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ENERGIE

1. LI Q., CHEN L., XIAO Y. Energy characterization based assessment of pillar recovery. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 367-12 p.

Keywords: Pillar recovery; In situ stress; Storage energy; Consumption energy; Numerical simulation.

2. OKOCHA F.O., ATAKPO E. Effect of hydrocarbon production on reflection amplitude properties of reservoirs – a case study of Kov Field, Niger Delta, Nigeria. *Arabian Journal of Geosciences*; vol. 10, n° 17, 2017, 380-10 p.

Keywords: Secondary recovery; Oil-water contact; AG-I, AG-II; Amplitude impedance; Kov Field; Agbada formation; Nigeria.

GEOLOGIE STRUCTURALE

3. AMARA M., HAMOUDI M., DJEMAÏ S. New insight of the geological structures and tectonic framework of Ahnet and northwestern part of Tin Zaouatine terranes (western Hoggar, Algeria) constraints from aeromagnetic, gamma ray, and remote sensing data. *Arabian Journal of Geosciences*; vol. 10, n° 18, 2017, 396-20 p.

Keywords: Remote sensing; Airborne geophysics; Tuareg shield; Hoggar; Algeria; Pan-African orogeny.

4. CANEROT J. Origine de la chaîne des Pyrénées : collision entre les plaques ibérique et européenne ou inversion d'un ancien rift intracontinental avorté ? *Bull. Soc. Hist. Nat. Toulouse* ; t. 153, 2017, p. 95-110.

Mots-clés: Sillon flysch; Marges passives; Transtension; Transpression; Pyrénées; Europe; Ibérie.

5. CHACHA A., ZELLOUF KH., BELFAR F. Etude du comportement du matériel triasique lors de la structuration de l'extrémité orientale de l'Atlas Saharien en Algérie : impact sur le prospect pétrolier. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 139-156.

Mots-clés: Diapirisme; Resédimentation; Evaporites; Structure; Prospect pétrolier; Atlas Saharien Oriental; Algérie.

6. DAS S., PARDESHI S.D., KULKARNI P.P. Extraction of lineaments from different azimuth angles using geospatial techniques: a case study of Pravara Basin, Maharashtra, India. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 160-13 p.

Keywords: Lineaments; GIS; Cartosat DEM; Pravara Basin; Western Ghat; Maharashtra; India.

7. FAURE M., LI X-H., LIN W. The northwest-directed « Bretonian phase » in the French Variscan Belt (Massif Central and Massif Armoricain): a consequence of the Early Carboniferous. Gondwana-Laurussia collision. *C. R. Acad. Geoscience* ; vol. 349, n° 3, 2017, p. 126-136.

Keywords : Variscan Belt; Bretonian phase; Armorican Massif; French Massif Central.

8. HINTERSBERGER E., IGLSEDER CH., SCHUSTER R. The new database « tectonic boundaries » at the Geological Survey of Austria. *Jahrbuch der Geologischen Bundesanstalt*; vol. 157, n° 1-4, 2017, p. 195-207.

Keywords : Fault database structure ; Hierarchical classification ; Nomenclature ; Nappe boundary; Fault system; Austria.

9. KHOUNI R., ARFAOUI M.S., DRIDI S. Polyphasic evolution of the Jeffara Basin in southern Tunisia, influence of halokinesis on the passive margin structuration in the Mesozoic and the Cenozoic. *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 68-22 p.

Keywords: Seismic data; Geodynamics; Subsidence; Halokinesis; Jeffara; Tunisia.

10. KORNPROBST J. Boris Choubert : the forgotten fit of the circum-Atlantic continents. *C. R. Acad. Geoscience*; vol. 349, n° 1, 2017, p. 42-48.

Keywords : Plate tectonics ; Continental drift; Wegener; Bullard.

11. LEPRÊTRE R., FRIZON DE LAMOTTE D., COMBIER V. The Tell-Rif orogenic system (Morocco, Algeria, Tunisia) and the structural heritage of the southern Tethys margin. *Bull. Soc. Géol. France – Earth Sciences Bulletin*; t. 189, n° 2, 2018, 10-35 p.

Keywords : Coupling vs decoupling ; Frontal accretion vs tectonic underplating; Tell-Rif orogenic system (Algeria, Morocco, Tunisia); Tethys; West Mediterranean.

12. MICHARD A. Saghro Group in the Ougnat Massif (Morocco), an evidence for a continuous Cadomian Basin along the northern West African Craton. *C. R. Acad. Geoscience*; vol. 349, n° 2, 2017, p. 81-90.

Keywords : Cadomian ; Anti-Atlas; Ougarta; Hoggar; Algeria; Pan-African.

13. NEFZI A., DHAOUI M., GABTNI H. Preliminary structural configuration of the Goubellat Upper Cretaceous carbonate aquifers using gravity method (Northwestern Tunisia). *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 256-15 p.

Keywords: Gravity; Upward continuation; Euler; Carbonate aquifers; Structural; Regional; Residual; Bouguer; Goubellat; Tunisia

14. PELECH O., JOZSA S., FAJDEK P. Fold deformation of the Fatricum – a case study from the Banka section (Povazsky Inovec Mts., Slovakia). *Mineralia Slovaca*; vol. 50, n° 1, 2018, p. 25-36.

Keywords: Kinematics; Thin-skinned tectonics; Folding; Back-thrusting; Fatricum; Zliechov sub-unit; Slovakia.

15. ROZYCKA M., MIGON P. Tectonic geomorphology of the Sudetes mountains (central Europe) – a review and re-appraisal. *Annales Societatis Geologorum Poloniae*; vol. 87, n° 4, 2017, p. 275-300.

Keywords: Morphotectonics; Tectonic activity; Fluvial system; Morphometric indices; Mountain front; Sudetes; Poloniae.

16. TAKORABT M., TOUBAL A.CH., HADDOUM H. Determining the role of lineaments in underground hydrodynamics using landsat 7 ETM+ data, case of the Chott El Gharbi Basin (Western Algeria). *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 76-19 p.

Keywords: Landsat 7 ETM+; Lineaments; Geophysical methods; Groundwater flow; Chott El Gharbi; Algeria.

17. TCHAPCHET D.T., WAMBO N.A.S., KOUAMO N.A.K. Geology, mineralogy and geochemistry of the Kekem dyke swarm (Western Cameroon): insights into Paleozoic-Mesozoic magmatism and geodynamic implications. *C. R. Acad. Geoscience*; vol. 349, n° 4, 2017, p. 175-185.

Keywords : Dyke swarm; Tholeiitic/transitional basalts; Spinel mantle source; Rifting; Basement control; Western Cameroon; Western Gondwana.

STRATIGRAPHIE

18. ABIDI O., INOUBLI M.H., SEBEI K. Integrated stratigraphic modeling of the Cap Bon province during the Maastrichtian-Paleocene interval, Tunisia. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 167-21 p.

Keywords: Maastrichtian; Paleocene; Seismic stratigraphy; Geological modeling; Gulf of Hammamet; Cap Bon; Tunisia.

19. ALMALKI KHA., MAHMUD SA., HASHEM HI. The Red Sea depositional architecture: insights from 3D modeling. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 277-16 p.

Keywords: 3D model; Stratigraphy; Lithology; Paleogeography; Paleoenvironment; Red Sea.

20. AMRI A., BEN FADHEL M., CHERMITI A. Biostratigraphy of Upper Cretaceous through Paleocene successions in Grombalia, Tunisia (southern Tethyan domain) – reworking processes and interpretations. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 253-11 p.

Keywords: Late Paleocene; Reworked deposits; Planktonic foraminifera; Syntectonic redeposition; Grombalia; Tunisia.

21. BITTMANN F., BÖRNER A., DOPPLER G. The Quaternary in the stratigraphic table of Germany 2016. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*; vol. 169, n° 2, 2018, p. 295-306.

Keywords: Lithostratigraphy; Chronostratigraphy; Biostratigraphy; Quaternary; Pleistocene; Holocene; Germany.

22. BORDY E.M., SPELMAN S., COLE D.I. Lithostratigraphy of the Pietermaritzburg formation (Ecca Group, Karoo supergroup), South Africa. *South African Journal of Geology* ; vol. 120, n° 2, 2017, p. 293-302.

Keywords: Lithology; Genesis; Boundaries; Correlation; Lithostratigraphy; Ecca Group, Karoo supergroup; South Africa.

23. CHOUABBI A., CHABBI A., CHERMITI A. Présence d'un Paléocène marneux marin appartenant à la série-type de Sellaoua au Nord de Souk-Ahras: implications paléogéographiques sur les Maghrébides en Algérie orientale. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 107-113.

Mots-clés: Marnes marines; Foraminifères; Paléocène; Maghrébides; Séries Sellaoua; Souk Ahras; Algérie.

24. DAHOUMANE A., NEDJARI A., AÏT OUALI R. De l'Hercynien à l'Alpin dans le massif du Chenoua: chronologie des événements. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 115-127.

Mots-clés: Hercynien; Alpin; Permien; Trias; Chenoua; Algérie du Nord.

25. EL-YOUNSY A.R.M., OBAIDALLA N.A., PHILOBBOS E.R. High-resolution sequence stratigraphy of the Upper Cretaceous-Lower Paleogene succession, Gabal Qreiya area, Upper Egypt. *Arabian Journal of Geosciences*; vol. 10, n° 24, 2017, 531-19 p.

Keywords: Sequence stratigraphy; Systems tracts; Facies analysis; Depositional environments; Paleobathymetry; Gabal Qreiya area; Egypt.

26. FERHAT M., AÏT OUALI R. New data on the Lower Mesozoic basal series of the Traras mounts (Tlemcen, northwestern Algeria). *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 338-21 p.

Keywords: Red series; Upper Triassic; Alluvial fan; Lacustrine deposits; Volcanic evidences; Half-grabens; Tlemcen; Algeria.

27. FRANZ M., BACHMANN G.H., BARNASCH J. The Keuper Group in the Stratigraphic Table of Germany 2016-continuous sedimentation in the North German Basin (variant B). *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*; vol. 169, n° 2, 2018, p. 203-224.

Keywords: Carnian; Lacián; Norian; Rhaetian; Continuous sedimentation; Unconformities; North German Basin; Central European Basin.

28. GEBHARDT U., LÜTZNER H., EHLING B.-C. Comments on thre stratigraphical table of Germany 2016 – Rotliegend version B. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*; vol. 169, n° 2, 2018, p. 129-137.

Keywords: Biostratigraphy; Lithostratigraphy; Regional sections; Rotliegend; Germany.

29. HARZHAUSER M., THEOBALT D., STRAUSS PH. Miocene biostratigraphy and paleoecology of the Mistelbach Halfgraben in the northwestern Vienna Basin (Lower Austria). *Jahrbuch der Geologischen Bundesanstalt*; vol. 157, n° 1-4, 2017, p. 57-108.

Keywords: Neogene; Miocene; Micropaleontology; Mistelbach block; Vienna Basin; Austria.

30. HISS M., NIEBUHR B., TEIPEL U. The Cretaceous system in the stratigraphic table of Germany 2016. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*; vol. 169, n° 2, 2018, p. 247-266.

Keywords: Lithostratigraphy; Cretaceous; Sediments; Continental to deep marine; Germany.

