CURRICLUM VITA

## PERSONAL DATA

Name: Hanan Hassan El-Sersy

Present Position: Professor of Chemical Engineering

Executive Coordinator of Credit Hours Program

Coordinator of University-Core Requirements, Credit Hours System

Coordinator of Petrochemical Engineering Program, Credit Hours System

Affiliation: Faculty of Engineering – Cairo University

Field of Specialization: Materials and Inorganic Process Industries

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Date of Birth: 24 April 1965

Nationality: Egyptian

## ACADEMIC QUALIFICATIONS

**B. Sc.:** Chemical Engineering Dept., Faculty of Engineering, Cairo University, (1987).

**M. Sc.:** Chemical Engineering Dept., Faculty of Engineering, Cairo University, (1991).

Thesis Title: “Studies on Water Desalination by Electrodialysis”

**Ph. D.:** Chemical Engineering Dept., Faculty of Engineering, Cairo University, (1997).

Thesis Title: “Concepts of Engineering Practice in Strengthening and Treatment of Building Stones”

#### PROFESSIONAL EXPERIENCE

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| --- | --- | --- |
| Name of Employer | Duration | Position Held |
| Faculty of Engineering–Cairo University | 2013- Present | Executive Coordinator of Credit Hours Program |
| Coordinator of University-Core Requirements |
| Coordinator of Petrochemical Engineering Program |
| 2011-2013 | Deputy General Coordinator of Credit Hours Program |
| 2010 to date | Professor |
| 2004 – 2009 | Associate professor |
| 1997 – 2004 | Lecturer |
| 1991 – 1997 | Assistant lecturer |
| 1988 - 1991 | Laboratory Engineer |
| National Research Center | 1987 – 1988 | Laboratory Engineer |

##### M.Sc and PH.D SUPERVISED

##### 3 awarded M.Sc and 2 Ph.D; 4 M.Sc and 1 Ph.D under supervision.

##### TEACHING EXPERIENCE

Undergraduate Courses

* Chemistry,(First Year), Systems and Biomedical Engineering Department
* Inorganic Chemistry,(First Year) – the Chemical Engineering Dept.
* Thermodynamics, (Second Year)-Chemical Eng.Dept.
* Physical Chemistry, (Second Year)-Chemical Eng.Dept.
* Fundamentals of Chemical Engineering, (Second Year)-Chemical Eng.Dept.
* Physical Chemistry (laboratory),(Second Year)-ChemicEng.Dept.
* Process Safety, (Third Year)- Chemical Eng.Dept.
* Materials Engineering, (Third Year)- Chemical Eng.Dept.
* Advanced Water Treatment, (Fourth Year)-Chemical Eng.Dept
* Chemical Engineering Laboratory, (Fourth Year)-Chemical Eng.Dept
* Physical Chemistry (1& 2) for Petrochemical Engineering (PCE)
* Thermodynamics and Combustion for Petrochemical Engineering (PCE)
* Risk Management and Environment, General Course- C.H.S
* Life-Long Skills, General Course, C.H.S
* General Chemistry

Postgraduate Courses

* Advanced Thermodynamics-Master

B.Sc. PROJECTS SUPERVISED

**Patents and Publications**

* **“Effect of the Silica content in mill addition on the Rheological behavior of Enamel suspension ”,** Journal of Engineering and applied science, Cairo University, Faculty of Engineering. Cairo, Egypt, (Oct, 2000)
* **“Effect of solid concentration on the flow properties of raw glaze slips”,** Egyptian Society of Chemical Engineers (The Sixth International Congress of Chemical Engineering), Cairo, Egypt. (Oct, 2001).
* **“Flow properties of digested waste water sludge"**

Part I: Effect of solid content”, 18th International Conference on

Solid Waste Technology and Management, Philadelphia, PA USA, March 23-26, 2003.

* **“Flow properties of digested waste water sludge"**

Part II : Effect of Temperature”, 18th International Conference on

Solid Waste Technology and Management, Philadelphia, PA USA, March 23-26, 2003.

* **“The use of thermal analysis in the approximate determination of the cement content in concrete”,** Journal of thermal Analysis and Calorimetry, Budapest, Hungary. (June, 2003).
* **“A new proposed method for the estimation of the plasticity of clay pastes",** Silicates Industries a,s,b,l, Ceramics Science and Technology , Belgium. (July 2003).
* **“Effect of Silica content on the Acid Resistance Of Enamels”,** Journal of Engineering and applied science, Cairo University, Faculty of Engineering. Cairo, Egypt, (Oct, 2003).
* **"Effect of the addition of polypropylene fibers on the properties of gypsum blocks",** Journal of Engineering and applied science, Cairo University, Faculty of Engineering. Cairo, Egypt, (August 2004).
* **"Packaging waste management in 6th October City",**19th International Conference on Solid Waste Technology and Management, Philadelphia, PA USA, March 2004.
* **"A new proposed method for the estimation of the plasticity of clay pastes",** Silicate Industries Journal – Ceramics Sciences and Technology, volume 69 pp 55-60, (September 2004).
* **"Management of cement By-Bass Within the cement Factory"**

Cairo University Journal for Environmental Sciences, Volume 3 March 2005.

* **"Manufacture of Agriculture Derived Fuel (Adf) from Rice Straw"**

Cairo University Journal for Environmental Sciences, Volume 3 March 2005.

Awarded Certificate of appreciation as a best research.

* **National Research Centre-NRC**

One of the NRC team for program of studies for development of the Egyptian Company for Starch and Glucose including auditing of process control in order to improve the production technology.

##### Faculty of Engineering, Cairo University

##### Engineering Centre for Archaeology & Environment.

## *Engineering for Archaeology & Environment*

Consultant of all projects for conservation, restoration, documentation, studies and technical experiments

Consultant for the analytical and experimental program

##### Global Environment Consultant Office

Consultant.

* **TÜV Management Service-Egypt Branch**

Auditor, Technical Expert

* Member of Judging Panel for the 4th IEEE’s Made in Egypt competition (August,2009) (IEEE Egypt GOLD, MIE (Made in Egypt) Organizing Committee)

###### PROFESSIONAL ACTIVITIES

* . Member of Egyptian Engineers Syndicate
* Member of Egyptian Society of Engineers
* Member of The Egyptian National Committee on Women in Science and Technology.
* Member of The Community Service and Environment Development,

Faculty of Engineering Representative.

* Member of the **QAAP** (Quality Assurance and Accreditation Program) Establishment of Internal Quality Assurance System,
* Arab Reviewer forUnited Nations Development Programme, Regional Bureau for Arab States (**UNDP** / RBAS/ RAB/01/002)
* Member of the **PCIQA** (Program of Continuous Improvement and Qualification for Accreditation in Higher Education Institutes)
* Accredited Trainer- National Center for Faculty and Leadership Development (NCFLD)- S.N:C284
* Accredited Trainer- National Center for Faculty and Leadership Development (NCFLD)- Training of Trainers (The Supplementary Level)-S.N.: B 408

**AWARDS**

* **"Manufacture of Agriculture Derived Fuel (Adf) from Rice Straw"**

Cairo University Journal for Environmental Sciences, Volume 3 March 2005.

Awarded Certificate of appreciation as a best research.

**Area of Research:**

***In addition to the Chemical Engineering specialties previously mentioned,***

- Quality Assurance Activities

- Risk Engineering

- Environmental Engineering

- Management Systems Audits.

- Material Engineering

- Soft and Communication Skills