Reham Mamdouh Ali

CV

1. Personal Background

- **Name:** Reham Mamdouh Ali.
- **Birthdate:** Jan, 7th, 1992.
- **Sex:** Female.
- **Nationality:** Egyptian.
- **Place of birth:** Assiut, Egypt.
- **Marital state:** Divorced.
- **For Correspondence:**

Home address: Sayed Pharmaceutical Factory, Divide the Sons of Sheikh Street, Assiut, Egypt.

Work address: Assistant Lecturer of Physical Chemistry, Chemistry Department, Faculty of Science, Assiut University, Assiut, Egypt, Postal Code 71516 – Egypt.

E-mail: rehammamdouh66@yahoo.com

Phone: Mobile: (+2010) 21297217

2. Professional Title / Current Occupation:

Assistant Lecturer of Physical Chemistry, Chemistry Department, Faculty of Science, Assiut University, Assiut, Egypt.

3. Objective:

To obtain a competitive PhD.

4. Educational Background:

2015-2019	**Master's degree in science chemistry " Physical Chemistry " from Chemistry Department, Assiut University, Egypt.** **Title of the thesis: "Corrosion inhibition of commercial stainless steel in sulfuric acid solution containing sulfide ions ".**
2014-2015	**Preparatory Year (Diploma) in Inorganic Chemistry from Chemistry Department, Assiut University, Egypt with General grade (Excellent, 91.14%)**
2009-2013	**Bachelor of Science in Chemistry from Chemistry Department, Assiut University, Egypt (Excellent with honour, GPA=3.71/4).**
2006-2009	**High School, Manfalut Secondary School for Girls.**

5. Employment Record and Research Experience:

2013 – 2019	**Demonstrator of Inorganic Chemistry, Faculty of science, Assiut University.**
9/2019-present	**Assistant Lecturer of Physical Chemistry, Faculty of science, Assiut University**

►**Since I was appointed as demonstrator and teaching assistant at the chemistry department, Assiut University, Egypt. I have been participating in teaching programs organized by chemistry department for undergraduate students of Sciences, Pharmacy, Veterinary Medicine, Education and Agriculture faculties.**

►**The work presented in the M.Sc. thesis focused on "Corrosion inhibition of commercial stainless steel in sulfuric acid solution containing sulfide ions ". In this study four cephalosporin drugs namely cefotaxime, cephalexin, cephapirin and cefazolin in addition to fifth compound (surfactant compound) Tetraphenylarsonium chloride (TPAC) are used to inhibit corrosion of 304 stainless steel in 0.5 M H_2SO_4 solution containing 0.01 M H_2S at different temperature were investigated. The synergistic effects of admixtures of the surfactant with the studied cephalosporins were also studied.**

Additionally, I gained a good experience in operating instruments and techniques like:

Weight loss method (WL)	**Electrochemical Impedance Spectroscopy (EIS)**
FT- IR spectroscopy	**SEM-EDX analysis techniques**
Open circuit potential	**Linear Polarization Resistance (LPR)**
Potentiodynamic (cathodic-anodic) polarization.	

6. Teaching Experience:

Course	Date	Candidates	Place
Qualitative Analysis (Identification of simple inorganic salts).	**since 15/12/2013 until Now**	**Science and Education Faculties Students (Students of 1st year)**	**Assiut University**
Volumetric Analysis.	**since 15/12/2013 until Now**	**Science Faculty Students (Students of 1st and 2nd year)**	**Assiut University**
Gravimetric Analysis.	**since 15/12/2013 until Now**	**Science Faculty Students (Students of 3rd year)**	**Assiut University**

Practical Physical Chemistry.	**Since 15/12/2013 until Now**	**Science Faculty Students (Students of 3rd year)**	**Assiut University**
Inorganic Synthesis.	**since 15/12/2013 until Now**	**Science Faculty Students (Students of 3rd year)**	**Assiut University**
Instrumental Analysis.	**Since15/12/2013**	**Science Faculty Students (Students of 4th year)**	**Assiut University**

7. Publications:

1. A published paper of Master thesis: - Abou-Elhagag A. Hermas, Abobaker Mohamed Elnady, Reham M. Ali, " Corrosion inhibition of stainless steel in sulfuric acid solution containing sulfide ions", Anti-corrosion methods and materials, vol.66, no.3, pp. 360-368.

8. Additional Experiences and activities:

7-8 June 2014: Passed the training program of " Time and Conference Management "held by The Faculty and Leadership Development Centre (FLDC)", Assiut University, Egypt.

14-15 June 2014: Passed the training program " International Publishing of Research "held by "The Faculty and Leadership Development Centre (FLDC)", Assiut University, Egypt.

23-24 August 2014: Passed the training program of "Use of Technology in Teaching" held by "The Faculty and Leadership Development Centre (FLDC)", Assiut University, Egypt.

27-28 January 2015: Passed the training program of "Student Evaluation" held by "The Faculty and Leadership Development Centre (FLDC)", Assiut University, Egypt.

9-10 February 2016: Passed the training program " How to Design the E-Course "held by "The Faculty and Leadership Development Centre (FLDC)", Assiut University, Egypt.

9. Language Proficiency:

Arabic: Native language.

English: All chemistry studies and exams are done in English.

10. Computer Skills:

ICDL International Computer Driving license.

Excellent knowledge of Windows (XP, 7, 8, 10), Word, Excel, Power Point and Internet.

11. Personal Skills:

Excellent communication Skill, Self-Confidence, Able to work under pressure, Self-motivated, Hard worker, quick learner and enjoy challenges.

12. Interties:

Traveling, Sporting: Running

13. References:

1. **Prof. Dr. Abou-Elhagag Abdel-Aziz Hermas Professor of Electrochemistry Chemistry, Department of Chemistry, Faculty of Science, Assiut University, Asyut 71516, Egypt, E-mail: ahermas@aun.edu.eg.**
2. **Prof. Dr. Refaat Mohammed Mahfouz Professor of Inorganic Chemistry, Department of Chemistry, Faculty of Science, Assiut University, Asyut 71516, Egypt, E-mail: rmhfouz@aun.edu.eg, rmhfouz@hotmail.com & rmhfouz@science.au.edu.eg.**
3. **Prof. Dr. Otify AbdEl-Ghafar Bakhite Professor of Organic Chemistry, Department of Chemistry, Faculty of Science, Assiut University, Asyut 71516, Egypt, E-mail: ebakhite@yahoo.com**