Dr.Ahmed Abubakr Omar

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Date and Place of Birth	**:**	**September 15, 1987, Cairo, Egypt.**
Nationality	**:**	**Egyptian.**
Marital Status	**:**	**Married.**

- Researcher, Raw Building Materials and Processing Technology Research Institute, Housing & Building National Research Center (HBRC), Egypt.

- Deputy Manager of nanotechnology lab, (HBRC), Egypt.

Experience

- Extensive experience in petrographic examination and Alkali aggregate reaction, Strong background in aggregates assessment, geological Field studies, Ornamental stones and materials characterization. Geological field reconnaissance for quarries and evaluate their suitability for excavation and raw material utilization in building purposes.

Awards

- Silver Medal , 6th Cairo International Exhibition for innovates *(2019)* For using quarries waste to produce Artificial Ornamental Stones.

Education

Ph.D. Geology, (*Utilization of some Egyptian Limestone as ornamental stones and coarse aggregates*) Geology department, Faculty of science, Ain Shams University, Egypt *2020*.

M.S. Geology (*Sedimentological and physico-mechanical properties of some Egyptian carbonate rock aggregates and their possible utilization in concrete*) Geology department, Faculty of science, Beni seuf University, Egypt 2015.

B.S. *(Geology / Chemistry)* Faculty of science, Cairo University,Egypt ***2008*** (Very good)**.**

Conference

- 13 th International Conference on Sustainable Green Construction and Nano-Technology, Hurghada, Egypt 2022 (Participant).
- 5 th International Conference of Advanced Sciences (ICAS5), Hurghada, Egypt 2019 (Oral presentation).
- 1 st International Conference on Green, Sustainable Industry Roads In Egypt (ICGSIR 2018) 2018 (Participant).

Publishing

- Gomah M., Li G., Khan N., Sun C., Jiahui X., Omar A., Abdelhamid M., Mousa B., Zaki M. Prediction of Strength Parameters of Thermally Treated Egyptian Granodiorite using Multivariate Statistics and Machine Learning Techniques. Journal of Mathmatics, 2022, *10*, 4523.
- Omar A., Abdel Latif M., Ogila W., Abdel Ghafour N., Baghdady A. Assessment of Artificial Ornamental Stone Characteristics Produced from Limestone Quarries Waste and Epoxy Resin. Journal of Scientific and Engineering Research, 2019, 6(7):101-109.
- El Sayed M., Shahien M., Abdel Ghafour N., Gharieb S., Omar A.A. Mineralogical assessment of the coarse carbonate aggregates of gabel Ataqa to predict their alkali reactivity behavior, Suez Area, Egypt. Egyptian Journal of Applied Sciences, 2014, 29(6):266-277.