31. HUSSEIN D., COLLIER R., LAWRENCE J.A. Stratigraphic correlation and paleoenvironmental analysis of the hydrocarbon-bearing Early Miocene Euphrates and Jeribe formations in the Zagros folded-thrust belt. *Arabian Journal of Geosciences*; vol. 10, n° 24, 2017, 543-15p.

Keywords: Carbonate ramp; Paleoenvironments; Early Miocene carbonates; Zagros; Iraq.

32. ISSAWI B., SALLAM E.S. Stratigraphy and facies development of the pre-Cenozoic sediments in southern Egypt: a geodynamic approach. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 271-20 p.

Keywords: Stratigraphy; Plumes; Uweinat-Gilf; South Nile; Etbai; Southern Egypt.

33. JANSSEN R., DOPPLER G., GRIMM K. The Tertiary in the Stratigraphic Table of Germany 2016 (STG 2016). *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*; vol. 169, n° 2, 2018, p. 267-294.

Keywords: Tertiary; Geologic time scale; Lithostratigraphy; Correlation; Facies; Molasse basin; Rhine graben system; North Sea Basin; Alps; Germany.

34. **MENNING M.** The Stratigraphic Table of Germany 2016 (STG 2016). **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 105-128.

Keywords: Geological time scale; Lithostratigraphy; Facies; Correlation; Radio-isotopic age determination; Geological events; Marker horizons; Folgen; Germany.

35. **MÖNNIG E., FRANZ M., SCHWEIGERT G.** The stratigraphic chart of Germany (STD 2016): Jurassic. **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 225-246.

Keywords: Jurassic; Stratigraphic nomenclature; Lithostratigraphy; Chronostratigraphy; Geochronology; Germany.

36. **NEDJARI A., AÏT-OUALI R.** Le Gourara-Timimoun: de la synclise hercynienne atypique aux continentaux. **Mémoire du Serv. Géol. Algérie**; n°20, 2018, p. 5-52.

Mots-clés: Hercynien; Carbonifère; Continental Intercalaire; Stratigraphie; Timimoun; Algérie.

37. **NITSCH E.** The Keuper Group in the Stratigraphic Table of Germany 2016: a continuous or discontinuous stratigraphic record?. **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 181-201.

Keywords: STD 2016; Triassic; Chronostratigraphy; Biostratigraphy; Lithostratigraphy; Cyclostratigraphy; Stratigraphic completeness; Keuper; Germany.

38. **PAUL J., HEGGEMANN H., DITTRICH D.** Comments to the stratigraphic chart of Germany 2016: the Zechstein Group. **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 139-145.

Keywords: Lithostratigraphy; Chronology; « Folgen ». Zechstein formations; Zechstein group; Germany.

39. **RÖHLING H.-G., LEPPER J., DIEHL M.** The Buntsandstein Group in the Stratigraphic Table of Germany 2016. **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 151-180.

Keywords: Stratigraphic table of Germany 2016; STD 2016; ESTD 2018; Stratigraphy; Nomenclature; Classification; Germanic Triassic; Triassic; Buntsandstein; Central European Basin; Germany.

40. **SANCHEZ-PELLICER R., MASURE E., VILLIER L.** A new biostratigraphic correlation for Late Cretaceous-Paleocene strata of the Gulf of Guinea: evidence from dinoflagellate cysts. **C. R. Acad. Geoscience**; vol. 349, n° 1, 2017, p. 32-41.

Keywords : Upper Cretaceous/Palaeocene; ODP Hole 959D; Biostratigraphy; Dinoflagellate cysts; Côte d'Ivoire-Ghana.

41. **TEIPEL U., HORNUNG TH., HAAS U.** Alpine Triassic in the stratigraphic table of Germany 2016. **Zeitschrift der Deutschen Gesellschaft für Geowissenschaften**; vol. 169, n° 2, 2018, p. 147-150.

Keywords: Lithostratigraphy; Stratigraphic table; Bavarian Alps; Alpine Triassic; Tethys; Northern calcareous Alps; Germany.

42. **TSHAKREEN S.O., GASINSKI M.A., MACHANIEC E.** Campanian-Maastrichtian foraminiferal stratigraphy and palaeoenvironment of the Lower Tar member in the Wadi Tar section, Western Sirte Basin (Libya). **Annales Societatis Geologorum Poloniae**; vol. 87, n° 4, 2017, p. 349-362

Keywords: Biostratigraphy; Foraminifera; Palaeoenvironment; Late Campanian-Maastrichtian; Lower Tar member; Western Sirte Basin; Libya; Southern Tethys.

SEDIMENTOLOGIE

43. **BEIK I., GÖMES V.G., PODLAHA O.G.** Microfacies and depositional environment of Late Cretaceous to Early Paleocene oil shales from Jordan. **Arabian Journal of Geosciences**; vol. 10, n° 15, 2017, 346-24 p.

Keywords: Oil shale; Cretaceous-Paleocene; Microfacies; Bioturbation; Southern Tethys margin; Jordan.

44. **EKWENYE O.C., NICHOLS G., NWAJIDE S.C.** An insight into the Eocene tide-dominated estuarine system: implications for palaeoenvironmental and sequence stratigraphic interpretations. **Arabian Journal of Geosciences**; vol. 10, n° 16, 2017, 371-20 p.

Keywords: Macrotidal estuary; Sedimentary facies; Facies variation; Sequence stratigraphy; Ameki group; Niger delta.

45. KHAN M., KHAN M.A., SHAMI B.A. Microfacies analysis and diagenetic fabric of the Lockhart limestone exposed near Taxila, Margalla Hill range, Punjab, Pakistan. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 29-15 p.

Keywords: Paleocene; Microfacies; Diagenetic fabric; Margalla Hill ranges; Lockhart limestone; Zongpu formation; Tibet; Pakistan.

46. KHILA A., OUAJA M., ZARGOUNI F. Coniacian carbonate-conglomerate event on carbonate ramps from the Northern chotts ranges, South Tunisia: facies geometry and tectono-sedimentary evolution. *Arabian Journal of Geosciences*; vol. 11, n° 3, 2018, 54-8 p.

Keywords: Coniacian; Conglomerates; Incised valley; Zemlet el Beida; South Tunisia.

47. LAPCIK P. Facies heterogeneity of a deep-sea depositional lobe complex: case study from the Slonne section of Skole Nappe, Polish Outer Carpathians. *Annales Societatis Geologorum Poloniae*; vol. 87, n° 4, 2017, p. 301-324.

Keywords: Deep-marine turbidites; Depositional lobes; Dynamic stratigraphy; Facies analysis; Mass-flow deposits; Upper Cretaceous; Polish Outer Carpathians.

48. LAZIZ O., BENABBAS CH., BOULARAK M. Dynamique des environnements crétacés (Cénomano-Turonien) de la plateforme néritique, le cas du Rocher de Constantine-Djebel Kellal (Nord-Est de l'Algérie). *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 93-106.

Mots-clés: Néritique; Faciès; Microfaciès; Diagenèse; Djebel Kellal; Rocher de Constantine; Algérie.

49. MEJRI H., ESSEFI E., HAMMAMI K. Changing roles controlling alternating marine and aeolian deposition and formation of Quaternary sequences in Hergla coastal escarpment (north-eastern Tunisia). *Arabian Journal of Geosciences*; vol. 10, n° 24, 2017, 550-16 p.

Keywords: Lithostratigraphy; Sedimentology; Eustatic fluctuations; Storms; Upper Pleistocene deposits; Hergla escarpment; Eastern Tunisia.

50. MIGUEL G.S., AURELL M., BADENAS B. Diagenetic evolution of a shallow marine Kimmeridgian carbonate ramp (Jabaloyas, NE Spain): implications for hydrocarbon reservoir quality. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 376-18 p.

Keywords: Carbonate ramp; Diagenesis; Kimmeridgian; Petrography; Sequence stratigraphy; Jabaloyas; NE Spain.

51. MOFREDJI., NEDJARI A. Le Dévonien inférieur de l'Ahnet occidental- Bled el Mass (Sahara algérien), formations et environnements. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 71-91.

Mots-clés: Dévonien inférieur; Paléopédogenèses; Séquences de dépôts; Formations; Membres; Cortèges sédimentaires; Cycles eustatiques; Anneaux de Liesegang; Ahnet continental; Bled el Mass; Sahara algérien.

52. PRAKASH S., RAMASAMY S., VARGHESE N.M. Provenance of the Gondwana sediments, Palar Basin, southern India. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 163-18 p.

Keywords: Petrography; Heavy minerals; Clay mineralogy; Provenance; Palaeoweathering; Tectonics; Palar Basin; Southern India.

53. RICHTER D.K., GILLHAUS A., NEUSER R.D. The alteration and disintegration of dolostones with stoichiometric dolomite crystals to dolomite sand : new insights from the Franconian Alb (Upper Jurassic, SE Germany). *Z. Dt. Ges ; Geowiss. (German J. Geol.)*; vol. 169, n° 1, 2018, p. 27-46.

Keywords: Dolomite disintegration; Stoichiometry; Leaching; Microapatite; Upper Jurassic; SE Germany.

54. Zaid S.M., EL-BADRY O., ABDEL-FATAH A.M. Provenance of pharaonic potsherds, Sharkiya governorate, Egypt. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 354-17 p.

Keywords: Provenance; Pharaonic potsherds; Egypt.

GEOLOGIE REGIONALE-CARTES

55. AHMADI H., AHMADI F. Mapping thermal comfort in Iran based on geostatistical methods and bioclimatic indices. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 342-12 p.

Keywords: Bioclimatic indexes; Geostatistics; Spatial distribution; Thermal comfort; Iran.

56. AUBERGER E., GELY J.-P., MERLE D. New regulatory tool for the conservation of the geological heritage in France: the prefectural decree of the protection of the geotope (APPG). Application and feedback in the Yvelines department (Paris Basin, Île-de-France). **Bull. Soc. Géol. France – Earth Sciences Bulletin**; t. 189, n° 1, 2018, 3-17 p.

Keywords: Prefectural decree of the protection of the geotope (APPG); Geoheritage; Regulatory protection; Fossil site; Lutetian; Peri-urban area; Paris Basin; Île-de-France.

57. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19101-1 adoptée comme norme algérienne NA 18292. Modèle de référence partie 1: principes de base. **2018, 52 p.**

Mots-clés: Administration de système; Définition; Echange d'informations; Exploitation du réseau; Géographie; Information géographique; Informatique; Interopérabilité; Métadonnées; Modèle de référence; OSI; Série; Système ouvert; Traitement de l'information.

58. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19109 adoptée comme norme algérienne NA 18294. Règles de schéma d'application. **2018, 97 p.**

Mots-clés: Application; Caractéristique de puissance; Compatibilité d'information; Définition; Description des données; Géodésie; Géographie; Géométrie; Information géographique; Informatique; Métadonnées; Règle; Représentation de données; Schéma; Série; Texture; Traitement de l'information; Transfert de donnée; UML.

59. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19110 adoptée comme norme algérienne NA 18285. Méthodologie de catalogage des entités. **2018, 56 p.**

Mots-clés: Coordonnée géographique; Définition; Description des données; Géodésie; Géographie; Géométrie; Information géographique; Informatique; Langue anglaise; Représentation de données; Série; Traitement de l'information; Transfert de données.

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Mots-clés: Carte géographique; Donnée; Géodésie; Géographie; Géologie; Géomatique; Géotechnique; Informatique; Internet; Langage de balisage extensible; Représentation de données; Surface de la Terre; Système de traitement de données; Transfert de données; Web.

63. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19148 adoptée comme norme algérienne NA 18290. Référencement linéaire. **2018, 155 p.**

Mots-clés: Compatibilité d'information; Définition; Description des données; Echange d'informations; Géodésie; Géographie; Géométrie; Information géographique; Informatique; Linéaire; Linéarité; Position; Représentation de données; Système de référence; Traitement de l'information; Transfert de données; UML.

64. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19156 adoptée comme norme algérienne NA 18282. Observations et mesures. **2018, 47 p.**

Mots-clés: Compatibilité d'information; Géodésie; Géographie; Géologie; Géotechnique; Information géographique; Informatique; Mesurage; Représentation de données; Surface de la Terre; Traitement de l'information; Transfert de données.

65. Conseil National de l'Information Géographique. Diffusion des normes adoptées dans le domaine de l'information géographique. Norme ISO 19157 adoptée comme norme algérienne NA 18281. Qualité des données. **2018, 160 p.**

Mots-clés: Base de données; Géodésie; Géographie; Géométrie; Identification de données; Information géographique; Informatique; Système de traitement de données; Traitement de l'information; Transfert de données.

66. HARA H., AOYA M., NODA A. Geological map of Japan 1 : 200, 000, Kochi. **2^{ème} édition; NI-53-28, 2018.**

Keywords: Areal geology; Geological map; Quaternary; Metamorphic complex; Plutono-metamorphic complex; Pyroclastic rocks; Sedimentary rocks; Active fault; Mineral resource; Gravity anomaly; Kochi; Japan.

67. ISHIZUKA O., GESHI N. Geological map of Hachijojima volcano. **Geological map of volcanoes ; vol. 20, 2018.**

Keywords: Geological map ; Geology; Volcanic rocks; Age; Chemical composition; Hachijojima; Japan.

68. KASSAI P., SISAK I. The role of geology in the spatial prediction of soil properties in the watershed of Lake Balaton, Hungary. **Geologia Croatica; vol. 71, n° 1, 2018, p. 29-39.**

Keywords: Parent material classification; Soil properties; Spatial prediction; Digital soil mapping; Lake Balaton; Hungary.

69. KORNPORST J., ABALOS B., BARBEY P. Boris Choubert: unrecognized visionary geologist, pioneer of the global tectonics. **Bull. Soc. Géol. France – Earth Sciences Bulletin; t. 189, n° 2, 2018, 7-15 p.**

Keywords : Wegener ; Continental drift; Plate tectonics; Orogeny; Precambrian; Palaeozoic belts; Boris Choubert.

70. KRIVINE H. Comment la Terre a-t-elle pu vieillir de plus de quatre milliards d'années en quatre siècles ? **C. R. Acad. Geoscience; vol. 349, n° 3, 2017, p. 91-95.**

Mots-clés : Histoire de la Terre; Age de la Terre; Ordre du système solaire; Complexité du vivant.

71. MAATE S., ALCALA F.J., GUERRERA F. The external Tanger unit (intra-rif sub-domain, external rifian zones, Morocco): an interdisciplinary study. **Arabian Journal of Geosciences; vol. 10, n° 24, 2017, 556-20 p.**

Keywords: Stratigraphic record; Tectono-sedimentary events; Cretaceous-Miocene; External/Rif; Morocco.

72. ONDREAS H., SCALABRIN C., FOUQUET Y. Recent high-resolution mapping of Guaymas hydrothermal fields (Southern Trough). **Bull. Soc. Géol. France – Earth Sciences Bulletin; t. 189, n° 1, 2018, 6-15 p.**

Keywords: Mid-ocean ridges; Sedimented ridge; Hydrothermal systems; Fluid migration; Water-column acoustic images; Guaymas Basin.

73. POIRIER J.-P. About the age of the earth. **C. R. Acad. Geoscience; vol. 349, n° 5, 2017, p. 223-225.**

Keywords : Earth age; Earth cooling; Conduction; Experimental method.

74. TUZINO T., KUDO T., NAKAE S. Geology of the Ichinohe district. **Quadrangle series Aomori (5); n° 48, NK-54-18-11, 2018, 163 p.**

Keywords: Areal geology; Geological map; Jurassic; Cretaceous; Neogene; Quaternary; Terrace deposits; Landslide; Alluvium; Geologic structure; Fault; Ichinohe; Japan.

PALEONTOLOGIE

75. AMJAD A., SIDDIQUI P.J.A., BROMFIELD K. Quaternary fossil coral communities in uplifted strata along the Balochistan coast of Pakistan: understanding modern coral decline in the Arabian sea. **Arabian Journal of Geosciences; vol. 10, n° 23, 2017, 520-16 p.**

Keywords: Quaternary fossil corals; Balochistan; Makran subduction zone; Gwadar; Jiwani; Arabian sea.

76. ALMERAS Y., FAURE PH., COUGNON M. Brachiopodes toarciens du Haut-Atlas central (Maroc) implications biostratigraphiques et paléobiogéographiques. **Bull. Soc. Hist. Nat. Toulouse**; t. 153, 2017, p. 47-66.

Mots-clés: Toarcien; Brachiopodes; Biostratigraphie; Paléobiogéographie; Téthys; Maroc; Algérie.

77. ASTIBIA H., MERLE D., PACAUD J.-M. Gastropods and bivalves from the Eocene marly formations of the Pamplona Basin and surrounding areas (Navarre, western Pyrenees). **Geodiversitas**; vol. 40, n° 6-11, 2018, p. 211-258.

Keywords: Gastropods; Bivalves; Paleogene; Shallow-marine sediments; New combinations; New species; Navarre; Pyrenean area.

78. AUDO D., SCHWEIGERT G. Large polychelidan lobsters with a rounded carapace from the Middle Jurassic La Voulte-sur-Rhône Lagerstätte: taxonomic clarifications. **Geodiversitas**; vol. 40, n° 6-11, 2018, p. 183-194.

Keywords: Decapoda; Eryonidae; Coleiidae; Callovian; Outcrop with exceptional preservation; Lectotype; New combination; New species; La Voulte-sur-Rhône; France.

79. BARON-SZABO R.CH. Scleractinian corals from the upper Aptian-Albian of the Garschella formation of central Europe (western Austria; eastern Switzerland): the Albian. **Jahrbuch der Geologischen Bundesanstalt**; vol. 157, n° 1-4, 2017, p. 241-260.

Keywords: Albian; Taxonomy; Scleractinia; Garschella formation; Eastern Switzerland ; Western Austria.

80. BILOTTE M., BOUSQUET J.-P., DEBROAS E.-J. Gisements pyrénéens d'*Offneria rhodanica* Paquier, 1905 et de *Caprina choffati* Douvillé, 1898 (Rudistes). **Bull. Soc. Hist. Nat. Toulouse**; t. 153, 2017, p. 67-75.

Mots-clés: Rudistes; Crétacé inférieur; Pyrénées; France.

81. BRIGNON A. Nouvelles données historiques sur les premiers Dinosaures trouvés en France. **Bull. Soc. Géol. France – Earth Sciences Bulletin**; t. 189, n° 1, 2018, 4-19 p.

Mots-clés: Histoire de la paléontologie; Dinosauria; Theropoda; Sauropoda; Jurassique; Crétacé; France.

82. BRIGUGLIO A., TORRES-SILVA A.I., EGGER H. Larger benthic foraminifera and microfacies of Eocene limestone boulders reworked in the Miocene of the Eastern Alps (Austria). **Jahrbuch der Geologischen Bundesanstalt**; vol. 157, n° 1-4, 2017, p. 159-164.

Keywords: Priabonian; Larger benthic foraminifera; Microfacies; Biostratigraphy; Eastern Alps; Austria.

83. CHIKHI-AOUIMEUR F. Le corail et le crocodile. Biostratigraphie du Gourara. Quelques sites et collections. **Mémoire du Serv. Géol. Algérie**; n°20, 2018, p. 53-69.

Mots-clés: Fossiles; Collections; Biostratigraphie; Géopatrimoine; Gourara; Timimoun ; Algérie.

84. EGGER H. Calcareous nannofossil assemblages from Upper Cretaceous to Paleocene deep-water deposits of the Muttekopf area (Gosau Group, Northern calcareous Alps, Austria). **Jahrbuch der Geologischen Bundesanstalt**; vol. 157, n° 1-4, 2017, p. 165-171.

Keywords: Cretaceous; Paleocene; Calcareous nannoplankton; Gosau group; Eastern Alps; Austria.

85. ELETTAAR A.A. Middle Eocene echinoids from El Sheikh Fadl-Ras Gharib stretch, Eastern desert, Egypt: systematics, stratigraphy, palaeobiogeography. **Arabian Journal of Geosciences**; vol. 11, n° 12, 2018, 303-33 p.

Keywords: Middle Eocene; Echinoids; Stratigraphy; Paleobiogeography; Mokattamian stage; Maghagha area; El Sheikh Fadl-Ras Gharib stretch; Egypt; North Africa.

86. FAURE PH., GUIBBERT B. Présence de l'Ammonite téthysienne *Alocolytoceras ophioneum* (Benecke, 1865) (Psilocerataceae, Lytoceratidae) dans le Toarcien supérieur des Grands-Causse (Hérault, France). **Bull. Soc. Hist. Nat Toulouse**; t. 153, 2017, p. 85-93.

Mots-clés: Ammonite; Toarcien; Aalénien; Paléobiogéographie; *Alocolytoceras ophioneum*; Lytoceratidae; Grands-Causse; France; Algérie.

87. GODARD G. Early texts on the Cenozoic fossils of Aquitaine (1622-1767) and pioneering debates on the organic origin of fossils, the superpositioning of strata and the mobility of the seas. **Bull. Soc. Géol. France – Earth Sciences Bulletin**; t. 189, n° 2, 2018, 8-12 p.

Keywords: History of geology; Principle of superposition; Uniformitarianism; Origin of fossils; Miocene; Aquitaine; French.

88. HOUSSAYE A., NAKAJIMA Y., SANDER P.M. Structural, functional, and physiological signals in ichthyosaur vertebral centrum microanatomy and histology. *Geodiversitas*; vol. 40, n° 6-11, 2018, p. 161-170.

Keywords: Ichthyosaur; Vertebral centrum; Histology; Microanatomy ; Microtype; Amphicoelous.

89. LAMBERT O., MUIZON CH., DUHAMEL G. Neogene and Quaternary fossil remains of beaked whales (Cetacea, Odontoceti, Ziphiidae) from deep-sea deposits off Crozet and Kerguelen islands, Southern Ocean. *Geodiversitas*; vol. 40, n° 6-11, 2018, p. 135-160.

Keywords: Ziphiidae ; Beaked whale; Miocene; Quaternary; New species; Kerguelen Islands; Crozet Islands; Southern Ocean.

90. MARMI R., HAMACHI R., YAHIAOUI A. Nouveaux repères de restes de vertébrés et précisions biostratigraphiques dans le « Mio-Plio-Quaternaire » des Hautes-plaines Constantinoises (NE Algérien). *Bull. Serv. Géol. Algérie*; vol. 28, n° 1-2, 2018, p. 3-16.

Mots-clés: Mio-Plio Quaternaire; Vertébrés; Biostratigraphie; Hautes plaines Constantinoises; Algérie Nord-orientale.

