

Curriculum Vitae

Ahmed Mohammed Abu-Dief, M. Sc

PERSONAL INFORMATION

Full Name: Ahmed Mohammed Abu Dief Mohammed

Date of Birth: April 4th, 1985

Age: 25 years

Gender: Male

Place of Birth: Fazara, El-Maragha, Sohag, Egypt.

Address: 3rd floor, flat No.3, Ali Ebn Abi Talib str., behind Hospital University of Sohag, Sohag city.

Marital Status: Married

Religion: Muslim

Citizenship: Egyptian

Military Status: Exempted

Occupation: Assistant lecturer at Chemistry department-Faculty of Science, Sohag University, Sohag, Egypt.

Mailing Address:

Chemistry Department , Faculty of science,

Sohag University, Sohag, P.O. Box 82524, Egypt

Mobile No.: (+2) 0164162700

Fax: 20934601950

Email: ahmed_benzoic@yahoo.com

Aabodief@sci.sohag.edu.eg



EDUCATION

Desember, 2010	M. Sc. in Inorganic / Physical Chemistry Chemistry department, Faculty of Science, Sohag University, Sohag, Egypt.
October, 2008	Diploma in Inorganic Chemistry (V.GOOD with degree of honors) Chemistry department, Faculty of Science, Sohag University, Sohag, Egypt.
May, 2006	B. Sc. in Chemistry (Excellent with degree of honors with Centenary Rate 85.99 %) Chemistry department, Faculty of Science, Sohag University, Sohag, Egypt.
M. Sc. Thesis's Title	Solvent and Temperature Effects on the Kinetic of Reactions and Their Reactivity Trends of Some Coumarin Derivatives.
Supervisors	Prof. Dr. Ezz-Eldin A. Abu-Gharib Dr. Rafat Mohamed El-Khatib Dr. Lobna Abdel-Mohsen Ebaid Nassr

CURRENT POSITION

March, 2007	Teaching Assistant Chemistry department, Faculty of Science, Sohag University, Sohag, Egypt.
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December, 2010- Present

Assistant Lecturer
Chemistry Department,
Faculty of science, Sohag University,
Sohag, Egypt

TEACHING EXPERIENCE

Instrumental Methods of Analysis	4 th year Chemistry students
Applied Analytical Chemistry	4 th year Chemistry students
Practical Inorganic Chemistry	4 th year Chemistry students
Practical Gravimetric Analysis	3 rd year Chemistry students
Practical Chemical Kinetics	3 rd year Chemistry students
Advanced Physical Chemistry	3 rd year Chemistry students
Practical Physical Chemistry	2 nd year Chemistry students
Advanced Analytical Chemistry	2 nd year Biology and Chemistry groups
Quantitative Methods of Analysis	1 st year Chemistry students
Practical Qualitative Chemistry	1 st year Biology and Chemistry groups

RESEARCH EXPERIENCE AND INTERST

Research Projects at Faculty of Science, Sohag University, Egypt,
Over the period of 2007 – Present.

- 1- Study the kinetic of base-catalyzed hydrolysis of various highly biological activity Chromen-2-one derivatives in different media.

- 2- Make Initial state and Transition state analysis for solvent effect on reactivity trends of some coumarin derivatives.
 - 3- Determination of thermodynamic and transfer properties of ions for some organic and inorganic compounds.
 - 4- Study the effect of pH on the stability of Some Organic and Organometallic Pigment compounds.
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SKILLS AND EXPERIENCES

Inorganic and Physical Chemistry

- 1- Interested in knowledge of methods of coordination chemistry and methodology including preparation of complexes and their characterization by molecular electronic spectra, IR, NMR and CHN analysis.
- 2- Magnetic Properties of complexes and their dependence in solvent composition.
- 3- Bonding in transition metal complexes and crystal field theory.
- 4- Reaction of complexes, coordination equilibria and mechanisms of ligand substitution.
- 5- Kinetics and reactivity trends of indicator and laser dye compounds.
- 6- Thermodynamic and transfer properties of ions and their dependence in solvent composition and solvent structure.

Computer Skills:

- 1-Excellent computer skills, besides using operating systems and various program packages for **Microsoft**.
- 2- I have got international computer deriving license certificate (**ICDL**).
- 3- I have got the training programs "Teaching assistant 1" and "Teaching assistant 2" from the supreme council of universities, Central Unit of ICT Training (**CUICTT**), **May, 2007**.
- 4- I have got Statistical program for social science (**SPSS**) **June, 2007**.
- 5- I have obtained a Certificate of **Photoshop June, 2007**.
- 6- I have obtained a Certificate of has successfully completed the **Oracle university** course "User Adoption Services (**Eagle Program**)".
- 7- I have obtained a Certificate of has successfully completed the Oracle Database and object-relational database management system (ORDBMS):
 - Oracle Database 10g : Introduction to SQL**
 - Oracle Database 10g : Program with PL/SQL**
 - Oracle Database 10g : Workshop I**
 - Oracle Database 10g : Workshop II**
- 8- I have got training program from **Orascom Training & Technology (OTT)**
- 9- I work as a Trainer in ICT project from **July 2007 - Present**.

GRADE CERTIFICATES

* Having Grade Certificates from the faculty and Leadership Development Project of:

1- Scientific Research manners, June, 2-5, 2007.

2- Use of Technology in Teaching, June, 19-21, 2007.

3- Development of Effective Show skills, July, 7-9, 2007.

4- Development of Effective Thinking skills, July, 7-9, 2007.

5- Teaching by credit hours system, July, 10-12, 2007.

6- Ethics of Scientific Research, August, 28-30, 2007.

* Having Grade Certificate entitled with" **Preparing of the university Teacher**" from 16-3/2008-28-3-2008 in Faculty of Education, Sohag University, Sohag, Egypt.

* General English Course level II with a percentage of 85%, July 2007.

* INSTITUTIONAL TOEFL CERTIFIFCATE with a total score of 537 Feb. 2010

CONTRIBUTION TO THE DEVOLOPMENT OF UNIVERSITY PROGETS

1- Co-director for "Management of a Human Resources Development Unit" in the **CICAP** at faculty of scienc, Sohag University, **2010-Present.**

2- Member of the team work for the **Quality Assurance Students Proget (QASP)** at faculty of scienc, Sohag University, entitled

"Enhancement of the participation of students and graduates in continuous improvement fields", **2011**.

3- Member of the organizing committee for 11th International Chemistry Conference and exhibition in Africa (The role of chemistry in Development of Africa) (**11ICCA**), 20-23 November, 2010, Luxor, Egypt.

AWARDS

2007	Teaching assistant award at Chemistry Department, Faculty of science Sohag University, Sohag, Egypt
2011	Reserch assistant award at Chemistry Department, Faculty of science Sohag University, Sohag, Egypt

LANGUAGES

Arabic (Native language)

Knowledge of other language: English (Reading / Writing / Speaking V. Good).

PUBLICATIONS

1- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Initial state and transition state contributions to reactivity trends of base-catalyzed hydrolysis of

nitro chromen-2-one derivatives", **Zeitschrift für Physikalische Chemie**, accepted (2010).

DOI number: 10.1524/zpch.2011.0043

2- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Kinetics of base hydrolysis of some chromen-2-one indicator dyes in different solvents at different temperatures, Journal of Korean chemical society, accepted (2011).

UNDER PUBLICATION

- 1- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Kinetics and reactivity trends of base-catalyzed hydrolysis of some chromen-2-one laser dyes in solvents with different polarities at different temperatures", Journal of physical chemistry A (JACS)
- 2- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Solvent effects on kinetics and reactivity trends of base hydrolysis of some chromen-2-one indicator dyes at 298 K", Journal of solution chemistry.
- 3- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**," Kinetics of base hydrolysis of 6-nitro-2H-chromen-2-one and 6-nitro-2H-chromen-2-one-3-carboxylic acid in solvents of different polarities at different temperatures" Journal of kinetic and catalysis.

Conferences

1- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, "Solvent effects on the kinetics and reactivity trends of base-catalyzed hydrolysis of some chromen-2-one indicator dyes at different temperatures" (**Oral presentation**) **The second Scientific conference for young researchers, Sohag, Egypt, 13-14 April, 2011.**

2- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, "Transfer chemical potentials, Solubility, Reactivity and Thermodynamic parameters of 6-Nitro -2H-chromen-2-one and 6-Nitro -2H-chromen-2-one -3-carboxylate anions in aqueous-methanol and aqueous-acetone mixtures" (**Poster presentation**) **The 11th In a Certificate tional Chemistry Conference in Africa (11ICCA), Luxor, Egypt, 20-23 November, 2010.**

3- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Solvent and Temperature effects on Reactivity trends of Base-catalyzed hydrolysis of some Chromen-2-one laser dyes", "(**Poster presentation**) **The 11th International Chemistry Conference in Africa (11ICCA), Luxor, Egypt, 20-23 November, 2010.**

4- Ezz A. Abu-Gharib, Rafat M. EL-Khatib, Lobna A. E. Nassr and **Ahmed Mohammed Abu-Dief**, " Kinetics and reactivity trends of base-

catalyzed hydrolysis of some chromen-2-one laser dyes in solvents with different polarities at different temperatures", (**Post presentation**) **The 12th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry Luxor, Egypt, 14-17 February, 2011.**