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**Research Area:**

Geological mapping by Remote Sensing

Mineral exploration

Geomorphology

Remote sensing

Geographic Information Systems (GIS)

### **Education:**

Ph.D. Degree in Geology (2009) CEREs “Centre of environmental remote sensing” Chiba University, Japan

M.Sc. Degree in Geology (2003) Geology Department-Faculty of Science -Ain Shams University.

B.Sc. Degree in Geology (1996), Geology Department-Faculty of Science -Ain Shams University

### **Publications:**

* Sahar Mahmoud Ahmed, Mahmoud Abd El-Rahman Ibrahim, Nehal mohamed abdelrahman soliman (2022): Environmental impacts of mining activities in Um Balad - El Urf region; Central Eastern Desert. The First international conference of Remote Sensing and Space science Applications. Hurghada 8-11 december 2022. Presented and published in conf. symposium.
* Ibrahim Abu ElLeil, Mostafa AbuBakr1, Nehal Soliman and Mahmoud Hafez (2021): An Optical and SAR Based Fusion Approach for Enhanced Surface Structural Mapping around Gabal Abu Diyab Area, Central Eastern Desert, Egypt. Remote Sensing. Accepted and underpublication.
* Mahmoud Hafez, Ibrahim Abu El-Leil, Nehal Soliman and Mostafa Abu Bakr (2021): New Fluorite Index Using ASTER Data of Gabal Abu Diyab area, Central Eastern Desert, Egypt. Al-Azhar Bulletin of Science: Section D. Vol. 32, No. 1, (December) 2021
* El-Desoky, H., Soliman, N., Heikal, M., Abdel-Rahman. A., (2021): Mapping hydrothermal alteration zones using Aster images in the Arabian–Nubian Shield: A case study of the northwestern Allaqi District, South Eastern Desert, Egypt. Mapping hydrothermal alteration zones using Aster images in the Arabian–Nubian Shield: A case study of the northwestern Allaqi District, South Eastern Desert, Egypt. (accepted)
* Soliman, N., El-Desoky, H., Mohamed, El Rahmany, M., Maira, H., Fahmy, W. (2021): ASTER Data and mineral studies for mapping the alteration zones at Wadi Sibrit-Wadi Urf Abu Hamam area, South Eastern Desert, Egypt. Middle East Journal of Applied Sciences Volume: 11. 481-521.
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* [Farag, T.](https://www.scopus.com/authid/detail.uri?authorId=57218477749), [Soliman, N.](https://www.scopus.com/authid/detail.uri?authorId=55579786500), [El Shayat, A.](https://www.scopus.com/authid/detail.uri?authorId=57218479269), [Mizunaga, H.](https://www.scopus.com/authid/detail.uri?authorId=6602746256) (2020): [Comparison among the natural radioactivity levels, the radiogenic heat production, and the land surface temperature in arid environments: A case study of the El Gilf El Kiber area, Egypt](https://www.scopus.com/record/display.uri?eid=2-s2.0-85089273634&origin=resultslist). [Journal of African Earth Sciences](https://www.scopus.com/sourceid/31815?origin=resultslist),  172, 103959
* [Zoheir, B.](https://www.scopus.com/authid/detail.uri?authorId=20735994100), [Emam, A.](https://www.scopus.com/authid/detail.uri?authorId=26633675800), [Abd El-Wahed, M.](https://www.scopus.com/authid/detail.uri?authorId=35298419500), [Soliman, N.](https://www.scopus.com/authid/detail.uri?authorId=55579786500) (2019): [Gold endowment in the evolution of the Allaqi-Heiani suture, Egypt: A synthesis of geological, structural, and space-borne imagery data](https://www.scopus.com/record/display.uri?eid=2-s2.0-85066241131&origin=resultslist). [Ore Geology Reviews](https://www.scopus.com/sourceid/25702?origin=resultslist), 110, 102938.
* [Zoheir, B.](https://www.scopus.com/authid/detail.uri?authorId=20735994100), [Emam, A.](https://www.scopus.com/authid/detail.uri?authorId=26633675800), [Abdel-Wahed, M.](https://www.scopus.com/authid/detail.uri?authorId=57216451381), [Soliman, N.](https://www.scopus.com/authid/detail.uri?authorId=55579786500) (2019): [Multispectral and radar data for the setting of gold mineralization in the South Eastern Desert, Egypt](https://www.scopus.com/record/display.uri?eid=2-s2.0-85068118226&origin=resultslist). [Remote Sensing](https://www.scopus.com/sourceid/86430?origin=resultslist), 2019, 11(12), 1450.
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