



## Current Literature Survey



### Mineralogy

**Connoisseur's Choice: Pezzottaite, Sakavalana Mine, Ambatovita, Mandrosonoro Commune, Ambatofinandrahana District, Fianarantsoa Province, Madagascar**

Mauthner M., *Rocks and Minerals*, 2017, 92/2 (138–143).

**Sulfur isotope signatures in the lower crust: A SIMS study on S-rich scapolite of granulites**

Hammerli J., Kemp A.I.S., Barrett N., Wing B.A., Roberts M., Arculus R.J., Boivin P., Nade P.M. & Rankenburg K., *Chemical Geology*, 2017, 454 (54–66).

### Geochemistry

**Dakhla-Kharga iron-rich paleosols, Western Desert, Egypt: geology, geochemistry, and mineralization**

El-Desoky H., Khalil A., Farouk S. & Fahmy W., *Arabian Journal of Geosciences*, 2017, 10/4.

**Hydrochemical effects of saltwater intrusion in a limestone and dolomitic limestone aquifer in Lebanon**

Khadra W.M., Stuyfzand P.J. & van Breukelen B.M., *Applied Geochemistry*, 2017, 79 (36–51).

**Hydrochemical characteristics of groundwater and surface water for domestic and irrigation purposes in Veia catchment, Northern Ghana**

Koffi K.V., Obuobie E., Banning A. & Wohnlich S., *Environmental Earth Sciences*, 2017, 76/4.

**The use of stablewater isotopes as tracers in Soil Aquifer Treatment (SAT) and in regional water systems**

Negev I., Guttman J. & Kloppmann W., *Water (Switzerland)*, 2017, 9/2.

**Provenance and weathering history of the maastrichtian shale member of the Patti Formation, southern Bida Basin, Nigeria**

Ojo O.J., Babatunde F.R., Adepoju S.A., Akande S.O. & Momoh A., *Journal of the Geological Society of India*, 2016, 88/4 (471–480).

**GIS-based FRATIC model for pollution vulnerability assessment of fractured-rock aquifer systems**

Hamza S.M., Ahsan A., Imteaz M.A., Ghazali A.H. & Mohammed T.A., *Environmental Earth Sciences*, 2017, 76/5.

**Single-well chemical-tracer modelling of low-salinity-water injection in carbonates**

Al-Shalabi E.W., Luo H., Delshad M. & Sepehrnoori K., *SPE Reservoir Evaluation and Engineering*, 2017, 20/1 (118–133).

**Light rare-earth element mineralization in hydrothermal veins related to the Jbel Boho alkaline igneous complex, Anti-Atlas/Morocco: The role of fluid-carbonate interactions in the deposition of synchysite-(Ce)**

Benaouda R., Devey C.W., Badra L. & Ennaciri A., *Journal of*

*Geochemical Exploration*, 2017, 177 (28–44).

**Fault-controlled dolomitization in a rift basin**

Hollis C., Bastesen E., Boyce A., Corlett H., Gawthorpe R., Hirani J., Rotevatn A. & Whitaker F., *Geology*, 2017, 45/3 (219–222).

**Lipid biomarker evidence for determining the origin and distribution of organic matter in surface sediments of Lake Taihu, Eastern China**

Zhang Y., Su Y., Liu Z., Yu J. & Jin M., *Ecological Indicators*, 2017, 77 (397–408).

**Characteristics and quality of reservoir sediments, Mujib Dam, Central Jordan, as a case study**

El-Radaideh N., Al-Taani A.A. & Al Khateeb W.M., *Environmental Monitoring and Assessment*, 2017, 189/4.

**Restitic or not? Insights from trace element content and crystal — Structure of spinels in African mantle xenoliths**

Lenaz D., Boumehdi M.A., Bensaid I.A.A., Youbi N., Musco M.E., Petrelli M., Caldeira R., De Min A., Marzoli A., Mata J., Perugini D. & Princivalle F., *Lithos*, 2017, 278–281 (464–476).

### Geochronology

**Proterozoic to Mesozoic evolution of North-West Africa and Peri-Gondwana microplates: Detrital zircon ages from Morocco and Canada**

Marzoli A., Wotzlaw J.-F., McHone G., Font E., Bensalah M.K., Davies J.H.F.L., Youbi N., Merle R., Dal Corso J., Dunkley D.J., Fioretti A.M., Bellieni G. & Medina F., *Lithos*, 2017, 278–281 (229–239).

