

AL-AZHAR UNIVERSITY
COLLEGE OF SCIENCE
DEPARTMENT OF CHEMISTRY
CURRICULUM VITAE FOR DATA BASE

**1. GENERAL INFORMATION:**

Full Name:	Osman Abdel Moaty Farghaly		
Date of Birth:	5/8/1964		
Nationality:	Egyptian		
Marital Status:	Married		
Phone Number:	Home:	0020882102515	Mobile: 00201026361723 0096547601719
Email:	Othman15@yahoo.com , oabdelmoaty@bu.edu.sa , othman15@Azhar.edu.eg , osmanfarghaly9@gmail.com		

2. ACADEMIC INFORMATION:

Department:	Chemistry		
Scientific Degree:	Full professor		
Specialization:	General :	Analytical Chemistry	Specific: Electroanalytical chemistry
Other tasks:	1- Head of the chemistry department 2- Coordinator of the quality assurance & development committee		
Years of Academic Experience:	24		

3. EDUCATIONAL BACKGROUND AND QUALIFICATIONS:

Degree	Date of Degree	Specialization
B.Sc.	1986	General Chemistry
M.Sc.	1991	Analytical Chemistry
Ph.D.	1996	Analytical Chemistry
Associate Professor	2001	Analytical Chemistry
Professor	2006	Analytical Chemistry

4. THE MAIN ACADEMIC DEGREES:

Academic Degree	Title of Study
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M.Sc.	Electroanalytical studies on histamine and uric acid and their complexes with some metal ions
Ph.D.	Physicochemical studies on some sulfa–drugs and their metal complexes

5. ACADEMIC ACHIEVEMENTS:

- **List of Publication:**

No.	Title	Date	Place of publications
1	Developing Metal Complexes for Captopril Quantification in Tablets 2 Using Potentiometric and Conductometric Methods	2023	<i>ACS Omega</i> 2023 8 (2), 2773-2779 DOI: 10.1021/acsomega.2c07455
2	Expired Lactulose Medicinal Drugs as Eco-Friendly Corrosion Inhibitor for Steel Materials in Acidic Environment: Gravimetric and Electrochemical Studies	2022	<i>Int. J. Electrochem. Sci.</i> , 17 (2022) Article Number: 221270
3	Synthesis and Characterization of Ni(II), Cu(II), Zn(II) and Azo Dye Based on 1,10-o-Phenanthroline Binary Complexes: Corrosion Inhibition Properties and Computational Studies	2022	<i>Int. J. Electrochem. Sci.</i> , 17(2022) Article Number: 220333, doi: 10.20964/2022.03.45
4	Cathodic Stripping Voltametric Determination of Lisinopril in Dosage Forms and Biological Fluids	2022	<i>Egypt. J. Chem.</i> Vol. 65, No. 7, pp. 421 – 428 (2022)
5	Decontamination of Zinc, Lead and Nickel from Aqueous Media by Untreated and Chemically Treated Sugarcane Bagasse: A Comparative Study	2022	<i>Egypt. J. Chem.</i> Vol. 65, No. 3 pp. 715 - 724 (2022)
6	Application of Electro Analytical in Trace Metals Determinations: Environmental and Industrial Samples	2021	<i>Determinations in Nanomedicine & Nanotechnology</i> , 2(3).2021 (DNN.MS.ID.000536. 2(3).2021)
7	Silver nanowire size-dependent effect on the catalytic activity and potential sensing of H ₂ O ₂	2021	<i>Electrochemical science advances</i> ,1(3) 2021, e2000031

