Early Cretaceous ammonites below the Rossfeld Formation (Northern Calcareous Alps, Salzburg, Austria)	59
O. Krische, L. Bujtor, G. Csaszar, H.-J. Gawlick	
Berriasian turbidites in the central Northern Calcareous Alps (Salzburg, Austria): palaeogeography and hinterland reconstructions	60
O. Krische, H.-J. Gawlick	
Tonminerale in feinklastischen Gesteinen im Übergang Trias-Jura: Bohrung Schandelah bei Braunschweig (Niedersächsisches Becken)	61
L. Lyachenko, R. Petschick, B. van de Schootbrugge, W. Oschmann, J. Pross.....	
Digital Image Analysis (DIA): a new approach of porosity quantification for reservoir characterization studies	62
S. Maerz, G. Frijia, M. Mutti	
Deep sounding of the Neogene Philippi basin in northeastern Greece by magnetotelluric (MT) and magnetic methods to study the basement structure	63
I. Maith, M. Gurk, N. Tougiannidis, N. Gawel, A. Stampolidis, M. Melles, M.E. Weber	
Cyclicity in the Middle Triassic shallow-water carbonates – an example from the Muschelkalk of Upper Silesia	64
M. Matysik	

Pleistocene relics and highly mobile bedforms in the coastal North Sea west of Sylt, Amrum, and Rømø (Germany, Denmark)	
F. Mielck, H.C. Hass.....	65
New researches about the age of the Oceanic Anoxic Event 1a in Spain by means of ammonites	
J.A. Moreno-Bedmar, M. Company, T. Gaona-Narvaez, T. Bover-Arnal, M. Najarro, R. Salas, G. Delanoy, R. Martínez, A. Grauges, F.J.-M.R. Maurrasse, I. Rosales, J. Sandoval, J.M. Tavera	66
New age constraints on Paleogene/Neogene clastics at the northern termination of the Upper Rhine Graben (Germany)	
S. Neuhaus.....	68
From Basin to Prospect – An integrated multi-scale Basin and Petroleum Systems Modeling case study	
M. Neumaier, N. Tessen.....	69
A basin on an unstable ground: Correlation of the Middle Archaean Moodies Basin, Barberton Greenstone Belt, South Africa	
F. Ohnemueller, C. Heubeck, J. Kirstein, A. Gamper.....	70
The effect of cementation and compaction in porosity, Bajocian-Bathonian sandstones, northeast Iran	
M. R. Pouroltani	71
Hypogenic karsting of carbonates results in solution pits in discontinuity surfaces that mimick meteoric karsting	
N. Rameil, A. Immenhauser	72
Provenance of Cretaceous-Paleogene-boundary sandstones from northeastern Mexico	
S. Rehrmann, C. Augustsson, P. Schulte	73
The sedimentary record of rift evolution in the southern Albert Rift (Uganda)	
S. Roller, J. Hornung, M. Hinderer.....	74
300 million years of crustal recycling: the NW Argentine and N Chilean west Gondwana margin	
T. Rüsing, C. Augustsson, E. Kooijman, J. Berndt, A. Gerdes, H. Bahlburg, U. Zimmermann.....	75
Lithocodium aggregatum Elliott 1956 and Bacinella irregularis Radoičić 1959: ulvophycean green algae (?Order Ulotrichales) from the Lower Cretaceous of the western Maestrat Basin, Spain	
F. Schlagintweit, T. Bover-Arnal, R. Salas.....	76
“Palm-frond“ carbonates at marine hot springs	
A. Schmidt, C. Heubeck	78
Die Geschichte des sibirischen Permafrostes abgeleitet aus Sedimenteigenschaften im 3,6 mio Jahre alten El'gygytgyn-Impaktkrater, Zentral-Tschukotka, NO-Russland	
G. Schwamborn, H. Meyer, N. Ostanin, G. B. Fedorov, L. Schirrmeister, H. W. Huberten	79
Dust Input to the Scotia Sea – Chronostratigraphic Implications	
D. Sprenk, M.E. Weber, G. Kuhn	80
Statistics in sedimentary research of turbiditic formations – case study from the Magura Zone of the Outer Western Carpathians	
S. Staňová	81
Thermal maturity of lower Cretaceous to lower Triassic sediments at deep geothermal well site Gross Buchholz GT-1 (Hannover, Germany) - Organic geochemical and petrographic data	
E. Stiller, G. Berner, J. Kus, T. Pletsch, G. Scheeder, B. Cramer	82
Paleoenvironmental dynamics of Western Beringia - New studies from the Yedoma key site Duvanny Yar (Lower Kolyma River, Siberia)	
J. Strauss, L. Schirrmeister, S. Wetterich	83
Radarstratigraphie und Radarfazies zweier Nehrungshaken: Untersuchungen des oberflächennahen Untergrundes von Nord-Amrum und Süd-Sylt durch den Einsatz des Ground Penetrating Radar (GPR)	
T. Tillmann, W. Wunderlich	84

Palaeoecology and sedimentology of microbial mounds from the Middle Jurassic of the High Atlas (Morocco)	
S. Tomás, M. Homann, F. Amour, M. Zitzmann, M. Mutti, N. Christ, A. Immenhauser.....	85
Das Ablagerungssystem des kontinentalen Ili-Beckens (Neogen, Kasachstan)	
T. Voigt, J. Kley, M. Kober, N. Seib	86
The Palaeogene of Schöningen (N-Germany) - A key archive of marine/terrestrial interaction	
V. Wilde, W. Riegel, O. W. Lenz	87
Origin and age of speleothems from Dreveník travertine buildup (Northern Slovakia)	
W. Wróblewski, M. Gradziński, H. Hercman	88