**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.

**Living Address**: New Demiatta

**E-mail:** dr.eng.sohier2012@gmail.com

**Mobile:** 002-01067719770

***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 Engineering1&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 MaterialScience, 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***,***Preparing a curricula of Petroleum and Energy Engineering Programand physical chemistry***.***
3. ***Trainer in the gas and oil skills company OGS***
4. ***Trainer in British International Center For Training and Consultations BIC***
5. ***Instructor for training course*** "**Chemical Fundamentals of Petroleum**", **Cairo Petroleum Company** (**Cairo-Egypt**)
6. Instructor for training course "**Water Treatment Chemicals**" Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
7. Instructor for training course "**Spectroscopic Analysis**" (Theoretical & Practical) (BIC - **Cairo-Egypt)**
8. ***Instructor for training course*** "**Basics of Oil Refining Technology Course**", **Cairo Petroleum Company** (**Cairo-Egypt**)
9. ***Instructor for training course*** "**Fundamentals of Corrosion & Corrosion Control**", **Belayim Petroleum Company** (**Cairo-Egypt**)
10. Instructor for training course "**Heat Exchanger Design, Construction & Maintenance**" (BIC - **Cairo-Egypt)**
11. Instructor for training course "**Fundamentals of LPG Technology** " Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
12. Instructor for training course "**Basics of Crude Oil Separation, Desalting and Stabilization**" Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
13. Instructor for training course "**Process Plants Design**" Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
14. Instructor for training course "**Process Hand Calculation**" Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
15. Instructor for training course "***Principles of Petrochemical Industries***" Oil & Gas Skill Co. (**OGS**- **Cairo-Egypt)**
16. **Instructor for training course** "**ELECTRONIC CORROSION ENGINEER SOFT WARE**"(ECE), **Betropel Company** (**Cairo-Egypt**)