**Chronological constraints on the Paleoproterozoic Francevillian Group in Gabon**

Sawaki Y., Edou-Minko A., Moussavou M., Sato T., Suzuki K., Ligna C., Asanuma H., Sakata S., Obayashi H. & Hirata T., *Geoscience Frontiers*, 2017, 8/2 (397–407).

**Laser ablation inductively coupled plasma mass spectrometry U-Pb dating of detrital and magmatic zircons of glacial diamictites and pebbles in late ordovician sediments of the taurides and Southeast Anatolian Autochthon Belt, Turkey: Indications for their Arabian-Nubian provenance**

Gursu S., Moller A., Usta D., Koksall S., Ates S., Sunkari E.D. & Cemal Goncuoglu M., *Journal of Geology*, 2017, 125/2 (165–202).

### Igneous and metamorphic geology

**Pan-African accretionary metamorphism in the Sperrgebiet Domain, Gariep Belt, SW Namibia**

Diener J.F.A., Thomas R.J. & Macey P.H., *Precambrian Research*, 2017, 292 (152–162).

**Structural Architecture of the Hydrothermal System from Geophysical Data in Hammam Bouhadjar Area (Northwest of Algeria)**

Bouyahiaoui B., Abtout A., Hamai L., Boukerbout H., Djellit H., Bougchiche S.S., Bendali M. & Bouabdallah H., *Pure and Applied Geophysics*, 2017, 174/3 (1471–1488).

**Gravity and magnetic modelling of layered mafic-ultramafic intrusions in large igneous province plume centre regions: Case studies from the 1.27 Ga Mackenzie, 1.38 Ga Kunene- Kibaran, 0.06 Ga Deccan, and 0.13–0.08 Ga high arctic events**

Blanchard J.A., Ernst R.E. & Samson C., *Canadian Journal of Earth Sciences*, 2017, 54/3 (290–310).

**New constraints on the age and conditions of LPHT metamorphism in the southwestern Central Zone of the Damara Belt, Namibia and implications for tectonic setting**

Longridge L., Gibson R.L., Kinnaird J.A. & Armstrong R.A., *Lithos*, 2017, 278–281 (361–382).

**Origin and evolution of the #1.9 Ga Richtersveld Magmatic Arc, SW Africa**

Macey P.H., Shifotoka G., Frei D., Diener J.F.A., Kisters A.F.M., Dhansay T., Smith H., Doggart S., Le Roux P., Hartnady M.I., Tinguely C., Thomas R.J., Minnaar H.M., Gresse P.G., Lambert C. W., Groenewald C.A., Miller J.A., Indongo J. & Angombe M., *Precambrian Research*, 2017, 292 (417–451).

## Sedimentary geology

**Facies architecture of submarine channel deposits on the western Niger Delta slope: Implications for grain-size and density stratification in turbidity currents**

Jobe Z., Sylvester Z., Pittaluga M.B., Frascati A., Pirmez C., Minisini D., Howes N. & Cantelli A., *Journal of Geophysical Research: Earth Surface*, 2017, 122/2 (473–491).

**The flowing out effects of tributary upon Lere's lakes dynamics: (Chad/West Mayo-Kebbi)**

Passinring K., *Geo-Eco-Trop*, 2016, 40/3 (191–200).

**Provenance and paleoenvironment of organic matter within the Fika sediments in Chad (Bornu) Basin, northeastern Nigeria: An integrated organic geochemical and palynofacies approach**

Adegoke A.K., Abdullah W.H. & Sarki Yandoka B.M., *International Journal of Coal Geology*, 2017, 173 (94–109).

## Stratigraphy

**The Calabrian in the Western Transcaucasian basin (Georgia): Paleomagnetic constraints from the Gurian regional stage**

Kirscher U., Oms O., Bruch A.A., Shatilova I., Chochishvili G. & Bachtadse V., *Quaternary Science Reviews*, 2017, 160 (96–107).

**Stratigraphic succession (Albian to lower? Cenomanian) and upper Albian ammonites and biozones from the Talerhza Basin (South Riffian Ridges, northern Morocco)**

enzagagh M., Latil J.-L., Oumhamed M. & Ferre B., *Cretaceous Research*, 2017, 73 (71–90).

