



8- Geodynamic Department

8-2 Gravity Laboratory

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* [Scientific Publication \(National& International\)](#)

K. Abdelmohsen, M. Sultan, A. Mohamed, S. Himanshu, B. Elkaliouby, E. Emil, E. Yan, A. Abotalib, R.V. Krishnamurthy, K. Abdelmalik Response of deep aquifers to climate variability *Sci. Total Environ.*, 677 (2019) (2019), pp. 530-544 <https://doi.org/10.1016/j.scitotenv.2019.04.316> A. Othman, M. Sultan, R. Becker, S. Alsefry, T. Alharbi, E. Gebremichael, H. Alharbi, K. Abdelmohsen, Use of geophysical and remote sensing data for assessment of aquifer depletion and related land deformation *Surv. Geophys.*, 39 (2018), pp. 543-566 <https://doi.org/10.1007/s10712-017-9458-7> M. Sultan, N.C. Sturchio, S. Alsefry, M.K. Emil, M. Ahmed, K. Abdelmohsen, M.M. AbuAbdullah, E. Yan, H. Save, T. Alharbi, A. Othman, K. Chouinard Assessment of age, origin, and sustainability of fossil aquifers: a geochemical and remote sensing-based approach *J. Hydrol. (Amst.)* (2019) <https://doi.org/10.1016/j.jhydrol.2019.06.017> KW Abdelmalik, K Abdelmohsen - GRACE and TRMM mission: The role of remote sensing techniques for monitoring spatio-temporal change in total water mass, Nile basin-*Journal of African Earth Sciences*, 2019

* [Reviews of Papers \(National& International\)](#)

Pure and applied Geophysics *Journal of Remote Sensing*

* [Conferences , Scientific Missions & Workshops](#)

American Geophysical Union (AGU) Geological Society of America (GSA)

* [Projects](#)

Nubian Aquifer

* [Consultancy](#)

NA

* [Supervision of M.Sc. / Ph.D.](#)

NA

* [Books](#)

NA

* [Other](#)

Farouk El-Baz Student Research Award (GSA 2017)