



CV

Name: Lobna Abdel-Mohsen Ebaid Nassr

Position: Professor of physical Chemistry – Chemistry Department – Faculty of Science – Sohag University

Director of quality management unit - Faculty of Science – Sohag University

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Scientific Degrees

- (1) B. Sc. in chemistry – Faculty of Science, Sohag – South Valley University (1995).
- (2) M. Sc. in Non-organic chemistry – Faculty of Science, Sohag – South Valley University (2001).
- (3) Ph. D. in Non-organic chemistry – Faculty of Science, Sohag – South Valley University (2005).

Positions and Employments

- (1) Demonstrator – Chemistry department - Faculty of Science, Sohag – South Valley University (1996 –2001).
- (2) Assistant lecturer – Chemistry department - Faculty of Science, Sohag – South Valley University (2001 –2005).
- (3) Lecturer – Chemistry department - Faculty of Science, Sohag – South Valley University (2005 –2010).
- (4) Assistant professor – Chemistry department - Faculty of Science – Sohag University (2010 –2016).
- (5) Professor – Chemistry department - Faculty of Science – Sohag University (2016).
- (6) Vice director of management unit - Faculty of Science – Sohag University (2015 – 2016)
- (7) Director of quality management unit - Faculty of Science – Sohag University (2016)



Awards

- 1) University Encouragement Award of "Basic Science" - Sohag University, 2013.
- 2) Award of "Highly Cited Research" from Journal of Molecular Structure – Elsevier, 2017.
- 3) University Award of "Quality Assurance" - Sohag University, 2018.

Scientific Activities

- (1) Publish many scientific papers (see list of publications)
- (2) Supervised of many M. Sc. and Ph. D. thesis.
- (3) Reviewer in many international scientific journals:
 - i. Industrial & Engineering Chemistry Research.
 - ii. Arabian Journal of Chemistry.
 - iii. International Journal of Chemical Kinetics.
 - iv. American Chemical Science Journal.
 - v. Issues in Biological Sciences and Pharmaceutical Research.
 - vi. Arab Journal of Physical Chemistry.
 - vii. International Journal of Chemical Kinetics.
 - viii. Journal of Saudi Chemical Society.
 - ix. Journal of CO₂ Utilization.
 - x. Journal of Chemical Society of Pakistan.
 - xi. Journal of Saudi Chemical Society
- (4) Reviewer of Ph. D. Thesis
 - i. β -cyclodextrin promoted oxidation of basic amino acids by peroxomonosulphate – catalytic effect of Cu(II) ions, Ph.D. Thesis of the scholar, Mr. Shunmugakani, S., Anna University, Chennai, India.
 - ii. Kinetics and mechanism of VO²⁺ and Cu²⁺ catalyzed oxidation of amino acids by peroxomonosulphate Ph.D. Thesis of the Research scholar Mr. L. Kanniappan, B.S Abdur Rahman University, Chennai, India.