91. McCANN T., AMARU I., DREWS E.-L. The hunter and the hunted – first description of a jackal-like predator and associated bird and gazelle tracks from the Post-Messinian of the Sorbas Basin, SE Spain. *Z. Dt. Ges ; Geowiss. (German J. Geol.)*; vol. 169, n° 1, 2018, p. 47-71.

Keywords: Jackal; Gazelle; Bird tracks; Messinian; Predation; Migration; Sorbas basin; SE Spain.

92. SAM Y. Révision des Equidés (Mammalia, Perissodactyla) du site pléistocène moyen du lac Karâr (Tlemcen, Algérie). *Geodiversitas*; vol. 40, n° 6-11, 2018, p. 171-182.

Mots-clés: Perissodactyla; Equidés; Ane sauvage; Lac Karâr ; Algérie; Afrique du Nord.

93. SANJUAN J., ALQUDAH M. Charophyte flora from the Miocene of Zahle (Beeka Valley, Lebanon). Biostratigraphic, palaeoenvironmental and palaeobiogeographical implications. *Geodiversitas*; vol. 40, n° 6-11, 2018, p. 195-210.

Keywords: Charophyta; Neogene; Miocene; Biostratigraphy; Palaeoecology; Bekaa valley; Lebanon.

94. SOULIMANE C., REOLID M., MAROK A. Ostracod assemblages from the uppermost Pliensbachian and Lower Toarcian of the Traras mountains (Tlemcen domain, north Algeria). *Arabian Journal of Geosciences*; vol. 10, n° 18, 2017, 393-24 p.

Keywords: T-OAE; Microfossils; Biotic changes ; Traras mountains; Tlemcen; North Algeria.

95. TURIN G. Description de deux espèces nouvelles de *Lychnus* (Mollusca, Gastropoda, Anadromidae) du Rognacien (Maastrichtien supérieur) de Vitrolles (Bouches-du-Rhône, France). *Bull. Soc. Géol. France – Earth Sciences Bulletin*; t. 189, n° 1, 2018, 2-7 p.

Mots-clés: Vitrolles; Rognacien supérieur; Maastrichtien; *Lychnus*; Nouvelles espèces; Bouches-du-Rhône; France.

PETROLOGIE

96. ABDALLAH MAHMOUD S.A. El Seboah peralkaline a-type magmatism, south Western desert, Egypt: evidences for the HFSE and REE enrichment. *Arabian Journal of Geosciences*; vol. 11, n° 12, 2018, 290-18 p.

Keywords: Peralkaline granite; Pantellerite; HFSE; Guinean-Nubian lineament; Egypt.

97. ABDEL HAMID A.A. Hydrothermal alteration and evolution of Zr-Th-U-REE mineralization in the microgranite of Wadi Ras Abda, Northern Eastern desert, Egypt. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 273-15 p.

Keywords: Hydrothermal alteration; Hydrothermal zircon; Rare metal mineralization; Ras Abda; Egypt.

98. BAGDIS., NEDJARI A. Contribution à l'étude des séries volcaniques et volcano-sédimentaires du massif de Sidi El Medjni (Dellys-Nord de l'Algérie): pétrographie, mode de mise en place et contexte géodynamique. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 129-138.

Mots-clés: Coulées volcaniques; Dépôts volcano-sédimentaires; Pétrographie; Bassins d'arrière-arc; Géodynamique; Sidi El Medjni; Dellys; Marge nord-algérienne.

99. EL MOURABET M., BARAKAT A., RAIS J. Petrology of lower-middle Miocene Zoumi flysch Fm. (Mesorif sub-domain, Rif belt, Morocco): first evidence of mixed mode provenance and geodynamic setting. **Arabian Journal of Geosciences; vol. 11, n° 9, 2018, 209-30 p.**

Keywords: Trace elements; REE; Major oxides; Provenance; Geodynamic setting; Rif belt; Morocco; Algeria.

100. GHAFOURI A., AMINI J., DEHMOLLAIAN M. Measuring the surface roughness of geological rock surfaces in SAR data using fractal geometry. **C. R. Acad. Geoscience; vol. 349, n° 3, 2017, p. 114-125.**

Keywords : Synthetic Aperture Radar (SAR); Integral Equation Model (IEM); Random fractal geometry.

101. GIULIANI G., DUBESSY J., OHNENSTETTER D. The role of evaporites in the formation of gems during metamorphism of carbonate platforms: a review. **Mineralium Deposita; vol. 53, n° 1, 2018, p. 1-20.**

Keywords: Gems; Emerald; Ruby; Garnet; Zoisite; Lapis-lazuli; Metamorphism; Carbonate platform; Evaporites; Brines; Fingerprints; Salinity; Molten salts; Thermal reduction of sulphates.

102. KILINCARSLAN S., DAVRAZ M., AKCA M. The effect of pumice as aggregate on the mechanical and thermal properties of foam concrete. **Arabian Journal of Geosciences; vol. 11, n° 11, 2018, 289- 6 p.**

Keywords: Pumice; Foam concrete; Thermal conductivity; Compressive strength.

103. LAHMER M.C., SEDDIKI A., ZERKA M. Metasomatism and origin of glass in the lithospheric mantle xenoliths beneath Ain Temouchent area (North-West Algeria). **Arabian Journal of Geosciences; vol. 11, n° 12, 2018, 332-16 p.**

Keywords: Mantle xenoliths; Partial melting; Metasomatic process; Basaltic melt; Silicic glass; Ain Temouchent; Algeria.

104. MEKKAOUI A., REMACI-BENAOUDA N., GRAÏNE-TAZEROUT KH. Mafic dikes at Kahel Tabelbala (Daoura, Ougarta Range, south-western Algeria): new insights into the petrology, geochemistry and mantle source characteristics. **C. R. Acad. Geoscience; vol. 349, n° 5, 2017, p. 202-211.**

Keywords : Mafic dikes; Petrology-geochemistry; Sr-Nd isotopes; Mantle plume; Kahal Tabelbala; Ougarta Range; Algeria.

105. RADVANEC M., NEMETH Z. Variscan epidote-eclogite, blueschists and pumpellyite-actinolite facies Cpx/Sr-rich epidote-metagabbro blocks exhumed in Carboniferous, with Permian amphibolite facies overprint (gemeric unit, Western Carpathians). **Mineralia Slovaca; vol. 50, n° 1, 2018, p. 55-99.**

Keywords: Cpx/Sr-epidote metagabbro; Subduction; Lower crust; P-T-t path; Gemic unit; Western Carpathians.

106. TILL J.L., GUYODO Y., LAGROIX F. Presumed magnetic biosignatures observed in magnetite derived from abiotic reductive alteration of nano-goethite. **C. R. Acad. Geoscience; vol. 349, n° 2, 2017, p. 63-70.**

Keywords : Magnetite; Magnetosomes; Inorganic alteration; Nano-goethite; Magnetism-based biosignature.

MINERALOGIE

107. BASIBÜYÜK Z. Mineralogical, geochemical, and geomological characteristics of silicic gemstone in Aydıncık (Yozgat-Turkey). **Arabian Journal of Geosciences; vol. 11, n° 12, 2018, 292-11 p.**

Keywords: Gemology; Geochemistry; Chalcedony; Amethyst; Gemstone; Yozgat ;Turkey.

108. CAO M., QIN K., LI G. Oxidation state inherited from the magma source and implications for mineralization: Late Jurassic to Early Cretaceous granitoids, Central Lhasa subterrane, Tibet. **Mineralium Deposita; vol. 53, n° 3, 2018, p. 299-309.**

Keywords: Oxidation state; Magnetic susceptibility; Fe³⁺/Fetotalratios; Zircon Ce⁴⁺/Ce³⁺; Central Lhasa subterrane; Tibet.

109. DEDIC Z., LLIJANIC N., MIKO S. A mineralogical and petrographic study of evaporites from the Mali Kukor, Vranjkovici, and Slane Stine deposits (Upper Permian, Dalmatia, Croatia). **Geologia Croatica; vol. 71, n° 1, 2018, p. 19-28.**

Keywords: Upper Permian; Evaporite sediments; Gypsum; Anhydrite; Dalmatia; Croatia.

110. MONDILLO N., ARFE G., HERRINGTON R. Germanium enrichment in supergene settings: evidence from the cristal nonsulfide Zn prospect, Bongara district, northern Peru. *Mineralium Deposita*; vol. 53, n° 2, 2018, p. 155-169.

Keywords: Germanium; Zn nonsulfide deposits; Critical elements; Hemimorphite; Goethite; Sphalerite; Laser ablation; LA-ICP-MS; Bongara district; Peru.

111. MOSBAHIM, KHLIFIM, JAMOUISSIF. Valorization of Coniacian-middle Campanian clay minerals of the Meknassy-Mezzouna region (center western Tunisia) in the clinker manufacturing. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 349-18 p.

Keywords: Clay minerals; Limestone; Sand; Clinker; Aleg formation; Meknassy-Mezzouna Basin; Tunisia.

112. MUELLER A.G., MCNAUGHTON N.J. Mineral equilibria and zircon, garnet and titanite U-Pb ages constraining the PTt path of granite-related hydrothermal systems at the Big Bell gold deposit, Western Australia. *Mineralium Deposita*; vol. 53, n° 1, 2018, p. 105-126.

Keywords: Thermometry; Zircon; U-Pb age; Gold; Big Bell; Australia.

113. NEMEC M., ZACHARIAS J. The Krasna Hora, Milesov, and Pricovy Sb-Au ore deposits, Bohemian massif: mineralogy, fluid inclusions, and stable isotope constraints on the deposit formation. *Mineralium Deposita*; vol. 53, n° 2, 2018, p. 225-244.

Keywords: Stibnite; Gold; Aurostibite; Orogenic gold deposits; Sb-Au deposits; Krasna Hora; Czech Republic.

114. WU SH., MAO J., YUAN SH. Mineralogy, fluid inclusion petrography, and stable isotope geochemistry of Pb-Zn-Ag veins at the Shizhuyuan deposit, Hunan province, southeastern China. *Mineralium Deposita*; vol. 53, n° 1, 2018, p. 89-103.

Keywords: Pb-Zn-Ag veins; Mineralogy; Fluid inclusions; Sulfur isotopes; Shizhuyuan deposit; Nanling; Hunan province; China.

GEOLOGIE MINIERE

115. AHMAD L., KHAN S.D., SHAH M.T. Gold mineralization in Bubin area, Gilgit-Baltistan, Northern areas, Pakistan. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 18-12 p.

Keywords: Gold mineralization; Ore microscopy; QEMSCAN; Kohistan-Ladakh; Pakistan.

116. BISWAS A. A review on modeling, inversion and interpretation of self-potential in mineral exploration and tracing paleo-shear zones. *Ore geology reviews*; vol. 91, 2017, p. 21-56.

Keywords: Self-potential; Forward modeling; Inversion; Interpretation; Mineral exploration; Tracing paleo-shear zones.

117. BOUTRIKA R., KOLLI O., AÏSSA DJ.-E. Particularités morphologiques et minéralogiques du gisement aurifère d'In-Abeggui (Hoggar central, Sud algérien). *Bull. Serv. Géol. Algérie*; vol. 28, n° 1-2, 2018, p. 17-42.

Mots-clés: Or natif; Filons de quartz à tourmaline; Stockwerk; Gabbro; Aplite; Greisen; Orogenèse panafricaine; Hoggar central; Algérie.

