



Mustafa Kamel Alemam

Degree Hold

- **B.Sc.** from Faculty of Engineering, Assiut University (Very good with honors degree and rank “The first”) (Mining and Metallurgical Engineering Department)
- **M.Sc.** in Surveying Engineering from Faculty of Engineering, Assiut University, Egypt
- **Ph.D.** in Geodesy and Surveying Engineering at College of Geoscience and Engineering, Hohai University, China.

I finished my Ph.D. Requirements and the pre-defence has been done. Nowadays I am waiting to do the final defence



5 April 1984



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TOP SKILLS

Software

- ✓ Microsoft Office
- ✓ AutoCAD
- ✓ Civil3d
- ✓ ArcGIS
- ✓ Surfer
- ✓ Global Mapper
- ✓ Google Earth
- ✓ MATLAB
- ✓ Remote sensing Software
- ✓ All processing software, for example: [Ashtech Solution, Trimble Business Center, ProLink, Topcon Link, Leica Geo-Office, Sokkia Link, High Target]
- ✓ Ability to learn any software.

Instruments

- LEVEL
- TOTAL STATION
- GNSS (e.g., GPS)

Languages

- Arabic (Native Language)
- English, First foreign language

Scientific Activities

- **Teaching:** I taught the following undergraduate courses:

Plane Surveying and Photogrammetry - Topographic Surveying - Geodesy and Mine Surveying – Surveying Engineering Project - Geology Engineering - Structural Geology - Pollution and Environmental Control - Mineral Plant Design and Processing Units - Ore Dressing(I and II) - Rock Mechanics and its Properties – Mine Ventilation - Introduction to Mining engineering –computer Applications in Mining.

- **List of Publications:**

- **Master Thesis:** “ **Optimization of GPS Observations**” M.Sc. thesis, Faculty of Engineering, Assiut University, Assiut, Egypt, 2015.
- **Ph.D. Thesis:** “ **Integration of Artificial Neural Network and Global Navigation Satellite System for Improving Positioning Accuracy**” PhD, College of Geoscience and Engineering, Hohai University, Nanjing, China.
- **Paper:** Alemam, M. K., B. Yong & A. S. Mohammed (2022) [**Integration of Artificial Neural Network and the Optimal GNSS Satellites’ Configuration for Improving GNSS Positioning Techniques (A Case Study in Egypt)**]. *Artificial Satellites*, 57, 18-46.
- **Paper:** Alemam, M. K., B. Yong & A. S. Mohammed (2023) [**A Proposed Merging Methods Of Digital Elevation Model Based On Artificial Neural Network and Interpolation Techniques For Improved Accuracy.**] *Artificial Satellites*
- **Paper:** [**Effect of Recording Interval on GPS Accuracy**]
MA Yousef, MK Alemam
JES. Journal of Engineering Sciences 42 (5), 1215-1231
- **Paper:** [**Effect of IGS baseline length on GNSS Positioning Accuracy**]

T Abdelsamea, MA Yousef, MK Alemam, YG Mostafa
Rudarsko-geološko-naftni zbornik 38 (3), 81-93

Preparatory Courses

➤ Master Degree ;

- Geographic Information System (GIS) [Distinction]
- Advanced Geodesy [Distinction].
- Advanced Engineering Mathematics [Distinction].
- Global Position System (GPS) [Good].
- Computer Applications in Surveying [Distinction].

➤ Ph.D. Degree ;

- Modern Geodesy [Distinction]
- Spatial Topics on Geodesy and Surveying Engineering
- GIS and Spatial Analysis [Distinction]
- Applied Mathematics [Distinction]
- Optimization Methods [Distinction]

Professional Experiences

- **Demonstrator:** Faculty of Engineering, Assiut University, from 2007 to 2015.
- **Assistant Lecturer:** Faculty of Engineering, Assiut University, from 2015 till now.
- **Supervisor** in B.Sc. projects for undergraduate students (Surveying Engineering Project) by using advanced instruments such as (Total Station – GPS) from 2007 till now.

Fieldwork Experiences

I have participated in achieving a lot of projects through cooperation with many international and national companies and authorities, for example:

- Engineering Consulting Center of Faculty of Engineering, Assiut University.
- Ministry of military production.
- Holding Company for Water and Wastewater.
- National Authority for Water and Wastewater in Red Sea Governorate.
- National Authority for Water and Wastewater in Assiut Governorate.
- NASR General Contracting (Hassan Mohamed Allam).