List of Scientific Publications

- (1) Ali M. Shaker, **Lobna A. E. Nassr**, "Kinetics of base hydrolysis of novel low spin Fe(II) amino acid Schiff base chelates – Hydrophobic structural effects", *International Journal of Chemical Kinetics*, **34(10)**, 595-602 (2002).
- (2) Ali M. Shaker, Aida M. Awad, **Lobna A. E. Nassr**, "Synthesis and characterization of some novel amino acid Schiff base Fe(II) complexes", *Synthesis and Reactivity of Inorganic and Metal-Organic Chemistry*, **33(1)**, 103-117 (2003).
- (3) Ali M. Shaker, **Lobna A. E. Nassr**, "Salt Effects on the reactivity of the base-catalysed hydrolysis of some novel low-spin hydrophobic Fe(II)-amino acid azomethine chelates", *International Journal of Chemical Kinetics*, **35(11)**, 592-601 (2003).
- (4) Ali M. Shaker, **Lobna A. E. Nassr**, "Hydrophobicity and reactivity of base hydrolysis of some novel low spin Fe(II) amino acid Schiff base complexes in some binary aqueous solvent mixtures", *Journal of Solution Chemistry*, **32(11)**, 935-949 (2003).
- (5) Rafat M. El-Khatib, **Lobna A. E. Nassr**, "Reactivity trends of the base hydrolysis of coumarin and thiocoumarin in binary aqueous-methanol mixtures at different temperatures", *Spectrochimica Acta Part A*, **67(3-4)**, 643-648 (2007).
- (6) Laila H. Abdel-Rahman, **Lobna A. E. Nassr**, Ramadan M. Ramadan, "Synthesis and characterization of some new cobalt(II) and nickel(II) ternary complexes of N-acetyl, N-benzoyl and N-tosyl derivatives of amino acids", *Transition Metal Chemistry*, **32(3)**, 367-373 (2007).
- (7) Aida M. Awad, Ali M. Shaker, Ahmad B. Zaki, **Lobna A. E. Nassr**, "Novel mechanistic aspects on the reaction between low spin Fe(II) Schiff base amino acid complexes and hydrogen peroxide – Spectrophotometric tracer of intraperoxo intermediate catalyzed reaction", *Spectrochimica Acta Part A*, **71(3)**, 921-928 (2008).
- (8) Rafat M. El-Khatib, **Lobna A. E. Nassr**, "Spectrophotometric study of some Mn(II) ternary complexes and their analytical applications", *Monatshefte für Chemie*, **140(10)**, 1139-1142 (2009).
- (9) Ali M. Shaker, Rafat M. El-Khatib, **Lobna A. E. Nassr**, "Further mechanistic orientation for the oxidation reaction between alkaline permanganate and poly galacturonic acid methyl ester. Novel spectrophotometric tracer of



- intrahypomanganate(v) –intermediate”, *Carbohydrate Polymers*, **78(4)**, 710–716 (2009).
- (10) **Lobna A. E. Nassr**, Kinetic investigation of aqutation of some Fe(II) Schiff base amino acid complexes, *International Journal of Chemical Kinetics*, **42(6)**, 372–379 (2010).
- (11) **Lobna A. E. Nassr**, “Kinetics and mechanism of disproportionation of $Mn^{(VI)}O_4^{2-}$ induced by decomposition of intramanganato – polygalacturonate methyl ester coordination polymer precursor: medium - substituent effects on reactivity”, *Carbohydrate Polymers*, **82(3)**, 880–886 (2010).
- (12) Ezz-Eldin A Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu Dief, “Initial state and transition state contribution trends of base-catalyzed hydrolysis of nitro chromen-2-one derivatives”, *Zeitschrift für Physikalische Chemie*, **255**, 235-248 (2011).
- (13) Ezz-Eldin A Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu Dief, “Kinetics of base hydrolysis of some chromen-2-one indicator dyes in different solvents at different temperatures”, *Journal of the Korean Chemical Society*, **55(3)**, 346-353 (2011).
- (14) Ezz-Eldin A Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu Dief, “Solvent effects on the kinetics and reactivity trends of base-catalyzed hydrolysis of some chromen-2-one indicator dyes at different temperatures”, *Sohag Bulletin for Pure and Applied Science*, **13**, 187-208 (2011).
- (15) Ezz-Eldin A Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu Dief, “Reactivity trends in the base hydrolysis of 6-nitro-2H-chromen-2-one and 6-nitro-2H-chromen-2-one-3-carboxylic acid in binary mixtures of water with methanol and acetone at different temperatures”, *Kinetics and Catalysis*, **53(2)**, 182-187 (2012).
- (16) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, Fakhr El-Din Lashin, “Design, characterization, teratogenicity testing, antibacterial, antifungal and DNA interaction of few high spin Fe(II) Schiff base amino acid complexes”, *Spectrochimica Acta Part A*, **111**, 266-276 (2013).
- (17) Ali M. Shaker, **Lobna A. E. Nassr**, Mohamed S. S. Adam, Ibrahim M. A. Mohamed, “Synthesis, characterization and spectrophotometric studies of seven novel antibacterial hydrophilic Iron(II) Schiff base amino acid complexes”, *Journal of the Korean Chemical Society*, **57(5)**, 560-567 (2013).



