

**Special volume *J. Afr. Earth Sci. (Elsevier)***  
**"Precambrian Geology of West African Craton for Sustainable Development"**

List of scheduled papers: **green: submitted, under review**; **yellow: in press, vol.148**

Fall M., D. Baratoux, P.M. Ndiaye, M. Jessell, L. Baratoux, 2018. Multi-scale distribution of Potassium, Thorium and Uranium in Paleoproterozoic granites from eastern Senegal. *J. African Earth Sci.*, doi:[10.1016/j.jafrearsci.2018.03.026](https://doi.org/10.1016/j.jafrearsci.2018.03.026)

Dabo M., Aïfa T., Gassama I., Ngom P.M., 2018. Thrust to transpression and transtension tectonics during the Paleoproterozoic evolution of the Birimian Greenstone Belt of Mako, Kédougou-Kéniéba Inlier, Eastern Senegal. *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2018.05.010](https://doi.org/10.1016/j.jafrearsci.2018.05.010).

Manjate V. A., Tasssinari, C.C.G., 2018. Zircon U-Pb chronology and Nd isotope systematics of the Guro Suite granitoids, Mozambique: Implications for Neoproterozoic crust reworking events. *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2018.05.012](https://doi.org/10.1016/j.jafrearsci.2018.05.012)

Ilboudo H., Sawadogo S., Traoré A.S., Sama M., Wenmenga U., Lompo M., 2018. Intrusion-related gold mineralization: Inata gold deposit, Bélahourou district, Northern Burkina Faso (West Africa). *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2018.05.015](https://doi.org/10.1016/j.jafrearsci.2018.05.015)

Sawadogo S., Naba S., Ilboudo H., Traoré A.S., Nakolendoussé S., Lompo M., 2018. The Belahourou granite pluton (Djibo greenstone belt, Burkina Faso) : emplacement mechanism and implication for gold mineralization along a shear zone. *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2018.04.009](https://doi.org/10.1016/j.jafrearsci.2018.04.009)

Jessell M., Baratoux D., Siebenaller L., Hein K., Maduekwe A., Ouedraogo F.M., Baratoux L., Diagne M., Cucuzza J., Seymon A., Sow E.H., 2018. New Models for Geoscience Higher Education in West Africa. *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2017.12.011](https://doi.org/10.1016/j.jafrearsci.2017.12.011)

Kouamelan, A.N., Kouassi Serge, K.R.A., Djro, S.C., Paquette, J.L., Peucat, J.J., 2018. The Logoualé Band: A large Archean crustal block in the Kenema-Man domain (Man- Leo rise, West African Craton) remobilized during Eburnean orogeny (2.05 Ga). *J. African Earth Sci.*, doi: [10.1016/j.jafrearsci.2017.09.004](https://doi.org/10.1016/j.jafrearsci.2017.09.004)

Ndime, E.N., Ganno, S., Tamehe, L.S., Nzenti, J.P., 2018. Petrography, lithostratigraphy and major element geochemistry of Mesoarchean metamorphosed banded iron formation-hosted Nkout iron ore deposit, north western Congocraton, Central West Africa. *J. Afr. Earth Sci.*, doi: [10.1016/j.jafrearsci.2018.06.007](https://doi.org/10.1016/j.jafrearsci.2018.06.007)

**- Geochemistry and provenance studies of clastic sedimentary rocks from the Cenozoic Agbada Formation, Niger Delta Basin, Southern Nigeria: Implications for tectonic environment**

J.E. Ogala <sup>1</sup>, P.C. Omekeh <sup>2</sup>, I.M. Akaegbobi <sup>3</sup>, O.I. Ejeh <sup>1</sup>, O.O. Omo-Irabor <sup>4</sup>, E.P. Ehijene <sup>1</sup>, I.F. Ikechukwu <sup>1</sup>, B. Ekpebabor <sup>1</sup>, A.A. Eruwedede <sup>1</sup>, E.P. Ekpe <sup>1</sup>

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**- Mechanical mixing of garnet pyroxenite layers and surrounding Iherzolite: massif of Beni Bousera (Internal Rif, Morocco)**

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**- Birimian deformation in Sirba greenstone belt (Liptako, Niger): characterization and relationship with gold mineralization.**

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**- Using hydrochemical and stable isotope methods to understand groundwater mineralization and recharge processes in eastern upper-Volta Basin: Pendjari catchment aquifers (northwestern Benin)**

Were Gedeon Sambienou<sup>1,\*</sup>, Abdoukarim Alassane<sup>1</sup>, Kodjo Apelete Raoul Kpegli<sup>1</sup>, Rim Trabelsi<sup>2</sup>, Moussa Boukari<sup>1</sup>, Kame Zouari<sup>2</sup>, Daouda Mama<sup>1</sup>, Yao Yelidji Joël Tossou<sup>3</sup>, Christophe Kaki<sup>4</sup>  
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**- The Eburnean granitoids of the Mako Birimian Greenstone Belt, Kédougou-Kéniéba Inlier, Eastern Senegal**

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**- Characterization of the pan-African mobile belt basement deformation in Southern Maradi (South Niger), relationship with gold mineralization.**

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**- Hydrothermal activity related to the gold mineralization in the Bonikro deposit, Birimian Fettekro belt, Côte d'Ivoire**