118. HALIMI F., MEZGHACHE H. Estimation des ressources d'un gisement karstique par méthodes géostatistiques: cas du gisement de fer d'Anini (Nord-Est algérien). *Bull. Serv. Géol. Algérie*; vol. 28, n° 1-2, 2018, p. 93-113.

Mots-clés: Gisement de fer; Karst; Estimation géostatistique; Effet de trou; Coefficient de minéralisation; Anini; Sétif; Nord-Est Algérien.

119. KHOURY H.N. Economic potentials of industrial rocks and minerals in the Azraq Basin, NE Jordan. *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 72-22 p.

Keywords: Basalt and pyroclastics; Zeolitic tuff; Diatomaceous earth; Palgorskite; Porcelanite; Chalk; Jordan industrial minerals.

120. LEVRESSE G., VILLARREAL-FUENTES J., NIETO-SAMANIEGO A.F. New metallogenic model of telescoped Eocene-Miocene Au-U epithermal mineral deposit in the placer de Guadalupe district, Chihuahua, Mexico. *Ore geology reviews*; vol. 91, 2017, p. 133-152.

Keywords: Au-U epithermal deposit; U dating; Telescoped deposit; Miocene; Mexico.

121. MA CH., LI H., ZHANG P. Subsidence prediction method of solid backfilling mining with different filling ratios under thick unconsolidated layers. *Arabian Journal of Geosciences*; vol. 10, n° 23, 2017, 511-12 p.

Keywords: Industrial square pillar; Surface movement and deformation; Prediction parameters; Backfill mining; Thick unconsolidated layers.

122. MAZARI DJ.E., KOLLI O., BOUTALEB A. Les minéralisations à Pb , Zn , (Cu, Ba et F) de la région de Kherrata (Atlas tellien, Algérie). *Bull. Serv. Géol. Algérie*; vol. 28, n° 1-2, 2018, p. 43-65.

Mots-clés: Crétacé supérieur ; Trias ; Fluorite ; Galène ; Sphalérite ; Nappe de Djemila ; Kherrata ; Algérie.

123. SAAD W., AISSA DJ.E., WATANABE K. Gold deposits associated with the gabbroic rocks at Tirek +area, western Hoggar, Algeria: fluid inclusion study. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 26-10 p.

Keywords: Shear zone; Fluid inclusions; Tirek gold deposit; Hoggar; Algeria.

124. SANGUINETTI H., NEDJARI A., AOUAMI I. Recherche de minéralisation d'uranium dans le Bassin de Tim Mersoï (République du Niger). Une revue des guides de prospection. *Mémoire du Serv. Géol. Algérie*; n°20, 2018, p. 157-182.

Mots-clés: Minéralisation; Uranium; Gisement; Indice; Tim Mersoï ; Niger.

125. SOLOVIEV S.G., KRYAZHEV S., DVURECHENSKAYA S. Geology, mineralization, and fluid inclusion study of the Kuru-Tegerek Au-Cu-Mo skarn deposit in the Middle Tien Shan, Kyrgyzstan. *Mineralium Deposita*; vol. 53, n° 2, 2018, p. 195-223.

Keywords: Skarn; Gold; Copper; Fluid inclusions; Tien Shan; Kyrgyzstan; Central Asia.

126. TASEV G., SERAFIMOVSKI D., SERAFIMOVSKI T. Evolution of ore-forming fluids in the Bukovik-Kadiica porphyry Cu deposit, Republic of Macedonia. *Geologia Croatica*; vol. 71, n° 1, 2018, p. 1-18.

Keywords: Porphyry copper; Fluid inclusions; Hydrothermal alterations; Bukovik-Kadiica; Republic of Macedonia.

127. ZHU Z., TAN H., LIU Y. Multiple episodes of mineralization revealed by Re-Os molybdenite geochronology in the Lala Fe-Cu deposit, SW China. *Mineralium Deposita*; vol. 53, n° 3, 2018, p. 311-322.

Keywords: Fe oxide-Cu-Au deposit; Multiple episodes of mineralization; Molybdenite Re-Os dating; Lala deposit; SW China.

GEOCHIMIE

128. ABDULZAHRA I.K., HADI A., AZIZI H. Zircon U-Pb ages and Sr-Nd isotope ratios for the Sirstan granitoid body, NE Iraq: evidence of magmatic activity in the Middle Cretaceous period. *C. R. Acad. Geoscience*; vol. 349, n° 2, 2017, p. 53-62.

Keywords : Middle Cretaceous; Zircon U-Pb age; I-type granite; Sanadjai-Sirjan zone; Sirstan; Iran.

129. BAGGIO SB, HARTMANN LA, LAZAROV M. Origin of native copper in the Parana volcanic province, Brazil, integrating Cu stable isotopes in a multi-analytical approach. *Mineralium Deposita*; vol. 53, n° 3, 2018, p. 417-434.

Keywords: Native copper; Copper isotopes; Hydrothermal mineralization; Parana; Brazil.

130. BECHIRI-BENMERZOUG F., BONIN B., BECHIRI H. Hoggar geochronology: a historical review of published isotopic data. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 351-32 p.

Keywords: Isotopic dating techniques; Low temperature thermochronology; Archean; Paleo-proterozoic; Neoproterozoic; Paleozoic; Mesozoic; Cenozoic; High-grade; High-pressure; High temperature metamorphisms; Granitoid batholiths; Volcanic activity; Taourirt igneous suite; Hoggar; Algeria.

131. BOUKERROU S., NALINI H., MOREIRA H. Geochronology and geochemistry of Ediacaran volcanic rocks of the Tighardine ore deposit formation (Western High Atlas, Morocco). *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 22-24 p.

Keywords: Ediacaran age; Intracontinental basalt; U-Pb dating; High Atlas; Tighardine deposit; Morocco.

132. GALLAGHER S., CAMACHO A., FAYEK M. Geology, geochemistry, and geochronology of the East Bay gold trend, Red Lake, Ontario, Canada. *Mineralium Deposita*; vol. 53, n° 1, 2018, p. 127-141.

Keywords: Stable isotopes; Fluid inclusion; Geochronology; Gold; Red Lake; Ontario; Canada.

133. GAO Z., ZHU X., SUN J. Spatial evolution of Zn-Fe-Pb isotopes of sphalerite within a single ore body: a case study from the Dongshengmiao ore deposit, Inner Mongolia, China. *Mineralium Deposita*; vol. 53, n° 1, 2018, p. 55-65.

Keywords: Zn-Fe-Pb isotopes; Isotope fractionation; Ore prospecting; Dongshengmiao deposit; Langshan-Zhaertai district; Inner Mongolia; China.

134. GODARD G., REYNES J., BASCOU J. First rocks sampled in Antarctica (1840): insights into the landing area and the Terre Adélie Craton. *C. R. Acad. Geoscience*; vol. 349, n° 1, 2017, p. 12-21.

Keywords : Icecap shrinking; Little ice age; Migmatite; Prehnite-pumpellyite; High-T metamorphism; « Terre Adélie » craton; Antarctica.

135. HARBI H.M., ALI K.A., McNAUGHTON N.J. U-Pb zircon and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of sericite from hydrothermal alteration zones: new constraints for the timing of Ediacaran gold mineralization in the Sukhaybarat area, western Afif terrane, Saudi Arabia. *Mineralium Deposita*; vol. 53, n° 4, 2018, p. 459-476.

Keywords: U-Pb zircon dating; Gold mineralization; $^{40}\text{Ar}/^{39}\text{Ar}$ dating; Bir Tawilah shear zone; Arabian shield; Afif; Saudi Arabia.

136. LI X-CH., ZHOU M.-F., CHEN W.T. Uranium-lead dating of hydrothermal zircon and monazite from the Sin Quyen Fe-Cu-REE-Au-(U) deposit, northwestern Vietnam. *Mineralium Deposita*; vol. 53, n°3, 2018, p. 399-416.

Keywords: Uranium; U-Pb dating; Zircon; Monazite; Hydrothermal process; Mineral composition; Mineralization; Sin Quyen; Vietnam.

137. NOMADE S., PASTRE J.-F., PEREIRA A. New $^{40}\text{Ar}/^{39}\text{Ar}$ constraints for the « Grande Nappe »: the largest rhyolitic eruption from the Mont-Dore massif (French Massif Central). *C. R. Acad. Geoscience*; vol. 349, n° 2, 2017, p. 71-80.

Keywords : $^{40}\text{Ar}/^{39}\text{Ar}$; Xenocrysts contamination; Grande Nappe; Haute-Dordogne caldera; Mont-Dore Massif; France.

138. OKUNOLA O.W., OLATUNJI A.S. Geochemical assessment and speciation of metals in sediments of Osun and Erinle rivers, Southwestern Nigeria. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 366-16 p.

Keywords: Sequential analysis; Anthropogenic; Contamination indices; Bioavailable phases; Nigeria.

139. PADEL M., ALVARO J.J., CLAUSEN S. U-Pb laser ablation ICP-MS zircon dating across the Ediacaran-Cambrian transition of the Montagne Noire, southern France. *C. R. Acad. Geoscience*; vol. 349, n° 8, 2017, p. 380-390.

Keywords : Ediacaran; Cambrian; U-Pb dating; Montagne Noire; France.

140. SALMHLAOUAR S., FERRE B., CHAABANE KH. The oceanic anoxic event 2 at Es Souabaa (Tebessa, NE Algeria): bio-events and stable isotope study. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 182-18 p.

Keywords: Oceanic anoxic event 2; Cenomanian-Turonian boundary; Filaments; Stable isotopes; TOC; Es Souabaa; Tebessa; Algeria.

141. SVETLITSKAYA T.V., NEVOLKO P.A., KOLPAKOV V. Native gold from the Inagli Pt-Au placer deposit (the Aldan shield, Russia): geochemical characteristics and implications for possible bedrock sources. *Mineralium Deposita*; vol. 53, n° 3, 2018, p. 323-338.

Keywords: Placer gold; Gold morphology; Gold composition; Microchemical characterization; Inagli; Aldan shield; Russia.

142. TOUBI N-E-H., MEZGHACHE H. Géochimie et géostatistique de l' Hauterivien inférieur et des minéralisations à Zn-Pb associées dans le gisement de Chaabet el Hamra – Bassin du Hodna-Algérie. *Bull. Serv. Géol. Algérie*; vol. 28, n° 1-2, 2018, p. 67-92.

Mots-clés: Géochimie; Géostatistique; Zn/Pb; Chaabet el Hamra; Bassin du Hodna; Algérie.

143. UVAROVA Y.A., PEARCE M.A., LIU W. Geochemical signatures of copper redistribution in IOCG-type mineralisation, Gawler craton, South Australia. *Mineralium Deposita*; vol. 53, n° 3, 2018, p. 477-492.

Keywords: Mineralisation; Geochemistry; Paragenesis; Chlorite chemistry; Chalcopyrite; Gawler craton; South Australia.

HYDROLOGIE

144. AIMIN W., LUCIO M., RONG M. Common and different features of Chinese and Italian hydrogeological mapping guidelines. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 105-111.

Keywords: Hydrogeology; Hydrogeological mapping; Comparative research; China; Italy.

145. ALI RAHMANI S.E., CHIBANE B. Delineation of potential recharge area using a hybrid model, case of Djelfa Hadjia watershed. *Arabian Journal of Geosciences*; vol. 11, n° 9, 2018, 214-16 p.

Keywords: Groundwater recharge; Hybrid model; Potential area of recharge; Environmental assessment; Water resources management; Djelfa Hadjia; Algeria.