- (18) Ali M. Shaker, **Lobna A. E. Nassr**, Mohamed S. S. Adam, Ibrahim M. A. Mohamed, "Hydrophilicity and acid hydrolysis of water-soluble antibacterial Iron(II) Schiff base complexes in binary aqueous solvents", *Russian Journal of General Chemistry*, **83(12)**, 2460–2464 (2013).
- (19) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Synthesis, physicochemical studies, embryos toxicity and DNA interaction of some new Iron(II) Schiff base amino acid complexes", *Journal of Molecular Structure*, **1040**, 9–18, (2013).
- (20) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Kinetic investigation of hydroxide ion and DNA attack on some high spin iron(II) chelates bearing ONO donors amino acid Schiff bases" *Proceedings of the 1st International Conference on New Horizons in Basic and Applied Science, Hurghada – Egypt, Vol 1(1)*, (2013).
- (21) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Kinetic investigation of hydroxide ion attack at high spin Fe(II) bromosalicylidine chelates with amino acids in binary aqueous solvents: Initial and transition state analysis", *Russian Journal of General Chemistry*, **83(12)**, 2510–2518 (2013).
- (22) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, Mohamed Ismail, Amin Abdou Seleem, "Metal based pharmacologically active agents: Synthesis, structural characterization, molecular modeling, CT-DNA binding studies and in vitro antimicrobial screening of Iron(II) bromosalicylidene amino acid chelates", *Spectrochimica Acta Part A*, **117**, 366-378 (2014).
- (23) Ezz A. Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed. M. Abu-Dief, "Kinetic study and reactivity trends of hydroxide ion attack on some chromen-2-one laser dyes in binary water–methanol and water–acetone mixtures", *Russian Journal of General Chemistry*, **84(3)**, 578-585 (2014).
- (24) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Kinetic study of the hydroxide ion attack on and DNA interaction with high spin iron(II) Schiff base amino acid chelates bearing ONO donors", *Russian Journal of General Chemistry*, **84(9)**, 1830-1836 (2014).
- (25) Ali M. Shaker, **Lobna A. E. Nassr**, Mohamed S. S. Adam, Ibrahim M. A. Mohamed, "Effect of bromide salts on the acid hydrolysis of anti-bacterial hydrophilic Schiff base amino acid Iron(II) complexes", *Russian Journal of General Chemistry*, **84(10)**, 2037–2042 (2014).



- (26) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Reactivity trends and kinetic inspection of hydroxide ion attack and DNA interaction on some pharmacology active agents of Fe(II) amino acid Schiff base complexes at different temperatures", *International Journal of Chemical Kinetics*, **46(9)**, 543–553 (2014).
- (27) **Lobna A. E. Nassr**, Ali M. Shaker, "Kinetic and mechanistic aspects of reactivity of the oxidation of some Fe(II)–tris Schiff base complexes by peroxydisulfate: Spectrophotometric tracer and solvent effect on the reactivity", *International Journal of Chemical Kinetics*, **46(11)**, 701–710 (2014).
- (28) Ali M. Shaker, **Lobna A. E. Nassr**, Mohamed S. S. Adam, Ibrahim M. A. Mohamed, "Kinetics of acid hydrolysis and reactivity of some antibacterial hydrophilic Iron(II) imino-complexes", *Russian Journal of Physical Chemistry*, **89(5)**, 759–765 (2015).
- (29) Ezz A. Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed. M. Abu-Dief, "Hydrophobicity and kinetic inspection of hydroxide ion attack on some chromen-2-one laser dyes in binary aqueous–methanol and aqueous–acetone mixtures: Initial state-transition state analysis", *Journal of King Saud University – Science*, **27(1)**, 54–62 (2015).
- (30) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Salts and structural effects on the base catalyzed hydrolysis of some novel and pharmacologically active Iron(II) azomethine amino acid complexes", *International Journal of Nanomaterials and Chemistry*, **1(1)**, 25-30 (2015).
- (31) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, " Kinetic study of the base-catalyzed hydrolysis of novel high-spin hydrophobic Fe(II) – azomethine amino acid chelates: Salt and structure effects on the reactivity", *Russian Journal of General Chemistry*, **85(1)**, 168–172, (2015).
- (32) Ahmed. M. Abu- Dief, **Lobna A. E. Nassr**, "Tailoring, physicochemical characterization, antibacterial and DNA binding mode studies of Cu(II) Schiff bases amino acid bioactive agents incorporating 5- bromo-2-hydroxybenzaldehyde", *Journal of the Iranian Chemical Society*, **12(6)**, 943–955 (2015).
- (33) **Lobna A. E. Nassr**, Ahmed. M. Abu- Dief, "Kinetic screening for the acid-catalyzed hydrolysis of some hydrophobic Fe(II) Schiff base amino acid chelates and reactivity trends in the presence of alkali halide and surfactant", *International Journal of Chemical Kinetics*, **47(8)**, 501 –508 (2015).
- (34) Omyma A. Abd Allah, **Lobna A. E. Nassr**, "Synthesis of novel coumarin derivatives based on 6-aminocoumarin, kinetics inspection of base hydrolysis, and



