



## Sleem Abd-Elstar Farag Ahmed

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### PERSONAL INFORMATION:

- Sex : Male
- Marital Status : Single
- Nationality : Egyptian
- Military status : Finished

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### EDUCATION:

- ❖ **2009-2013:** Bachelor's Degree in Mining & Metallurgical Engineering, Assiut University, Egypt.  
**General grade unit:** Very good with Honor's degree.
  - ❖ **2012-2013:** Graduation project in metallurgical engineering.  
[Electroless Nickel plating (surface engineering)]  
**Project grade:** Excellent.
  - ❖ **2010-2011:** Project in Mine Surveying for a month in The red sea area  
[Mine Surveying Project].
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**A CAREER TRANSCRIPT**

- ❖ **2020 to present:** Assistant Researcher and Lecturer, Faculty of Engineering, Assiut University, Egypt.
  
  - ❖ **2015- 2020:** Demonstrator (Teaching and researcher assistant) , Faculty of Engineering, Assiut University, Egypt
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**RESEARCH INTERESTS**

**1. Materials Engineering**

- Chemical Engineering
- Corrosion Engineering
- Extractive Metallurgy of Precious, Base and Critical Metals
- Composite materials and Nano technology
- Hydrometallurgical separation & purification techniques particularly liquid-liquid extraction

**2. Mineral Processing**

- Ore Floatation 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
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**TEACHING EXPERIENCE**

1. Physical metallurgy.
2. Extractive metallurgy.
3. Materials science Engineering.
4. Heat treatment of metals and alloys.
5. Manufacture processing.

6. Principles of engineering chemistry.
7. Principles of metallurgical engineering chemistry.
8. Composite materials.

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### PUBLICATIONS

1. A. A. Abdel-Hamid, S. A. Farag, G. A. Abdalla, M. S. Aboraia: "Anodizing of *electrical grade Al wires in H<sub>2</sub>SO<sub>4</sub> electrolyte*"; Thirteenth International Conference on Mining and Petroleum Engineering, organized by the Faculty of Petroleum and Mining Engineering at Suez University under the title "The future of energy and mining

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### PROFESSIONAL MEMBERSHIP AND SERVICES

- Academic staff, University of Assiut, Egypt
- Member of Egyptian Syndicate of Engineers (ESE), since 2013 to present

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### REFEREES

#### **Prof. Mohamed Safwat Mohamed, Ph. D.**

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

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