No.	Title	Date	Place of publications
8	Application of Electro Analytical in Trace Metals Determinations: Environmental and Industrial Samples	2021	Determinations in Nanomedicine & Nanotechnology (DNN.MS.ID.000536) 2(3).2021
9	Green Synthesis For Nonionic Surfactants From Poly (EthyleneTerphthalte) Plastic Waste	2021	Egypt. J. Chem. Vol. 64, No. 2 pp. 773 - 780 (2021)
10	Potentiometric Study of a New Schiff Base and its Metal Ion Complexes: Preparation, Characterization and Biological Activity	2020	<i>Int. J. Electrochem. Sci.</i> , 15 (2020) 10785 – 10801, doi: 10.20964/2020.11.06
11	Selective Preconcentration of Ultra Trace Copper (II) ion Using Square Wave Cathodic Adsorptive Stripping Voltammetry at Modified Carbon Past Electrode	2020	<i>Int. J. Electrochem. Sci.</i> , 15 (2020) 977 – 989, doi: 10.20964/2020.01.83
12	Modification of glassy carbon electrode by (E)-2-(mercapto-phenylamino-methylene)-3-oxo-N-p-tolyl-butanamide for the determination of ultra-trace levels of palladium by adsorptive stripping voltammetry	2020	<i>International Journal of Electrochemical Science</i> , 15, 2020, Pages 4827-4839 ,
13	Effect of Al & Fe inorganic polymers on the enhancement of the surface properties of activated carbon prepared from sesame stalks	2020	Life Science Journal ,2020;17(1):68-74
14	Decontamination of Copper and Manganese from Aqueous Media by Untreated and Chemically Treated Sugarcane Bagasse: A Comparative Study	2020	Chemistry of Advanced Materials 5(2) (2020) 15-33
15	Preparation, Characterization, and Evaluation of Fatty Amide Derivative of Soybean Oil as a Rheological and Tribological Modifier for lubricating Oils	2019	<i>Int. J. Pharm. Sci. Rev. Res.</i> , 55(2), March - April 2019; Article No. 08, Pages: 37 – 45
16	Glassy Carbon Electrode Modified with Alizarin Red S as a Working Electrode for the Analysis of Cobalt in Water and Hair Using Adsorptive Stripping Voltammetry	2019	<i>Int. J. Electrochem. Sci.</i> , 14 (2019) 10111 – 10120, doi: 1 0.20964/2019.11.50
17	Preparation, Characterization and Evaluation of Soybean Fatty amide as a Rheological and Tribological Modifier for lubricating Oils	2019	<i>Int. J. Pharm. Sci. Rev. Res.</i> , 55(2), (2019) 37-45

No.	Title	Date	Place of publications
18	Potentiometric Study of New Schiff Base Complexes Bearing Morpholine in Ethanol-water Medium with some Metal Ions	2019	Int. J. Electrochem. Sci., 14 (2019) 3350 – 3362
19	The treatment of wastewater by modified nano hydroxyapatite: synthesis, characterization and studying the influence of using the treated wastewater on some plants and soil properties	2019	Int. J. Pharm. Sci. Rev. Res., 54(2), (2019) 109-115
20	Metal Complexes of Captopril and Their Determination in Tablets Using Potentiometric and Conductometric Methods	2019	In press
21	Potentiometric and Conductometric studies of Sulfathiazole: Glycine Binary and Ternary Complexes	2019	Int. J. Electrochem. Sci., 14 (2019) 1132 – 1146
22	Voltammetric Determination of Pharmaceutical Compounds at Bare and Modified Solid Electrodes: A Review	2018	Journal of Chemical and Pharmaceutical Research, 2018, 10(9): 21-43
23	Preparation and Using Modified Nanohydroxyapatite Molecules for Wastewater Treatment	2018	Water Conservation Science and Engineering, 1 – 7(2018).
24	Potentiometric and Conductometric Determination of Metal Complexes of Tenoxicam in Different Dosage Forms	2018	International Journal of Pharmaceutical and Phytopharmacological Research (eIJPPR) ,8(4), 2018, 13-22
25	Potentiometric and Conductometric study of complex formations between Norfloxacin and Some metal ions and Norfloxacin determination in Dosage Forms	2018	Int. J. Electrochem. Sci., 13(2018) 8275 – 8294,
26	Anticancer Activity of Some Marine Macroalgae in Hepatocellular Carcinoma Cell Lines (HepG2)	2018	International Journal of Ecotoxicology and Ecobiology 2018; 3(1): 22-30
27	Potentiometric Determination of Stability Constants of Sulphathiazole and	2018	American Journal of Analytical Chemistry, 2018, 9, 99-112