- spectrophotometric tracer of intermediate progress", *Monatshefte für Chemie*, **147**, 735 – 747 (2016).
- (35) **Lobna A. E. Nassr**, "Reactivity tracers of the hydrolysis of Fe(II)-bis(salicylidene) complexes: Initial -transition states analysis and enhanced impact of tensides on the kinetic trends", *International Journal of Chemical Kinetics*, **48(2)**: 61–71 (2016).
- (36) Ezz A. Abu-Gharib, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed. M. Abu-Dief, "Kinetics, reactivity, initial-transition state analysis and thermodynamic parameters of base catalyzed hydrolysis of coumalic acid in solvents with different polarities", *Arabian Journal of Chemistry*, **10(S1)**: S988–S995 (2017).
- (37) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, " DNA binding ability mode, spectroscopic studies, hydrophobicity, and in vitro antibacterial evaluation of some new Fe(II) complexes bearing ONO donors amino acid Schiff bases" *Arabian Journal of Chemistry*, **10(S1)**: S1835–S1846 (2017).
- (38) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Reactivity trends of hydroxide ion attack on high spin Fe(II) complexes including bromosalicylidene amino acid ligands in some mixed aqueous solvents: Gibb's free energy of transfer and initial-transition state analysis", *Arabian Journal of Chemistry* **10(S2)**: S3338 – S3346 (2017).
- (39) Laila H. Abdel-Rahman, Rafat M. El-Khatib, **Lobna A. E. Nassr**, Ahmed M. Abu-Dief, "Hydrophobicity, reactivity trends of base catalyzed hydrolysis of some novel high spin Fe(II) Schiff base amino acid chelates in some binary aqueous solvent mixtures: Initial-transition state analysis", *Journal of Saudi Chemical Society*, **21(S1)**: S128–S135 (2017).

List of Published Books

- (1) **Lobna A. E. Nassr** (2012), "Kinetic Features of the Base Hydrolysis of Schiff Base Complexes". LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. 4/2012
- (2) **Lobna A. E. Nassr** (2012), "Oxidation of Schiff Base Complexes - Kinetic Aspects". LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. 5/2012
- (3) Ahmed M. Abu-dief, Rafat M. El-Khatib and **Lobna A. E. Nassr** (2012), "Solvent Effects on The Reactivity Trends of Some Coumarin Derivatives". LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. 3/2012



- (4) Ibrahim M. Abdelhalim Mohamed, **Lobna A. E. Nassr** and Ali M. Shaker (2013), "Kinetic Studies of Some Novel Hydrophilic Fe(II) Imino-Complexes". LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. 6/2013

Publications in Quality Assurance and Sustainable Development

(1) **Lobna Abdel-Mohsen E. Nassr**, Ahmed Aziz Abdel-Moneim, "Case study: Enhancement of curriculum quality to assure the activation of the higher education role in sustainable development".

The 7th international conference of the Arabian Center of Education and Development (ACED) "Strategic Planning of Quality and Accreditation of Arabian Universities and educational institutions", 22-24 December (2012) – Cairo, Egypt. Volume 1, p 793-810 (2012).