146. BEN MOUSSA A., SALEM S.B.H., ZOUARI K. Hydrochemical and stable isotopic investigation of groundwater quality and its sustainability for irrigation in the Hammamet-Nabeul Basin, Northeastern Tunisia. *Arabian Journal of Geosciences*; vol. 10, n° 20, 2017, 446-13 p.

Keywords: Water-rock interaction; Pollution; Irrigation return flow; Suitability; Recent recharge; Paleoclimatic recharge; Hammamet-Nabeul; Northeastern Tunisia.

147. BESSER H., MOKADEM N., REDHOUANIA B. GIS-based evaluation of groundwater quality and estimation of soil salinization and land degradation risks in an arid Mediterranean site (SW Tunisia). *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 350-20 p.

Keywords: CI; Heavy metals; Land degradation; Groundwater quality; Chotts Basin; SW Tunisia; Algeria; Arid Mediterranean site.

148. BORJI M., NIA A.M., MALEKIAN A. Comprehensive evaluation of groundwater resources based on DPSIR conceptual framework. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 158-13 p.

Keywords: DPSIR; Groundwater resources; Systematic approach; Climate change; Cropping pattern change; Iran.

149. BOUDERBALA A. Assessment of groundwater quality and its suitability for domestic and agricultural uses in Low-Isser plain, Boumerdes, Algeria. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 333-13 p.

Keywords: Drinking water; Irrigation; Alluvial plain; Water quality index; Hydrogeochemistry; Low-Isser aquifer; Boumerdes; Algeria.

150. BOUGHARIOU E., BAHLOUL M., JMAL I. Hydrochemical and statistical studies of the groundwater salinization combined with MODPATH numerical model: case of the Sfax coastal aquifer, Southeast Tunisia. *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 69-13 p.

Keywords: MODPATH model; Climate change; Seawater intrusion; Coastal aquifer; Water resources; Sfax; Tunisia.

151. BOULAL M., BOULANOUAR M., GHAMIZI M. Qualité de l'eau et faune aquatique des puits dans la région de Tiznit (Anti-Atlas occidental, Maroc). *Bull. Soc. Hist. Nat Toulouse*; t. 153, 2017, p. 25-41.

Keywords: Faune aquatique des puits; Qualité de l'eau; Caractéristique physico-chimiques de l'eau; Espèces indicatrices; Espèces stygobies; Tiznit; Maroc.

152. DUVAIL S., HAMERLYNCK O., PARON P. The changing hydro-ecological dynamics of rivers and deltas of the western Indian ocean: anthropogenic and environmental drivers, local adaptation and policy response. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 269-279.

Keywords : Deltas; Dams; Flood; Ecosystems; Livelihoods.

153. EZZINE A., DARRAGI F., RAJHI H. Evaluation of sentinel-1 data for flood mapping in the upstream of Sidi Salem dam (Northern Tunisia). *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 170-9 p.

Keywords: SAR; Flood mapping; Sentinel-1; Polarization; Medjerda Basin; Tunisia; Algéria.

154. FATOBA J.O., SANUADE O.A., HAMMED O.S. The use of multivariate statistical analysis in the assessment of groundwater hydrochemistry in some parts of Southwestern Nigeria. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 328-11 p.

Keywords: Hydrochemistry; Groundwater quality; Multivariate statistics; Cluster analysis; Nigeria.

155. FERCHICHI H., FARHAT B., BEN-HAMOUDA M.F. Understanding groundwater chemistry in Mediterranean semi-arid system using multivariate statistics techniques and GIS methods : case of Manouba aquifer (Northeastern Tunisia). *Arabian Journal of Geosciences*; vol. 10, n° 23, 2017, 530-15 p.

Keywords: Groundwater salinization; Hydro-geochemistry; Statistics; Plio-Quaternary aquifer; Northern Tunisia.

156. FOONG L.K., ABD RAHMAN N., NAZIR R. Study of aqueous and non-aqueous phase liquid in fractured double-porosity soil using digital image processing. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 55-64.

Keywords: Groundwater pollution; Fracture porous media; Saturation; Liquid migration; Digital image analysis.

157. GUEZGOUZ N., BOUTOUTAOU DJ., ZEGGANE H. Multivariate statistical analysis of the groundwater flow in shallow aquifers : a case of the basins of Northern Algeria. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 336-8 p.

Keywords: Multivariate statistical; Principal component analysis; Groundwater flow; Basins of Northern Algeria.

158. JEMAI H., ELLOUZE M., ABIDA H. Spatial and temporal variability of rainfall: case of Bizerte-Ichkeul Basin (Northern Tunisia). *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 177-12p.

Keywords: Precipitation; Standardized precipitation ratio; Continuous wavelets; Bizerte-Ichkeul basin; Tunisia.

159. JERBI H., MASSUEL S., LEDUC CH. Assessing groundwater storage in the Kairouan plain aquifer using a 3D lithology model (Central Tunisia). *Arabian Journal of Geosciences*; vol. 11, n° 10, 2018, 236-10 p.

Keywords: Groundwater storage; Groundwater availability; Lithology model; Semi-arid; Kairouan; Tunisia.

160. KESSASRA F., MESBAH M., KHEMISSA Z. Combined hydrogeological and nitrate modelling to manage water resources of the Middle Soummam aquifer, Northeast of Algeria. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 368-20 p.

Keywords: Hydrogeological model; Nitrates model; Water management; Alluvial aquifer; Middle Soummam; Algeria.

161. KHELFI A.E., TOUAIBIA B., GUASTALDI E. Regionalisation of the « intensity-duration-frequency » curves in Northern Algeria. *Arabian Journal of Geosciences*; vol. 10, n° 20, 2017, 441-13 p.

Keywords: IDF; b Montana; Collocated co-kriging; Maximum annual rain; Climatic parameter; Northern Algeria.

162. KIM M., KIM I., KIM H. Naturally occurring radioactive materials (NORM) in the groundwater of two islands with various geologic settings in South Korea. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 91-95.

Keywords: Geologic setting; Groundwater; Uranium-238; Radon-222; South Korea.

163. KNOUZ N., BOUDHAR A., BACHAOUI E.M. Comparative approach of three popular intrinsic vulnerability methods: case of the Beni Amir groundwater (Morocco). *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 281-11 p.

Keywords: Intrinsic vulnerability; Groundwater; GIS; DRSTI; DRASTIC; GOD; Beni Amir; Morocco..

164. LACHAAL F., BEN MESSAOUD R., JELLALIA D. Impact of water resources management on groundwater hydrochemical changes: case of Grombalia shallow aquifer, NE of Tunisia. *Arabian Journal of Geosciences*; vol. 11, n° 12, 2018, 304-15 p.

Keywords: Groundwater rise; Salinization; Nitrate contamination; Anthropogenic activities; Geochemical multi-tracer; Return-flow; Grombalia; Tunisia.

165. MAHREZ B., KLEBINGAT S., HOUHA B. GIS-based GALDIT method for vulnerability assessment to seawater intrusion of the Quaternary coastal Collo aquifer (NE Algeria). *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 71-14 p.

Keywords: Aquifer vulnerability; Seawater intrusion; GALDIT; GIS; Collo; Algeria.

166. MEAD D.J. Protecting the karst Te Waikoropupu springs in New Zealand. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 113-119.

Keywords: Water quality; Nitrate; Dairy farming; Environmental protection; Conservation order; New Zealand.

167. MOHALLEL S.A., GOMAA M.A. Studying the impacts of groundwater evolution on the environment, west Qena city, Egypt. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 372-13 p.

Keywords: Groundwater; Water quality; Western; West Qena city; Egypt.

168. OKONSKA M., PIETREWICZ K. Identification of a mathematical model and parameter estimation of erythromycin migration in two different porous media, based on column tests. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 47-53.

Keywords: Groundwater; Erythromycin; Sorption; Optimization.

169. OSSA J.V., BETANCUR T., DUQUE J. Physical, chemical and biological characterization as support for water governance in a hydrogeological system of Colombia. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 97-104.

Keywords: Layered aquifer; Groundwater management; Conceptual hydrogeological models; Sustainability; Colombia.

170. REDDY A.G.S., REDDY D.V., NAIK P.K. Evaluation of hydrochemical variations in coastal alluvial aquifers of Prakasam district, A.P, India. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 321-14 p.

Keywords: Phreatic aquifers; Coastal alluvium; Hydrogeochemistry; Evaporation; Salinization; Nitrate contamination; Prakasam; India.

171. SARDOU M., MAOUCHE S., SABEUR B. The November 26 and 27, 1927 devastating flood event

(NW Algeria): characterization and reconstruction using historical data. *Arabian Journal of Geosciences*; vol. 11, n° 10, 2018, 229-15 p.

Keywords: Flood; Historical data; Dam failure; Northwestern Algeria.

172. SHIRAHATA K., YOSHIMOTO S., TSUCHIHARA T. Heterogeneous hydraulic properties of an insular aquifer clarified by a tidal response method with simple decomposition techniques. *Geologia Croatica*; vol. 71, n° 2, 2018, p. 83-90.

Keywords: Freshwater-lens aquifer; Nonrecursive digital filtering; Discrete fourier transform; Tidal response method; Hydraulic heterogeneity.

GEOPHYSIQUE

173. ABOUDA M, BOUHADAD Y, BENFEDDA A. Seismotectonic and seismological aspects of the Mostaganem (Western Algeria) May 22, 2014 (Mw 4.9) seismic event. *Arabian Journal of Geosciences*; vol. 11, n° 3, 2018, 57-9 p.

Keywords: Earthquake; Faulted folds; Accelerograph records; Waveforms inversion; Mostaganem; Western Algeria.

174. AL-GARNI M.A. Inversion of magnetic anomalies due to isolated thin dike-like sources using artificial neural networks. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 337-10 p.

Keywords: Magnetic; Neural network; Inversion; Thin dike.

175. AMENNA M., DERDER M.EM., HENRY B. Chemical remagnetization acquisition processes: case study of the Saharan basins (Algeria). *Arabian Journal of Geosciences*; vol. 10, n° 17, 2017, 379-17 p.

Keywords: Paleomagnetism; Ordovician-Silurian; Chemical remagnetizations; Cenozoic; Saharan basins; Algeria.

176. ANDRE PH. Interstellar filaments and star formation. *C. R. Acad. Geoscience*; vol. 349, n° 5, 2017, p. 187-197.

Keywords : Stars formation; ISM clouds; ISM filaments; ISM structure; Submillimeter.

177. BENAÏSSA M., BERGUIG M.C., DOUMBIA V. The equatorial electrojet (EEJ) current deduced from champ satellite and ground magnetic measurements in West Africa. *Arabian Journal of Geosciences*; **vol. 10, n° 15, 2017, 329-12 p.**

Keywords: Equatorial electrojet; Electric field and currents; Ground magnetic station measurements; Champ satellite; West Africa.

178. CHAULAGAIN H., RODRIGUES H., VARUM H. Generation of spectrum-compatible acceleration time history for Nepal. *C. R. Acad. Geoscience*; **vol. 349, n°5, 2017, p. 198-201.**

Keywords : Artificial accelerogram; Spectral matching; Gorkha earthquake; Kathmandu valley; Nepal.