**An evaporite-based high-resolution sulfur isotope record of Late Permian and Triassic seawater sulfate**

Bernasconi S.M., Meier I., Wohlwend S., Brack P., Hochuli P.A., Blasi H., Wortmann U.G. & Ramseier K., *Geochimica et Cosmochimica Acta*, 2017, 204 (331–349).

## The quaternary

**Copper for the Pharaoh: Identifying multiple metal sources for Ramesses' workshops from bronze and crucible remains**

Rademakers F.W., Rehren T. & Pernicka E., *Journal of Archaeological Science*, 2017, 80 (50–73).

**AMS radiocarbon dating of pollen concentrates in a karstic lake system**

Fletcher W.J., Zielhofer C., Mischke S., Bryant C., Xu X. & Fink

D., *Quaternary Geochronology*, 2017, 39 (112–123).

**Stalagmite multi-proxy evidence of wet and dry intervals in northeastern Namibia: Linkage to latitudinal shifts of the Inter-Tropical Convergence Zone and changing solar activity from AD1400–1950**

Voarintsoa N.R.G., Brook G.A., Liang F., Marais E., Hardt B., Cheng H., Edwards R.L. & Railsback L.B., *Holocene*, 2017, 27/3 (384–396).

## Palaeontology

**Turonian cephalopods (ammonoids and a nautiloid) from the Wadi Daya Formation of the Talerzha Basin (South Riffian Ridges Domain, northern Morocco)**

Benzagagh M., Oumhamed M., Ferre B. & Latil J.-L., *Cretaceous Research*, 2017, 74 (109–119).

**Paucispecific macroinvertebrate communities in the Upper Cretaceous of El Hassana Dome (Abu Roash, Egypt): Environmental controls vs adaptive strategies**

Abdelhady A.A. & Mohamed R.S.A., *Cretaceous Research*, 2017, 74 (120–136).

**Biogeographic implications of mammea paramericana sp. Nov. from the lower miocene of Panama and the evolution of calophyllaceae**

Nelson C.W. & Jud N.A., *International Journal of Plant Sciences*, 2017, 178/3 (241–257).

**Flexible and responsive growth strategy of the ediacaran skeletal cloudina from the Nama group, Namibia**

Wood R., Curtis A., Penny A., Zhuravlev A.Y., Curtis-Walcott S., Lipinge S. & Bowyer F., *Geology*, 2017, 45/3 (259–262).

**First Fossil Record of Hypnodontopsis (Bryopsida: Rhachitheciaceae) from the Americas**

Estrada-Ruiz E. & Riquelme F., *Ameghiniana*, 2017, 54/1 (124–131).

**New data on the osteoglossid fishes (Teleostei, Osteoglossiformes) from the marine Daman (Paleocene) of Landana (Cabinda Enclave, Angola)**

Taverne L., *Geo-Eco-Trop*, 2016, 40/4 (297–304).

## Structural geology and tectonics

**Reappraisal of gravity instability conditions for offshore wedges: Consequences for fluid overpressures in the Niger Delta**

Yuan X.P., Leroy Y.M. & Maillot B., *Geophysical Journal International*, 2017, 208/3 (1655–1671).

**Control of compressional transfer zones on syntectonic and posttectonic sedimentation: Implications for hydrocarbon exploration**

Moustafa A.R. & Khalil S.M., *Journal of the Geological Society*, 2017, 174/2 (336–352).

## Geophysics

**Mapping geology in Djelfa District (Saharan Atlas, Algeria), using Landsat 7 ETM+ data: an alternative method to discern lithology and structural elements**

Amri K., Rabai G., Benbakhti I.M. & Khennouche M.N., *Arabian Journal of Geosciences*, 2017, 10/4.

**Evaluation and mapping of Dead Sea coastal aquifers salinity using Transient Electromagnetic (TEM) resistivity measurements**

Ezersky M.G. & Frumkin A., *Comptes Rendus - Geoscience*, 2017, 349/1 (1–11).

**Resistivity imaging of geothermal resources in northern Kenya rift by joint 1D inversion of MT and TEM data**

Lichoro C.M., Arnason K. & Cumming W., *Geothermics*, 2017, 68

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