CURRICLUM VITA

## PERSONAL DATA

Name: Fatma Ibrahim Sayed Barakat

Present Position: Assistant Lecturer

Affiliation: Chemical Engineering Dept. Faculty of Engineering. Cairo University

Field of Specialization: Inorganic Technology

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Date of Birth: 7/7/1982

Nationality: Egyptian

## ACADEMIC QUALIFICATIONS

1. B. Sc. In. Chemical Engineering
2. M.Sc in Chemical Engineering

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Thesis Title: Removal of Boron from Qaroun Lake using EIX Process

1. Ph.D. in. Chemical Engineering

Thesis Title: “Rhological Properties of El-Barkan Bentonite”.

#### PROFESSIONAL EXPERIENCE

* Cairo University, Faculty of Engineering, Teaching Assistant, 2004-2010
* Cairo University, Faculty of Engineering, Assistant Lecturer, 2010-

##### TEACHING EXPERIENCE

1. Undergraduate Courses
* Physical Chemistry & Thermodynamics.
* Electrochemistry.
* Mechanical Unit operations.
* Fluid Mechanics.
1. Postgraduate Courses
* Applied Thermodynamics.
* Applications of Fluid Mechanics.

**Patents and Publications**

* “Application of The Exponential Stretching Theory in Studying El-Barkan Bentonite Thixotropy”, Journal of Engineering and Applied Science, Vol. 5, 2013(With S.K. Amin, M.F. Abadir and A.F. Nassar)

###### PROFESSIONAL ACTIVITIES

* Member of CHS PPC Accreditation Committee

**Area of Research:**

* Electrically Enhanced Ion Exchange.
* Rheology.
* Characterization of Pastes & Clays.