No.	Title	Date	Place of publications
	Glycine-Metal Complexes		
28	Magnetite Fe ₃ O ₄ Nanoparticles: Synthesis, Characterization and Anticancer Activity,	2017	Chemistry of Advanced Materials, 2017, 2(4), 60-66
29	Metal Complexes and Determination of Nalidixic Acid by Potentiometric and Conductometric Methods	2017	Int. J. Electrochem. Sci., 12 (2017) 9865 – 9881
30	Potentiometric and Conductometric Studies on the Binary and Ternary Complexes of Tolbutamide with Some Metal Ions	2017	International Journal of Engineering Science and Technology (IJEST), 9(11) 215-225(2017)
31	Potentiometric and Conductometric Studies on Complexes of Folic Acid with some Metal Ions	2017	International Journal of ELECTROCHEMICAL SCIENCE, 12 (2017) 1146–1156.
32	Potentiometric and Conductometric Studies of Binary and Ternary Complexes of Sulphamethoxazole and Glycine with Metal Ions	2016	The Pharmaceutical and Chemical Journal, 3 (2016) 125–137.
33	Analytical Application Using Modern Electrochemical Techniques.	2014	International Journal of Electrochemical Science, 9 (2014) 3287–3318.
34	Electrochemical Analysis Techniques: A Review On Recent Pharmaceutical Applications	2014	International Journal of Pharmaceutical Science Review and Research (IJPSRR), 25 (2014) 37–45.
35	Corrosion of Mild Steel in NaCl Solutions and Effect of Recycled Plastic Waste Inhibitors	2012	Research & Reviewed electrochemistry: An Indian Journal, 3 (2011) 1–9
36	Square Wave Anodic Stripping Voltammetric Determination Metoclopramide in Tablet and Urine at Carbon Paste Electrode	2005	Journal of Pharmaceutical and Biomedical Analysis, 38 (2005) 14–20
37	Effect of Calcining Temperature of Kaolinite Clay on The Properties of	2009	Silicates Industries, 74 (2009) 32–39.

No.	Title	Date	Place of publications
	Portland Cement Pastes Containing Metakaolin		
38	Voltammetric Determination of Quercetin in Urine at Carbon Paste Electrode	2005	Analytical Letters, 38 (2005) 2247–2258.
39	Square–Wave Stripping Voltammetry for Direct Determination of Eight Heavy Metals in Soil and Indoor–Airborne Particulate Matter	2005	Environmental Research, 97 (2005) 229–235.
40	Voltammetric Determination of Azithromycin at the Carbon Paste Electrode	2004	Talanta, 62 (2004) 531–538.
41	A Novel Method for Determination of Magnesium in Urine and Water Samples With Mercury Film–Plated Carbon Paste Electrode	2004	Talanta, 63 (2004) 497–501.
42	Cathodic Stripping Voltammetric Determination of Some Selected Cephalosporins	2008	International Journal of Electrochemical Science, 3 (2008) 1055–1064.
43	Stability Constants and Voltammetric Determination of Ramipril in Tablet and Real Urine Samples	2008	Indian Journal of Analytical Chemistry, 7 (2008) 294 – 300.
44	Metal Complexes and Voltammetric Determination of Enalapril in Tablet and Urine Samples	2009	Research & Review in Electrochemistry, In press, 2009
45	Potentiometric and Spectrofluorimetric Studies on Complexation of Tenoxicam with Some Metal Ions	2002	Journal of Pharmaceutical and Biomedical Analysis, 28 (2002) 819–826.
46	Determination of Thiopentone Sodium in Aqueous and Biological Media by Cathodic Stripping Voltammetry	2000	Analytica Chimica Acta, 412 (2000) 99–110.

No.	Title	Date	Place of publications
47	Cathodic Adsorptive Stripping Voltammetric Determination of Antidepressant Drug: Sulipride.	2000	Journal of Pharmaceutical and Biomedical Analysis, 23 (2000) 783–791.
48	Potentiometric Studies on Some Cephalosporins Complexes	2000	Monatshefte fur Chemie (Chemical Monthly), 131 (2000) 1031–1038.
49	Potentiometric and Spectrofluorimetric Studies on Complexation of Levofloxacin with Some Metal Ions	2006	Egypt J. Anal. Chem., 15 (2006) 71.
50	Direct And Simultaneous Voltammetric Analysis of Heavy Metals in Tap Water Samples at Assiut City: An Approach to Improve the Analysis Time for Nickel and Cobalt Determination at Mercury Film Electrode	2003	Microchemical Journal, 75 (2003) 119–131.
51	Physicochemical Properties of Metakaolin–Lime Pastes at Different Calcinations Temperatures of Kaolinite Clay	2008	Al–Azhar Bull. Sci., 19 (2008) 1–17.
52	Characterization of Drinking Water Samples at Qena City by Flame Atomic Absorption Spectrophotometric Method.	2001	Egypt J. Anal. Chem., 10 (2001) 75–89.
53	Spectral Studies of Binary and Ternary Complexes of Some Sulfa Drugs	2001	PAK. J. Sci. Ind. Res., 44 (2001) 148–152.
54	Cathodic Stripping Voltammetric Determination of Uranium with Potassium Hydrogen Phthalate.	1999	Talanta, 49 (1999) 31–40.
55	Anodic Adsorptive Stripping Voltammetric Determination of the Anesthetic Drug: Methohexital Sodium	1999	Journal of Pharmaceutical and Biomedical Analysis, (1999) 233–240