179. EZERSKY M.G., FRUMKIN A. Evaluation and mapping of dead sea coastal aquifers salinity using transient electromagnetic (TEM) resistivity measurements. *C. R. Acad. Geoscience*; **vol. 349, n° 1, 2017, p. 1-11.**

Keywords : Coastal aquifers; Dead Sea ; Karst ; Resistivity ; Salt water/fresh water interface ; Transient electromagnetic method.

180. HADILOO S., HASHEMI H., MIRZAEI S. SeisART software: seismic facies analysis by contributing interpreter and computer. *Arabian Journal of Geosciences*; **vol. 10, n° 23, 2017, 519-9 p.**

Keywords: Software; Seismic facies analysis; Seismic attributes; Supervised classification; Unsupervised clustering; Fuzzy system.

181. HÄUSLER H., CHWATAL W., SCHEIBZ J. The Winden syncline-a tectonic half-garden in the transition between the Lower Austroalpine and the northwestern Pannonian Basin (Northern Burgenland, Austria). *Z. Dt. Ges ; Geowiss. (German J. Geol.)*; **vol. 169, n° 1, 2018, p. 3-25.**

Keywords: High resolution geophysics; Extensional regime; Leitha mountains; Hackelsberg block; Winden syncline; Austria.

182. HE CH., SANTOSH M. Intraplate earthquakes and their link with mantle dynamics: insights from P-wave teleseismic tomography along the northern part of the North-South tectonic zone in China. *C. R. Acad. Geoscience*; **vol. 349, n° 3, 2017, p. 96-105.**

Keywords : Earthquakes; Upper mantle; P-wave teleseismic tomography; Crustal and lithospheric delamination; North-South tectonic zone; China.

183. ISA SAID A., FARMAN M.S. Re-evaluations of seismic hazard of Iraq. *Arabian Journal of Geosciences*; **vol. 11, n° 11, 2018, 279-19 p.**

Keywords: Data processing; Independent events; PGA; Spectral accelerations; Seismic hazard; Iraq.

184. JALALI M., RAMAZI H. Statistical and geostatistical approaches to study spatiotemporel uncertainties in earthquake catalog databases. *Arabian Journal of Geosciences*; **vol. 10, n° 15, 2017, 326-14 p.**

Keywords: Earthquake catalog; Spatiotemporal problems; Synthetic catalog; Time normalization; Geostatistical simulation; Hidden seismic pattern.

185. KHAJOUÉ M., NIKROUZ R., GOUDARZI A. Application of undecimated discrete wavelet transforms (UDWT) for seismic refraction velocity analysis improvement. *Arabian Journal of Geosciences*; **vol. 11, n° 11, 2018, 245-16 p.**

Keywords: Refraction studies; Wavelet analysis; Undecimated discrete wavelet transform (UDWT); First arrival time; Velocity model.

186. KHOUAS A., HAMOUDI M., KHALDAOUI F. Subsurface geophysics applied to archaeological investigation of Thabudeos Roman fortress (Biskra, Algeria). *Arabian Journal of Geosciences*; **vol. 10, n° 23, 2017, 522-15 p.**

Keywords: Geophysics; Archaeology; Electromagnetics; EM31; Electrical resistivity tomography; Tahouda; Thabudeos; Biskra; Algeria.

187. LOPES F., LE MOUËL J.-L., GIBERT D. The mantle rotation pole position. A solar component. *C. R. Acad. Geoscience*; **vol. 349, n° 4, 2017, p. 159-164.**

Keywords : Earth's rotation axis; Mantle rotation; Pole position; Solar activity; Mean winds.

188. MAHBUBY H., SAFARI A., FOROUGHI I. Local gravity field modeling using spherical radial basis functions and a genetic algorithm. *C. R. Acad. Geoscience*; **vol. 349, n° 3, 2017, p. 106-113.**

Keywords : Radial basis functions; Local gravity field; Genetic algorithm; Conjugate gradient; Least squares.

189. OLASUNKANMI N.K., BAMIGBOYE O.S., AINA A. Exploration for iron ore in Agbado-Okudu, Kogi State, Nigeria. *Arabian Journal of Geosciences*; vol. 10, n° 24 2017, 541-12p.

Keywords: Iron ore deposit; Magnetic and gravity anomalies; Primary and secondary causative bodies; Dyke; Lineament; Vertical boreholes; Agbado-Okudu ; Kogi State ; Nigeria.

190. POIRIER J.-P. Le grand séisme de Huaxian (1556) : quelques documents chinois. *C. R. Acad. Geoscience*; vol. 349, n° 2, 2017, p. 49-52.

Mots-clés : Séisme; Shaanxi; Jiajing; Qin Keda; Huaxian; Chine.

191. REHMAN F., ALAMRI A.M., EL-HADY S.M. Seismic hazard assessment and rheological implications : a case study selected for cities of Saudi Arabia along the eastern coast of Red sea. *Arabian Journal of Geosciences*; vol. 10, n° 24, 2017, 540-17 p.

Keywords: Seismic hazard assessment; Rheological implications; Saudi Arabia.

GEOMORPHOLOGIE

192. BOUARFA S., BELLAL S.A. Assessment of the Aeolian sand dynamics in the region of Aïn Sefra (Western Algeria), using wind data and satellite imagery. *Arabian Journal of Geosciences*; vol. 11, n° 3, 2018, 56-16 p.

Keywords: Arid region; Drift potential; Dune form; Effective winds; Sand; Sand encroachment; Aïn Sefra; Western Algeria.

193. DAOUDI M.A., AL-DOAAN M.I., JAMIL A. Geomorphology of the Al Wahbah crater at Harrat Kishb west of the Kingdom of Saudi Arabia. *Arabian Journal of Geosciences*; vol. 11, n° 12, 2018, 297-13 p.

Keywords: Caldera geomorphology; Sediments; Harrat Kishb; Al Wahbah crater; Saudi Arabia.

194. DOKE A., PARDESHI S.D., PARDESHI S.S. Identification of morphogenetic regions and respective geomorphic processes: a GIS approach. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 20-13 p.

Keywords: Morphogenetic region; Weathering; Rainfall; SRTM; GIS; Maharashtra; India.

195. DUPONT N., QUINIF Y., DUBOIS C. Le système karstique de Sprimont (Belgique). Holotype d'une spéléogénèse par fantômisation. *Bull. Soc. Géol. France – Earth Sciences Bulletin*; t. 189, n° 1, 2018, 1-22 p.

Mots-clés: Karstogénèse; Fantômes de roche; Spéléogénèse; Système karstique perte-résurgence; Sédiments souterrains; Belgique.

196. GHASEMIFAR E., FARAJZADEH M., RAHIMI Y.G. Precipitation rate climatology related to different cloud types using satellite imagery over Iran. *Arabian Journal of Geosciences*; vol. 11, n° 4, 2018, 78-15 p.

Keywords: MODIS cloud type; ISCCP cloud types; Precipitation; Iran.

197. LANDAIS A., CASADO M., PRIE F. Surface studies of water isotopes in Antarctica for quantitative interpretation of deep ice core data. *C. R. Acad. Geoscience*; vol. 349, n° 4, 2017, p. 139-150.

Keywords : Ice core; Water isotopes; Antarctica.

198. REN L., HUANG J., HUANG Q. A fractal and entropy-based model for selecting the optimum spatial scale of soil erosion. *Arabian Journal of Geosciences*; vol. 11, n° 8, 2018, 161-7 p.

Keywords: Soil erosion; Scale effect; Optimum scale; Entropy; Fractal.

199. SAADOUD DJ., GUETTOUCHE M.S., HASSANI M. Modelling wind-erosion risk in the Laghouat region (Algeria) using geomatics approach. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 363-19 p.

Keywords: Soil; Wind erosion; GIS; Remote sensing; Risk; Laghouat; Algeria.

200. SPADA G., GALASSI G. Extent and dynamic evolution of the lost and aquaterra since the last glacial maximum. . *C. R. Acad. Geoscience*; vol. 349, n° 4, 2017, p. 151-158.

Keywords : Paleogeography; Sea-level change; Glacial isostatic adjustment.

201. ABD EL-AAL A.K., MASOUD A.A. Impacts of karst phenomena on engineering properties of limestone foundation bed, Ar Riyadh, Saudi Arabia. *Arabian Journal of Geosciences*; vol. 10, n° 15, 2017, 347-17 p.

Keywords: Karsts; Mechanical and petrophysical properties; Ar Riyadh area; Saudi Arabia.

202. CHAKRABORTY A., GOSWAMI D. Prediction of slope stability using Multiple Linear Regression (MLR) and Artificial Neural Network (ANN). *Arabian Journal of Geosciences*; vol. 10, n° 17, 2017, 385-11 p.

Keywords: Slope stability; Multiple regression analysis; Artificial neural network; Shear strength; Finite element; Method.

203. CHEIKH LOUNIS G., MIMOUNI O., MACHANE DJ. The El Achour (Algiers, Algeria) landslide delimitation using the H/V ambient vibration method. *Arabian Journal of Geosciences*; vol. 10, n° 18, 2017, 398-10 p.

Keywords: Landslide; H/V method; Seismic ambient vibration; Rupture surfaces; Geotechnical; Algiers; Algeria.

204. CHEN S., QIAO CH. Composite damage constitutive model of jointed rock mass considering crack propagation length and joint friction effect. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 283-11 p.

Keywords: Drucker-prager criterion; Non-persistent jointed rock mass; Crack propagation length; Damage constitutive model.

205. HEBIB R., BELHAI D., ALLOUL B. Estimation of uniaxial compressive strength of North Algeria sedimentary rocks using density, porosity, and Schmidt hardness. *Arabian Journal of Geosciences*; vol. 10, n° 17, 2017, 383-13 p.

Keywords: Petrography; Sandstones; Limestones; Correlations; Prediction; Coefficient of determination; North Algeria.

206. KHODARY S.M., NEGM A.M., TAWFIK A. Geotechnical properties of the soils contaminated with oils, landfill leachate, and fertilizers. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 13-17 p.

Keywords: Geotechnical properties; Oil contamination; Landfill leachate; Fertilizers.

207. LIU W., ZHU X., LI B. The rock breaking mechanism analysis of rotary percussive cutting by single PDC cutter. *Arabian Journal of Geosciences*; vol. 11, n° 9, 2018, 192-11p.

Keywords: Rotary percussive drilling; Rock breaking mechanism; ROP rising; Hard formation; FEM.

208. MAGNER K., MAERZ N., GUARDIOLA I. Determining optimum number of geotechnical testing samples using Monte Carlo simulations. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 406-19 p.

Keywords: Geotechnical tests; Reliability; Variance analysis; Sampling; Monte Carlo method.

209. NGUYEN TS., LIKITLERSUANG S., OHTSU H. Influence of the spatial variability of shear strength parameters on rainfall induced landslides: a case study of sandstone slope in Japan. *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 369-12 p.

Keywords: Landslides; Unsaturated soil; Rainfall infiltration; Probabilistic analysis; Shear strength parameters; Japan.

210. POURGHASEMI M.R., YANSARI Z.T., PRADHAN B. Analysis and evaluation of landslide susceptibility : a review on articles published during 2005-2016 (periods of 2005-2012 and 2013-2016). *Arabian Journal of Geosciences*; vol. 11, n° 9, 2018, 193-12 p.

Keywords: Landslide susceptibility; Logistic regression; Conditioning factors; Temporal trend; Modeling.

211. SEKFALI N., BELABED L. Reliability of geotechnical structures: case of bearing capacity failure of strip footing. *Arabian Journal of Geosciences*; vol. 11, n° 12, 2018, 296-15p.