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**- Geodynamics and mineralizations of Birimian terrains (West African Craton) for a sustainable development**

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**- Geology, Hydrogeology, hydrogeochemical modeling and prediction of water pollution of alluvial aquifer of the Soummam Valley, North-east of Algeria**

Farès Kessasra<sup>1,2,3,\*</sup>, Mohamed Mesbah<sup>2</sup>, Nor El Houda Chetibi<sup>1</sup>, Soumia Seraoui<sup>1</sup>, Zineb Khemissa<sup>1</sup>, Noussaïba Bouab<sup>1</sup>, Soumia Khaled-Khodja<sup>3</sup>

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**- Petrographic and Geochemical characterization of the Goaïda Neoproterozoic granitoids (Morocco Central Massif-Western Meseta)**

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**- Groundwater modes recharge and flow in the aquifers of Biskra region (SW of Algeria)**

Nabil Chabour<sup>1,\*</sup>, Mohamed Amine Bechkit<sup>2</sup>, Nasreddine Messaoud Nacer<sup>3</sup>, Hénia Dib<sup>1</sup>, Chaouki Benabbas<sup>1</sup>, Nafaa Brinis<sup>4</sup>

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**- Sm-Nd garnet metamorphic ages in the Bole-Nangodi belt, Ghana**

Baratoux<sup>1,2</sup>, L., Maneiro, K.A., Honn, D., Baratoux<sup>1,2</sup>, D., Baxter, E., Dragovic, B., Block, S., Jessell<sup>1,3</sup>, M.W.

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**- Risk attenuation and Seismic activity at Nyiragongo and Nyamulagira volcanoes in the Western Branch of the East African rift for DR. Congo**

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**- Geotechnical characterization of Mugara site material, its contribution to the building of Goma town**

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**- Physical volcanological features of pillow lavas from the Palaeoproterozoic Mako Supergroup, Eastern Senegal**

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**- Structural study of gold-bearing shear zone system at the Kedougou-Kenieba Inlier, SE-Senegal: evidences of strain partitioning during the eburnean orogeny**

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**- Use of the covering laterites of the West African Craton in the roadway pavements : case of Senegal**

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**- Geological and structural context of the Bakoudou gold deposit (Gabon)**

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**- Physio-chemical characterization of fluids that produced cobalt mineralization in Bou Azzer (central Anti-Atlas, Morocco)**

Mohamed Bhilisse <sup>1,\*</sup>, Lhou Maacha <sup>2</sup>, V.I. Lebedev <sup>3</sup>, Abdelkhalak Alansari <sup>1</sup>, Aomar Ennaciri <sup>2</sup>, Said Ilmen <sup>1</sup>

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**- Characterization of late-Eburnian orogenic processes by the mechanisms of emplacement of the alkaline plutons of Wayen and Déou (Burkina Faso - West Africa)**

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**- Complex interaction between Strombolian and phreatomagmatic eruptions in the Neogene-Quaternary volcanism of the Middle Atlas Volcanic Field (Morocco)**

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**- The mafic igneous units of the Adrar Souttoug Massif (Sahara, Southern Morocco): Geochemical evidence of late Neoproterozoic Island Arc**

Omar Guillou<sup>1,\*</sup>, Nasrddine Youbi<sup>1,2</sup>, Andreas Gärtner<sup>3</sup>, Michel Villeneuve<sup>4</sup>, Ulf Linnemann<sup>3</sup>, João Mata<sup>2</sup>, Ech-Cherki Rjimat<sup>5</sup>, Abdelkrim El Archi<sup>6</sup>, Hervé Bellon<sup>7</sup>, Moulay Ahmed Boumehdi<sup>1</sup>, Mohamed Khalil Bensalah<sup>1,2</sup>, El Mostapha Aarab<sup>1</sup>

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#### **- Fluid inclusion characteristics of Aniuri and Jonction gold deposits (Aboisso, Southeastern Ivory Coast)**

Yacouba Coulibaly<sup>1</sup>, Marie Christine Boiron<sup>2</sup>, Michel Cathelineau<sup>2</sup>, Kouadio Etienne Assié<sup>3</sup>

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### **Special volume Bull. Inst. Sci. of Rabat (indexed)**

Papers for this volume in progress (green: received, under review)

#### **- Geospatial analysis of alluvial gold content in exploration pits of the Ngoura-Colomines area, Eastern Cameroon: Implications for the exploration of primary gold deposit**

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#### **- Lithostratigraphic Framework to Mesothermal Orogenic Gold Mineralizations: example of the Massawa and Sofia deposits Kedougou-Kenieba Inlier, SE Senegal**

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#### **- Controls on Gold, Rare Metals, Rare Earth Elements deposits in the Hoggar, Tuareg Shield (southern Algeria)**

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#### **- Regolitic, geochemical and structural mapping associated with mineralization investigation west of Dembala Hill prospect within Dembala Berola zone, Dialé-Daléma Supergroup, Kédougou-Kéniéba Inlier, Senegal**

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#### **- Hydrochemistry of the groundwater and superficial waters in the northern part of Brazzaville: Origin and process of water mineralisation**

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#### **- Sedimentology, grain-size, sequence analysis and palaeoenvironments of late Holocene deposit of the Loango Bay in the Kivesso sector (Republic of Congo)**

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