No.	Title	Date	Place of publications
56	Differential Pulse Polarography and Adsorptive Stripping Voltammetric Determination of Uric Acid	1992	J. Indian Chem. Soc., 69 (1992) 813–818.
57	Differential Pulse Polarography of Cadmium and Lead-Urate and Adsorptive Stripping Voltammetric Determination of Uric Acid.	1994	Talanta, 41 (1994) 439–444.
58	Simultaneous Determination of Copper, Lead, Cadmium, Nickel and Cobalt by Adsorptive Stripping Voltammetry using Quercetin as Complexing Agent.	2003	Alex. J. Pharm.Sci., 17(1), (2003) 43–48.
59	Digestion free determination of trace Cu, Cd, Pb and Zn ions in cane sugar by differential pulse anodic stripping voltammetry.	2001	Chemical Papers, 55 (2001) 91–99.
60	Potentiometric Studies on the Complexes of Hypoglycemic Agent: Tolbutamide with some Metal Ions.	2000	Assiut University 2 nd Pharmaceutical Conference, Assiut, Egypt, 8–9 March (2000) 115–124.
61	Determination of Zinc, Cadmium, Lead and Copper Ions in the Underground Water by Differential Pulse Anodic Stripping Voltammetry	1999	Egypt J. Anal. Chem, 8 (1999) 70–83.
62	Formation Constants of Metal Complexes with Histamine.	1993	J. Indian Chem. Soc., 70 (1993) 615–617.
63	Spectral Behavior and Acidity Constants of Some Sulfa –Drugs	1996	Aswan Sc. Tec. Bull., 17 (1996) 89–103.
64	Potentiometric Studies on the Complexes of Sulfamethazine (SMZ) and Sulfathiazole (STZ) with Some Metal Ions	1999	J. Indian Chem. Soc., 76 (1999) 480–482.

No.	Title	Date	Place of publications
65	Sugar 33 Project "Extraction of Some Amino Acid From Molasses"	1996	Assiut university and Egyptian Sugar & Distillation Company. As one of the research group.
66	Sugar 37 Project "Chemical Production of Oxalic Acid From Molasses"	1996	Assiut university and Egyptian Sugar & Distillation Company. As one of the research group.

• **PUBLISHED OR TRANSLATED BOOKS:**

No.	Title	Date	Place of Publications	Publisher
1	Practical Experiments in Analytical Chemistry, First part, 1 st Ed.	2007	Sebha, Libya	Sebha University, Libya
2	Principle of Analytical Chemistry and its Applications	2013	Hail, SA	University of Hail
3	Useful Abbreviation in Chemical Analysis and its Applications	2015	Hail, SA	Al-Andalus Library for Publications and Distribution, SA

6. ACADEMIC AND PRACTICAL EXPERIENCE:

• **Teaching (Demonstrator, Assistant lecturer, Lecturer, Assistant Professor, Associate Professor, Professor):**

No.	Job	Tasks	Place	Duration
1	Demonstrator	Teaching	Assiut University, Aswan Branch	1987–1991
2	Assistant lecturer	Teaching	Assiut University, Aswan Branch	1991–1995
3	Assistant lecturer	Teaching	South Valley University, Qena Branch	1995–1996
4	Lecturer	Teaching	South Valley University, Qena Branch	1996–2000
5	Lecturer	Teaching	Al-Azhar University, Assiut Branch	2000–2001
6	Associate Professor	Teaching	Al-Azhar University, Assiut Branch	2001–2006
7	Professor	Teaching	Al-Azhar University, Assiut Branch	2006–2009
8	Assistance Professor	Teaching	Hail University, SA	2009–2013

• **TRAINING (Teacher, Trainer, Trainee):**

No.	Field	Tasks	Place	Duration
1	JoVE journals Science Educations	Trainee	Al Baha University, KSA	3/10/2021
2	Dutch language	Trainee	Assiut University, Egypt	1993
3	Concepts & Guidelines of Periodic Self-Evaluation for the Chemistry Program	Teacher	Chemistry department, faculty of science, Hail University, SA	30/12/2012
4	Self-Assessment	Trainee	Hail university, SA	11/11/2012
5	Strategic Planning: Vision – Mission – Objectives	Teacher	Chemistry Department, Faculty of Science, Hail University, SA	3/2/2013
6	Strategic planning	Trainee	Hail University, SA	19/11/2012
7	Competitive research project	Trainee	Hail University, SA	20/11/2012
8	Exam systems and student assessments	Trainee	Hail University, SA	26/11/2012
9	Effect teaching skills	Trainee	Hail University, SA	5/11/2012
10	Total quality management	Trainee	Hail University, SA	03/12/2012
11	Recent Advantages in Scientific Instrumentation and its Application in Scientific and Applied Research	Trainee	Hail University, SA	21/04/2013