(2) Ahmed Aziz Abdel-Moneim, **Lobna Abdel-Mohsen E. Nassr**, "The importance of strategic planning in the improvement and enhancement of the performance in higher education institutions, case study: Faculty of science – Sohag University".

The 7th international conference of the Arabian Center of Education and Development (ACED) "Strategic Planning of Quality and Accreditation of Arabian Universities and educational institutions" 22-24 December (2012) – Cairo, Egypt. Volume 1, p 874-883 (2012).

(3) Fayez M. El-Hosary, Ahmed Aziz Abdel-Moneim, **Lobna Abdel-Mohsen E. Nassr**, "Enhancement of the institutional capacity and the educational efficiency of the higher education institutions to gain the local accreditation, case study: Faculty of science – Sohag University".

The 7th international conference of the Arabian Center of Education and Development (ACED) "Strategic Planning of Quality and Accreditation of Arabian Universities and educational institutions" 22-24 December (2012) – Cairo, Egypt. Volume 2, p 884-902, (2012).

(4) **Lobna Abdel-Mohsen E. Nassr**, Ahmed Aziz Abdel-Moneim, "Development of Academic Programmes and Curriculums in Faculty of Science – Sohag University According to Quality and Accreditation Standards of Education and Sustainable Development".

The Third International Arab Conference on Quality Assurance in Higher Education (IACQA'2013)" 2 - 4 April 2013 – Jordan. p 279-289 (2013).



(5) **Lobna Abdel-Mohsen E. Nassr**, Ahmed A. Abdel-Moneim, "Innovative approach for updating the curriculum towards sustainable development issues in Sohag University, Egypt".

The Second Symposium on Analytical Chemistry for Sustainable Development - ACSD 2013 - and the 4th Federation of African Societies of Chemistry (FASC) Congress, 7-9 May 2013, Marrakech – Morocco, (2013).

Quality Assurance and Accreditation Training

	Name	Date	Organizer
1	External reviewer	2009/2/25	Quality Assurance Center – Sohag University
2	Program coordinator	2009/2/28	
3	Strategic planning	– 2009/3/2 2009/3/3	
4	Development of human resources in higher education institutions	2009/3/5	
5	Effective leader skills	2009/10/28 – 27	
6	Strategic planning for education	2012/3/29 – 27	NQAAE
7	Preparation of academic program assessment documents	2013/4/4	Union of Arabic Universities
8	Using Baldrige system for internal reviewing	2013/4/4	
9	Internal reviewing for higher education institutions	2014/12/25 – 23	Faculty of Science – Sohag University
10	Academic standards for higher education institutions (3 rd edition)	2016/4/16	NQAAE
11	Self-evaluation of higher education institutions	2017/9/14 – 12	
12	Programs and courses specifications and ILOS assessment for higher education institutions	2017/10/4 – 2	
13	Strategic planning for higher education institutions	28 – 2018/1/29	
14	External reviewing for higher education institutions	1/30 – 2018/2/1	



FLDC Training

	Name	Date
1	Teacher preparation	1998/9/29 – 1998/9/19
2	Scientific research methodology	2004/4/10 – 2004/10/2
3	Curriculum design	2005/9/25 – 2005/9/21
4	Scientific research management	2006/3/21 – 2006/3/19
5	Credit hours	2006/6/5 – 2006/6/4
6	Quality assurance and accreditation	2006/6/12 – 2006/6/11
7	Using of technology in teaching	2006/10/3 – 2006/10/1
8	Preparation of research project	2006/11/30 – 2006/11/28
9	Writing scientific papers and international publication	2007/3/26 – 2007/3/24
10	Financial aspects in the universities	2007/4/16 – 2007/4/14
11	Legal aspects in the universities	2007/4/19 – 2007/4/17
12	Economic marketing and research funding	2007/6/11 – 2007/6/9
13	Teaching evaluation	2007/6/18 – 2007/6/16
14	Exams system and students assessment	2008/4/7 – 2008/4/5
15	Strategic planning	2008/4/21 – 2008/4/19
16	Management of time and meetings	2011/12/21,19,17
17	Quality standards in teaching	2011/12/26 – 2011/12/24
18	Competitive scientific national and international projects	2015/6/1 – 2015/5/30