

Contact Info:

Name: Ossama Ali Abdullatef Mohammed

Title: Lecturer

Tel: 061

Email: ossama_abdullatef@pua.edu.eg

Room: C14O



**Biographical
sketch:
(Academic Degrees-
Fellowships and
Associations)**

Dr Ossama Abdullatef is currently Lecturer in the Chemistry and Pharmaceutical Chemistry Department in the Faculty of Pharmacy, Pharos University in Alexandria (PUA).

He got his Ph. D. Degree of Science (M. Sc) in Chemistry from the Chemistry Department, Faculty of Science, Alexandria University, the M. Sc. title was "Corrosion Control of steel in sea water by using a new Paint Formulation containing environmentally friendly materials" in 2008.

He got his Master Degree of Science (M. Sc) in the Physical and Inorganic Chemistry from the Chemistry Department,

Faculty of Science, Alexandria University, the M. Sc title was " Kinetics and thermodynamics study of the acidic corrosion of Aluminum"

He got his B. Sc. Degree in Chemistry, from the Chemistry Department, Faculty of Science, Alexandria University 1990.

In addition to his academic work for six years in PUA, he worked as General Academic Advisor for 4 years, supervisor for registration in the faculty of pharmacy, member of the faculty council for 4 years, member of the complain committee of the faculty and the university for 3 years, supervision of the committee of transferring students in the faculty, member of the sports committee and the electronic teaching in the faculty. In the mean time he taught number of lectures and workshops for the Education development Center (EDC) as Credit hour system, Orientation to PUA staff members, Self Development and The Power of Positive Thinking. He participate in the organization of the 1st PUA conference in the Advances in pharmaceuticals as the head of the local arrangement and registration committee.

He is member of the Egyptian Corrosion Society. He attend many conferences national and international in the field of corrosion and electrochemistry.

	He is reviewer for many journals, Materials Chemistry and Physics, The Chemical Society of Ethiopia, Portugaliae Electrochemica Acta, Journal of Saudi Chemical Society
Publications:	<ol style="list-style-type: none">1. "Corrosion behavior of steel with a polymeric coating in sea water" A.B.Tadros, M.El-Batouti and O.A.Abd El-Lateef; <i>Pigment & Resin Technology</i>, 2001, 4, 239.2. "New Coatings formulations Containing Natural Inhibitors for Steel Corrosion Control" A.M. Abdel-Gaber, B.A. Abd-El Nabey, E. Khamis, O. A. Abdullatef, H. Aglan and A. Ludwick, <i>Corrosion Challenges in Industry, the Egyptian Corrosion Society</i>, December 4-6, 20063. " Influence of natural inhibitor, pigment and extender on corrosion of polymer coated steel" A.M. Abdel-Gaber, B.A. Abd-El Nabey, O. A. Abdelattef, E. Khamis, H. Aglan* and A. Ludwick. <i>Progress in Organic Coatings</i>, 69(2010)402-409.4. "Effect of some natural extracts on the corrosion of Zinc in 0.5 NaCl" B. A. Abd-El-Naby, O. A. Abdullatef, A. M. Abd-El-Ga M. A. Shaker and G. Esmail. <i>Int. J electrochem. Sci.</i>, 7(2012) 5779-5797.

5. " Electrochemical studies on the effect of Damssesa, Hlfabar and Lupine Extracts on the corrosion behavior of zinc in 0.5 M H₂SO₄ solution" **O. A. Abdullatef**, M. A. Shaker and G. Esmail. *Bull. J. Sci. Alex. Univ.*, 48(1, 2)(2014) 16-31
6. "Electrochemical Studies on the Inhibitive Action of Damssisa and Halfabar on the Alkaline Corrosion of Zinc" B. A. Abd-El-Naby, **O. A. Abdullatef**, A. M. Abd-El-Gabr, M. A. Shaker and G. Esmail. *Int. J. Electrochem. Sci.*, 9(2014) 1163-1178.
7. "Hlfabar as effective inhibitor for corrosion of zinc metal in aqueous solutions" **O. A. Abdullatef**, B. A. Abd-El-Naby, *Eurocorr2014*, Pisa, Italy, 8-12 September 2014.
8. "Lupine as effective environmentally friendly corrosion inhibitor for zinc metal in aqueous solutions" **O. A. Abdullatef**, B. A. Abd-El-Naby, *Egycorr 2014*, Luxor, Egypt, 8-11 December 2014.
9. "Kinetics and Thermodynamics of the dissolution of steel in 1 M Hydrochloric acid solution in presence of Silene Mrmarica as corrosion Inhibitor" **O. A. Abdullatef***, *Egyptian Petroleum*

Journal. 24(4)(2015)505-511

10. "Azithromycin as effective corrosion inhibitor for mild-steel, copper and Zinc in 0.5 M H₂SO₄ solution" *O. A. Abdullatef**, *J. Adv. Chem.* 11(5)(2015)3642-3655.

11. "Effect of Alkaline Etching on the Inhibition of the Acidic Corrosion of Aluminum by Lupine Extract" B. A. Abd-El-Naby, *O. A. Abdullatef**, M. El-Kshlan, E. Khamis, M. A. Abd-El-Fatah. *Portugaliae Electrochemica Acta* 33(1) (2015) 1-11.

12. "Inhibition of corrosion of steel in 0.5 M H₂SO₄ containing halide ions by Silene Marmarica extract" *O. A. Abdullatef*, B. A. Abd-El-Naby *Physical Chem.* 5(2)(2015)39-47.

13. "The Role of the Anions on the Inhibition of the Acidic Corrosion of Aluminum by Lupine Extract, B. A. