CURRICULUM VITA

PERSONAL DETAILS

Surname	Prof. refat Abdel-Hamid Mahmoud				
Title	Professor				
Gender	Male				
Address	University of Sohag, Faculty of Science, Chemistry Department, Sohag, Egypt				
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E-Mail	Abdelhamid_refat@yahoo.com				
Date of Birth	Day	Mo	Yr	Place of Birth	
	30	07	1945	Assiut, Egypt	

EDUCATION

School/College/University/Other	Degree Obtained	Dates
Faculty of Science, Assiut University	Ph.D.	Aug, 1977
Faculty of Science, Assiut University	M. Sc.	Aug, 1977
Faculty of Science, Assiut University	Diploma, Anal. Chem.	April, 1974
Faculty of Science, Assiut University	B. Sc.	June 1967

TRAINING

Training attended / Technical skills acquired	Place	Dates
Reseach Visitor	Physical Chemistry Department, University of Leeds, UK	April 1 st 1985 to June 30 st 1985
Post Docotor	Physical Chemistry Department, University of Leeds, UK	July 1 st 1982 to June 30 st 1983

EMPLOYMENT HISTORY

Employer	Position	Dates
Ass. Lecturer	University of Assiut, Faculty of Science, Chemistry Department, Aswan, Egypt	March 3 st 1975 to Sept 21 st 1977
Lecturer	University of Assiut, Faculty of Science, Chemistry Department, Aswan, Egypt	Sept 22 st 1977 to Oct 17 st 1979
Lecturer	University of Assiut, Faculty of Science, Chemistry Department, Sohag, Egypt	Oct 18 st 1979 to March 13 st 1982
Ass. Professor	University of Assiut, Faculty of Science, Chemistry Department, Sohag, Egypt	March 1 ^{4st} 1982 to May 9 st 1987
Professor	University of Assiut, Faculty of Science, Chemistry Department, Sohag, Egypt	May 10 st 1987 until now

FIELDS OF INTEREST

- **Physical chemistry:** Electrochemical reaction mechanisms, reduction and oxidation, of organic & inorganic compunds and metal complexes in aqueous & nonaqueous media.
- Electroanalytical chemistry: Analysis and determination of organic & inorganic compouds using different conditions, Different media, Different types of working electrodes and sensors & biosensors.

RECENT PUBLICATIONS

48-Electrochemical Studies on Sulphonephthaleins. Part 2. Electrochemical Reduction Mechanism of Catechol Violet in Aqueous Solutions on Mercury Electrode.

By.*Refat A bdd-Hamnid*.

Journal of the Chemical Society, Perkin Transactions 2, 691(1996).

49-Electrochemical Studies on Sulphonephthaleins. Part 3.Kinetics of Electrochemical Reduction of Xylenol Orange and Square-Wave Adsorptive Cathodic Stripping Voltammetry of Its Lanthanum Complex..

By: Refat Abdel-Hanaid., Hussein M. El-Sagher and Mostafa K. Rabia

Canadian J. Chemistry <u>75</u>, 162-168 (1997).

50-Electrochemical Reduction Behavior of Alizarin Red S at HMDE in Aqueous Solutions,

By.*Refat Ahdel-Harnid*, Mostafa K. Rabia and Hussein M. El-Sagher

Bull. Chem. Soc. Japan., <u>70</u>, 2389-2397(1997).

51-The Adsorption Behavior of Phenolphthalien at a Mercury Electrode in Water-Ethanol Solution.

B y: *<u>Refat Abdel-Hamid</u>*

Monatshefte Fur Chemie, <u>129</u>, 817-826(1998).

52-Electrochemistry of the Bis(1,4, 7-triazacyclodecane) Cobalt(III) Complex and Its Role in the Catalytic Reduction of Hydrogen.

By.*Refat Abdel-Hamud*, Hussein M. El-Sagher, AM. Abdel-Mawgoud and Ayman Nafady.

Polyhedron <u>17</u>, 4535-454(1998).

- 53-Electrochemical Reduction of 4-(3-pyridylazo)-3-amino-2-pyrazolin-5-one.
 - By: Refat Abdel-Hamid, Mostafa K .M. Rabia and Nadia A. Abdalla

Acad. Open Internt J., <u>14</u>, 4 (2005)

- 54-Electroclarification: A Means for Decolourization of Sugar Cane Juice Using Aluminium Alloy Al1050/ Polyaniline Modified Electrod,
 - By: *Refat Abdel-Hamid*, M. K. Rabia, and Emad F. Newair,
 - J. Intern. Environ. Appl. & Sci. (2010).
- 55-Electrochemical behavior of antioxidants: I. Mechanistic study on electrochemical oxidation of gallic acid in aqueous solutions at glassy-carbon electrode.
 - By: **Refat Abdel-Hamid** and Emad F.Newair
 - J. Electroanal. Chem., <u>657</u>, 107–112 (2011).
- 56-Electrochemical Behaviour of Antioxidants: Part 2[1]. Electrochemical Oxidation Mechanism of Quercetin at Glassy Carbon Electrode Modified with Multiwalls Carbon Nanotubes.
 - By: *Refat Abdel-Hamid*, Mostafa K Rabia and Emad F. Newair

Arabian J. Chem., 2012, Proof.

- 57-Electrochemical Investigations of Kinetics and Mechanism of Oxidation of Caffeic Acid in Aqueous Media Using Glassy Carbon/Multi-Walls Carbon Nanotubes Modified Electrode
 - By: *Refat Abdel-Hamid*, Mostafa K Rabia and Emad F. Newair
 - J. Indian Chem. Soc., 2012, Proof.
- 58-Electrochemical Studies on Interaction of DNA with Caffeic Acid at Glassy Carbon/Multi-Walls Carbon Nanotubes Modified Electrode and DNA Damage using DNA Biosensor and its Protection by Caffeic Acid

By: *Refat Abdel-Hamid* and Emad F.Newair

J. Indian Chem. Soc., 2012, Accepted for publication.

PRESENTATIONS

"Electrochemical oxidation of antioxidants", a lecture at Faculty of Science, University of Sohag, Sohag. May 14th 2011.

"Oxidation mechanism of gallic acid in aqueous solutions at glassy carbon electrode", "11th International Chemistry Conference and Exhibition in Africa, The role of chemistry in development in Africa", 20-23 Nov 2010, Luxor, Egypt.

"Trace Stripping Voltammetric Determination of Quercetin at Quercetin Self-assembled monolayer (SAM)/carbon paste Electrode", "The 1st Conference on Science Diplomacy and Developments in Chemistry", 24-26 November, 2012, AAlexandria, Egypt.

GRANTS/ AWARDS

No grants.

ADDITIONAL INFORMATION

- *A member of the Scientific Committee for the 1st, , 2nd, 3rd & 4<u>th</u> International Conference on Electrochemistry and its Applications Luxor, Egypt on Nov, 1996, Feb, 1999 & Feb, 2001 and Aswan Feb,2004.
- *A Co-supervisor for the two Ph. D. Thesis with Leeds University, England, 1987 and Technical University, Dresden, Germany, 1996.
- *A member of the Scientific Committee for the promotion of Assistant Professors, "Non-Organic Chemistry Sector" ,2004 to 2008.