

Curriculum Vitae



Personal Information

Name: Sohier Mohamed Abo Baker
Date of birth: 12/10/1969
Place of Birth: El-Minia, Egypt.
Nationality: Egyptian
Sex: Female
Marital Status: Married with two sons (students in faculty of Engineering)
Occupation: Currently Lecturer of Chemical Engineering,
New Demiatta, Higher Institute of Engineering, Egypt.

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Education:

1991: **B.Sc. of Chemical Engineering.**
*Chemical Engineering Department,
Faculty of Engineering,
El-Minia University,
El-Minia, Egypt.*

2003: **M.Sc. of Chemical Engineering.**
"Electrochemical & physical Decolorization of Industrial Dye
Effluent"
Chemical Engineering Departement ,Faculty of Engineering,

*El-Minia University,
El-Minia, Egypt.*

2008: **Ph.D. of Chemical Engineering.**
"Investigation of Heat Integration Separation Synthesis for
Petroleum Fraction"
*Chemical Engineering Departement,
El-Minia University, Egypt.*

Employment History:

Continuous employment within the period 2003- up to now as listed below:

2003-2005: **Mandate to Assistant Lecturer,**
*Chemical Engineering Department, Faculty of Engineering,
Minia University, El-Minia, Egypt.*

2005-2008: **Granted a scholarship for the Ph.Ddegree in Chemical Engineering**
Minia University, El-Minia, Egypt.

2008-2009: **Lecturer,**
*Sherouk Academy,
Higher Institute of Engineering, Egypt.*

2009 - 2012: **Lecturer,**
*New Demiatta,
Higher Institute of Engineering, Egypt.*

2012 – 2014: **Lecturer in Chemical Engineering**

Faculty of Engineering, Delta University.

2014- 2015: **Lecturer in Petroleum Engineering**
Faculty of Engineering, Mansoura University.

2015-2017: **Lecturer, Borg Al Arab**
Higher Institute of Engineering, Egypt.

2018 up to now: **Lecturer,**
*New Demiatta,
Higher Institute of Engineering, Egypt.*

Teaching Experience:

2001-2003:

Demonstrator for the following modules in El-Minia University, Faculty of Engineering: Engineering Chemistry, Chemical Engineering Principles, Heat Transfer, Fluid Mechanics, Plant Design, Engineering Mathematics, Unit Operations, and Petroleum Engineering.

2003-2008:

Assistant Lecture for the following modules in El-Minia University, Faculty of Engineering: Heat Transfer, Fluid Mechanics, Engineering Mathematics, Chemical Engineering Thermo-Dynamics, Mass Transfer, Unit Operations, and Petroleum Engineering.

2008-2009:

Lecture for the following modules in *Sherouk Academy, Higher Institute of Engineering, Egypt*.

Water and Waste Water Treatment, Fundamental to Material Science, Electro chemistry.

2009-2012:

Lecture for the following modules in *New Demiatta, Higher Institute for Engineering and Technology, Egypt*.

Introduction to Chemical Engineering 1&2, Mass and Energy Balance, Fluid Mechanics, Chemical Engineering Thermo-Dynamics, Physical Chemistry, Mass Transfer, Petroleum Engineering, Chemical Reaction Engineering, Water and Waste Water Treatment, Fundamental to Material Science, Electro chemistry, Separation Processes and Advanced Transport Phenomena (post graduate course).

2012-2014

Lecture for *Engineering Chemistry in Delta University*

2014-2015:

Lecturer for Petroleum Engineering in Mansoura University.

2015-2017

Lecture for the following modules in **Borg Al Arab** , *Higher Institute of Engineering, Egypt*: Introduction to Chemical Engineering1&2, Mass and Energy Balance and chemical engineering thermodynamic.

2018 up to now:

Lecture for the following modules in *New Demiatta, Higher Institute for Engineering and Technology , Egypt*. Industrial Technologies in Chemical, Electroplating Chemical Engineering Principles I and Chemical Engineering Principles II

Activities:

1. Sharing in preparing books of Chemical Engineering for undergraduate students.
2. Sharing in preparing some courses specification for undergraduate such as: Chemical Engineering Principles, Chemical Engineering Thermodynamics, Heat Transfer, Fluid Mechanics, Mass Transfer, Petroleum Engineering, Gas Processing
3. Preparing a curricula of Petroleum and Energy Engineering Program
4. *Trainer in the gas and oil skills company OGS*
5. *Trainer in British International Center For Training and Consultations BIC*
6. *Instructor for training course "Chemical Fundamentals of Petroleum", Cairo Petroleum Company (Cairo-Egypt)*
7. Instructor for training course "**Water Treatment Chemicals**" Oil & Gas Skill Co. (OGS- Cairo-Egypt)
8. Instructor for training course "**Spectroscopic Analysis**" (Theoretical & Practical) (BIC - Cairo-Egypt)
9. *Instructor for training course "Basics of Oil Refining Technology Course", Cairo Petroleum Company (Cairo-Egypt)*
10. *Instructor for training course "Fundamentals of Corrosion & Corrosion Control", Belayim Petroleum Company (Cairo-Egypt)*
11. Instructor for training course "**Heat Exchanger Design, Construction & Maintenance**" (BIC - Cairo-Egypt)

12. Instructor for training course "**Fundamentals of LPG Technology** " Oil & Gas Skill Co. (OGS- Cairo-Egypt)
13. Instructor for training course "**Basics of Crude Oil Separation, Desalting and Stabilization**" Oil & Gas Skill Co. (OGS- Cairo-Egypt)
14. Instructor for training course "**Process Plants Design**" Oil & Gas Skill Co. (OGS- Cairo-Egypt)
15. Instructor for training course "**Process Hand Calculation**" Oil & Gas Skill Co. (OGS- Cairo-Egypt)
16. Instructor for training course "*Principles of Petrochemical Industries*" Oil & Gas Skill Co. (OGS- Cairo-Egypt)
17. Instructor for training course "**ELECTRONIC CORROSION ENGINEER SOFTWARE**"(ECE), Betropel Company (Cairo-Egypt)