Keywords: Geotechnical; Probability of failure; Reliability index; Probabilistic methods; Calculation algorithm.

212. STYPULKOWSKI J.B., BERNARDEAU F.G., JAKUBOWSKI J. Descriptive statistical analysis of TBM performance at Abu Hamour tunnel phase I. *Arabian Journal of Geosciences* ; vol. 11, n° 9, 2018, 191-11 p.

Keywords: EPB TBM; TBM performance; Penetration rate; Field penetration index; Multivariate regression; Neural networks.

213. ZERARKA H., AKCHICHE M., PRUNIER F. Numerical modeling to predict the spread of landslide of schist's area under climatic event of Ain El Hammam (Algeria). *Arabian Journal of Geosciences*; vol. 10, n° 16, 2017, 370-13 p.

Keywords: Landslide; Second-order work; Finite element; Electrical resistivity tomography; Equivalent plastic deviatoric strain; Schist; Ain El Hammam; Algeria.

214. ZHANG Z., XU Q., CHEN J. Geotechnical properties of a transparent glass sand saturated with a blend of mineral oils. *Arabian Journal of Geosciences*; vol. 10, n° 24, 2017, 534-10 p.

Keywords: Transparent sand; Transparency; Visualized model tests; Laboratory tests.

ENVIRONNEMENT

215. ADOUM A.A., MOULIN P., BROSSARD M. Pioneering assessment of carbon stocks in polder soils developed in inter-dune landscapes in a semiarid climate, lake Chad. *C. R. Acad. Geoscience*; vol. 349, n° 1, 2017, p. 22-31.

Keywords : Organic carbon, Inorganic carbon; Soil bulk density ; Clayey soils; Fluvisols; Marshland; Chad.

216. ALI YALIM H., GÜMÜS A., BASARAN C. Comparison of radon concentrations in soil gas and indoor environment of Afyonkarahisar province. *Arabian Journal of Geosciences*; vol. 11, n° 11, 2018, 246- 6 p.

Keywords: Soil gas radon; Indoor radon; Geological structure; Afyonkarahisar; Turkey.

217. ALMAKKI A., ESTEVES K., VANHOVE A.S. A new methodology to assess antimicrobial resistance of bacteria in coastal waters; pilot study in a Mediterranean hydrosystem. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 310-318.

Keywords : Bacterial communities; Surface waters; Resistance to antibiotics; Community inhibitory concentration; Taxonomic richness; Mediterranean sea.

218. ARAUJO D.F., PERES L.G.M., YEPEZ S. Assessing man-induced environmental changes in the Sepetiba Bay (Southeastern Brazil) with geochemical and satellite data. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 290-298.

Keywords : Estuarine pollution ; Metal contamination; Biogeochemical processes; Coastal zone; Applied geochemistry; Sepetiba Bay; Brazil.

219. BEN AMOR R., ABIDI M., GUEDDARI M. Trace metal contamination by phosphogypsum discharge in surface and core sediments of the Gabes coast area (SE of Tunisia). *Arabian Journal of Geosciences*; vol. 11, n° 9, 2018, 207-15 p.

Keywords: Metals; Surface sediment; Core sediment; Geoaccumulation index; Contamination factor; Statistical analyses; Phosphogypsum; Gabes; Tunisia.

220. BESSET M, ANTHONY E.J, DUSSOUILLEZ PH. The impact of cyclone Nargis on the Ayeyarwady (Irrawaddy) river delta shoreline and nearshore zone (Myanmar) : towards degraded delta resilience?. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 238-247.

Keywords : Delta shoreline erosion; Delta resilience; D Brielta vulnerability; Ayeyarwady river delta; Cyclone Nargis.

221. BELHADJ H, AUBERT D, DALI YUCEF N. Geochemistry of major and trace elements in sediments of Ghazaouet bay (Western Algeria) : an assessment of metal pollution. *C. R. Acad. Geoscience*; vol. 349, n° 8, 2017, p. 412-421.

Keywords : Trace elements; Sediments; Pollution; Ghazaouet bay; Algeria.

222. BRIK B., AYDI A., RIAHI CH. Contamination levels and vertical distribution of trace metals with application of geochemical indices in the sediment cores of the Bizerte Lagoon-Ichkeul lake complex in northeastern Tunisia. *Arabian Journal of Geosciences*; vol. 11, n° 2, 2018, 23-15 p.

Keywords: Vertical distribution; Potentially toxic metals; Geochemical indices; Bizerte Lagoon-Ichkeul lake complex; Tunisia.

223. CLAEYS C., ARNAUD A., LAMBERT M.-L. The impact of legal vulnerability on environmental inequalities. A case study of coastal populations in Guadeloupe (French Antilles). *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 351-358.

Keywords : Coastal hazards; Environmental inequalities; Legal vulnerability; Postcolonialism; Postslavery; Interdisciplinary; Guadeloupe; French Antilles.

224. CORMIER-SALEM M.-CH., TRAI N.V., BURGOS A. The mangrove's contribution to people: interdisciplinary pilot study of the Can Gio Mangrove biosphere reserve in Vietnam. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 341-350.

Keywords : Ecosystem services; Biodiversity; Local knowledge; Coastal environment; Interdisciplinary framework; Mangrove; Vietnam.

225. GRENZ CH., FICHEZ R., SILVA C.A. Benthic ecology of tropical coastal lagoons: environmental changes over the last decades in the Terminos Lagoon, Mexico. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 319-329.

Keywords : Multidisciplinary study; Ecosystem; Estuaries; Coastal lagoon; Terminos Lagoon; Mexico.

226. HOJATI S. Pollution assessment and source apportionment of arsenic, lead and copper in selected soils of Khuzestan province, Southwestern Iran. *Arabian Journal of Geosciences*; vol. 10, n° 23, 2017, 528-13 p.

Keywords: Anthropogenic; Geo-accumulation index; Enrichment factor; Multivariate analysis; Khuzestan province; Southwestern Iran.

227. MAZE C., DAHOU T., RAGUENEAU O. Knowledge and power in integrated coastal management. For a political anthropology of the sea combined with the sciences of the marine environment. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 359-368.

Keywords : Power; Political sciences; Anthropology; Natural sciences; Systemic management; Governance of the sea.

228. MICHEL G., DUPRE S., BALTZER A. Pockmarks of the South Aquitaine margin continental slope : the seabed expression of past fluid circulation and former bottom currents. *C. R. Acad. Geoscience*; vol. 349, n° 8, 2017, p. 391-401.

Keywords : Fluid; Seabed morphology; GIS; Currents; Pockmark; Aquitaine slope.

229. MOHAMED A.-S., LEDUC CH., MARLIN CH. Impacts of climate change and anthropization on groundwater resources in the Nouakchott urban area (coastal Mauritania). *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 280-289.

Keywords: Anthropization; Coastal aquifer; Urban flood; Semi-arid areas; Nouakchott; Mauritania.

230. NKOUMBOU CH, GENTRY F.C, NUMBEM J.T. Petrology and geochemistry of REE-rich Mafé banded iron formations (Bafia group, Cameroon). *C. R. Acad. Geoscience*; vol. 349, n° 4, 2017, p. 165-174.

Keywords : BIF (banded iron formation); Geochemistry; Petrology; Bafia; Cameroon.

231. RIO M., SALLES CH., RODIER C. An empirical model to quantify fecal bacterial loadings to coastal areas: application in a Mediterranean context. *C. R. Acad. Geoscience*; vol. 349, n° 6-7, 2017, p. 299-309.

Keywords: Fecal indicator bacteria; Rainfall; Antecedent precipitation index; Linear regression; Uncertainties; Bathing and fishing waters; Mediterranean sea.

232. TASSONGWA B., EBA F., NJOYA D. Physico-chemistry and geochemistry of Balengou clay deposit (West Cameroon) with inference to an argillic hydrothermal alteration. *C. R. Acad. Geoscience*; vol. 349, n° 5, 2017, p. 212-222.

Keywords : Halloysite; Mineralogy; Geochemistry; Advanced argillic hydrothermal alteration; Balengou; Cameroon.

METHODOLOGIE

233. AGRAWAL S., GUPTA R.D. Web GIS and its architecture: a review. *Arabian Journal of Geosciences*; vol. 10, n° 23, 2017, 518-13p.

Keywords: GIS; Web; Architecture; Client server; SOA; Cloud computing.

234. TETAK F. Simple processing and retiling of the oriented lineations and its application in paleocurrent analysis. *Mineralium Slovaca*; vol. 50, n° 1, 2018, p. 47-54.

Keywords: Geological methods; Sedimentology; Structural geology; Paleocurrent analysis; Western Carpathians.

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NOUVELLES ACQUISITIONS DE LA BST EN OUVRAGES DE BASE

GEOLOGIE GENERALE

1. WEVER DE P. , BUONCRISTIANI J.-F. Le Beau Livre de la Terre. De la formation du système solaire à nos jours. **Ed. Dunod ; 2017, 413 p.**

Mots-clés: Géologie; Histoire de la terre .

GEOLOGIE MINIERE

2. NASSIRI O. Apport de la modélisation 3D par DATAMINE dans la valorisation minière. L'Apport du SIG dans la valorisation des structures fluorifères de la mine d'Achemmach (Maroc central). **Editions Universitaires Européennes ; 2017, 124 p.**

Mots-clés: Métallogénie; Structure; Géologie; Ressource; Exploitation; Exploration; Etude géoéconomique; SIG; Base de donnée; Logiciel DATAMINE; Achemmach; Maroc central.

GEOPHYSIQUE

3. DENTITH M., MUDGE S.T. Geophysics for the mineral exploration geoscientist. **Ed. Cambridge; 2014, 438 p.**

Keywords: Geophysics; Earth scientists; Gravity; Magnetic methods; Radiometric method; Electrical methods ; Electromagnetic methods; Seismic method.

4. REEVES C. Aeromagnetic surveys. Principales, practice & interpretation. **Ed. Geosoft; 2005, Pagination multiple.**

Mots-clés: Aeromagnetic survey; Magnetic fields; Magnetometers; Airborne methods.

DICTIONNAIRE

5. FOUCAULT A., RAOULT J.-F., CECCA F., PLATEVOET B. Dictionnaire de géologie. 8 Editions. **Ed. Dunod; 2014, 396 p.**

Mots-clés: Géologie; Science de la Terre; Terminologie .

6. LEROI-GOURHAN A. Dictionnaire de la pré-histoire. **Ed. Quadrige/Puf; 2012, 1277 p.**

Mots-clés: Préhistoire; Terminologie.

7. RIPERT P. Dictionnaire illustré d'archéologie. Sculpture, architecture...art roman, art gothique... tout pour comprendre le message des pierres. **Editions de la Seine; 1999, 334 p.**

Mots-clés: Archéologie.; Décoration; Technique; Histoire monumentale.

DIVERS

8. BENCHEMAM F., GALINDO G. Mémentos LMD . Gestion des ressources humaines. 5^{ème} édition. **Gualino Iextenso éditions; 2015, 185 p.**

Mots-clés: GRH; Cadre juridique; Cadre social; Cadre économique des entreprises; Management.

9. MULLENDERS A. E-DRH outil de gestion innovant. La théorie, les progiciels, le cadre juridique. **Ed. De boeck; 2009, 330 p.**

Mots-clés: Ressource humaine; Management; Gestion; Logiciel; Prologiciel; Législation.

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