• **SOCIAL SERVICE (Charitable, Cultural, Mediativ, Social):**

No.	Field	Tasks and Activities	Place	Duration
1	Cultural	Author	ASSIUT News magazine	1995
2	Cultural	Author	Arabic Chemist Journal, KSU, SA	2008
3	Cultural	Author	Arabic Chemist Journal, KSU, SA	2009
4	Cultural	Author	Saudi Chemical Society, KSU, SA	2010
5	Cultural	Author	Arabic Chemist Journal, KSU, SA	2011

7. ACADEMIC AND PRACTICAL PARTICIPATIONS:• **Conferences:**

No.	Conference Title	Type of participation	Place	Date
1	Second Black Sea Basin Conference on Analytical Chemistry	Accepted paper	Istanbul, Turkey	September 14–17, 2003
2	8 th IBN SINA “International Conference on Pure and Applied Heterocyclic Chemistry”	Accepted paper	Luxor, Egypt.	February 16–19, 2002
3	The 3 rd International Conference on Electrochemistry and its Applications	Organized committee and Accepted paper	Luxor, Egypt	February, 13–15, 2001
4	Second International Conference on Basic Sciences and Advanced Technology	Accepted paper	Assiut University, Assiut, Egypt.	November, 5–7, 2000
5	The 2 nd Pharmaceutical Sciences	Accepted paper	Faculty of Pharmacy, Assiut University, Assiut, Egypt	March, 8–9, 2000
6	The 2 nd International Conference on Electrochemistry and its Applications	Organized committee and Accepted paper	Luxor, Egypt	February, 2–4, 1999
7	First conference on Pharmaceutical sciences	Accepted paper	Faculty of Pharmacy, Assiut University, Assiut, Egypt	March, 4–5, 1998

No.	Conference Title	Type of participation	Place	Date
8	The 4 th International Symposium on New Trends in Chemistry	Accepted paper	Cairo, Egypt	January 4– 9,1997
9	New Trends in chemistry and its Applications	Scientific committee and Accepted paper	Sebha University, Libya	November, 2006
10	The 3 rd international conference in basic and applied science	Scientific committee and Accepted paper	Al -Ghurdga , Egypt	August 2015
11	The 4 th international conference in basic and applied science	Organization committee	Al -Ghurdga , Egypt	August 2017

• **Courses and Training Activities:**

No.	Field	Title	Place	Date
1	Analytical Chemistry	Basic analytical chemistry for the all first years students	Faculty of Science, Hail University, SA	2009
2	Analytical Chemistry	Analytical chemistry for B.Sc. Students.	Faculty of Science, Hail University, SA	2006
3	Analytical Chemistry	Advanced analytical chemistry for high graduate students.	Faculty of Science, Sebha University, Libya	2005
4	Analytical Chemistry	Advanced electroanalytical chemistry for high graduate students	Faculty of Science, Sebha University, Libya	2008
5	Analytical Chemistry	Instrumental analysis for B. Sc. Students.	Faculty of Science, Sebha University, Libya	2007

No.	Field	Title	Place	Date
6	Physical Chemistry	Kinetic chemistry for under graduate students.	Faculty of Science, Al–Azhar University, Egypt	1999
7	Analytical Chemistry	Drug Analysis for high graduate students.	Faculty of Science, Al–Azhar University, Egypt	2003
8	Analytical Chemistry	Environmental Analysis for high graduate students.	Faculty of Science, Al–Azhar University, Egypt	2002
9	Analytical Chemistry	Food Analysis for high graduate students.	Faculty of Science, Hail University, SA	2007
10	Analytical Chemistry	Recent trends in chromatographic methods	Faculty of Science, Hail University, SA	2012

• **Membership in Academic Societies and Associations (Member, Editor, Secretary, Chairman, Referee, Coordinator, Planner):**

No.	Name of Society or Association	Type of Membership
1	Journal of Water resources and ocean science (WROS)	Editorial Board member
2	An Indian Journal of Chemistry	Editorial Board member
3	Journal of Chem and Biochemistry World	Editorial Board member
4	Egyptian Society for electrochemistry	Planner member
5	Reviewer in some of famous analytical chemistry journals such as, Talanta, Journal of Pharmaceutical and Biomedical Analysis, Analytica Chemica Acta, and Journal of Environmental Research	Reviewer
6	Egyptian Society for Analytical Chemistry	Member

Documented References	Furnished upon request
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