

**Tarek A. Mohamed, B. Eng.**

Mining & Metallurgical Engineering Department  
Faculty of Engineering, University of Assiut  
Assiut, Egypt 71516.

Phone: (+2) 01123436447

(+2) 01017927221

E-mail: [tarek.mohamed.90@eng.aun.edu.eg](mailto:tarek.mohamed.90@eng.aun.edu.eg)

**Education****B.Sc. Eng. (Hons), Mining & Metallurgical Engineering****Sept. 2011 – June 2016**

University of Assiut, Egypt

**M.Sc. Eng., Mining & Metallurgical Engineering (Engineering Survey)****March. 2018 – Jan. 2024**

University of Assiut, Egypt

**Research Interests****1. Mining Engineering**

- Mine surveying
- Global Navigation Satellite Systems
- Topography Survey
- Geodesy Survey
- Mine Ventilation, Energy and Environment
- Mineral Economics, mine reliability and asset management
- Mine design, planning and numerical modelling
- Mining geology

**2. Mineral Processing**

- Ore Flotation using novel depressants and collectors
- Surface Chemistry study
- Release of trace elements from coal waste sources
- Fluid dynamic modelling and lab testing
- Coal cleaning by means of dry and wet based separation technologies
- The performance of froth floatation
- Comminution and ore liberation

**Academic Position**

Demonstrator/Teaching assistant at Department of Mining & Metallurgical Engineering, Faculty of Engineering, University of Assiut, Egypt

**Sept. 2016 to 2023**

Teaching assistant at Department of Mining & Metallurgical Engineering, Faculty of Engineering, University of Assiut, Egypt

**Jan. 2024 to present.****Teaching Experience**

Teaching assistant/instructor of the following courses:

- Mining Geology
- Plane Surveying
- Topographic Surveying and Photogrammetry
- Geodesy and Mine Surveying
- Global Navigation Satellite Systems
- Rock Mechanics (1221) and Rock support

- Applications of Computer in Mining
- Drilling and Blasting Engineering
- Ore Dressing, I and Ore Dressing II
- Mine Ventilation
- Co-supervising of mine surveying project, 3rd Year Mining, Qusair city, Red Sea Governorate. (June and July each year)
- Co-supervising of Engineering surveying projects, 4th Year Mining and training them on the surveying methods and Instruments as well as on Surveying Software; particularly on Total station and GPS. (August and September each year)

## Puplications

---

- Abdelsamea, T., Yousef, M. A., Alemam, M. K., & Mostafa, Y. G. (2023). Effect of IGS baseline length on GNSS Positioning Accuracy. Rudarsko-geološko-naftni zbornik, 38(3), 81-93. (<https://doi.org/10.17794/rgn.2023.3.7>)

## Professional Membership and Services

---

- Academic staff, University of Assiut, Egypt
- Member of Egyptian Syndicate of Engineers (ESE), since 2016 to present

## Honors and Awards

---

- BEng. Honor Graduation Award, University of Assiut, Assiut, Egypt, 2016.
- Excellence in Engineering Geology and Structural Geology Awards (M. Rajaei El-Tahlawi's Awards), 2013
- Excellence in Surface and Underground Mining Awards (Hamada Rashwan's Awards), University of Assiut, Assiut, Egypt, 2014

## Referees

---

### **Prof. Elsayed Abdelfttah Elbadry Ahmed, Ph. D.**

professor at Faculty of Engineering, University of Assiut

Office + 201098344459

Email: [elsayed.ahmed@aun.edu.eg](mailto:elsayed.ahmed@aun.edu.eg)

### **Dr. Wael Abdellah, Ph. D.**

Assistant professor of Mining Engineering (Rock Mechanics)

Faculty of Engineering, University of Assiut

Mobile (Canada) :(+1) 519 694 3252

Email: [wre544@gmail.com](mailto:wre544@gmail.com)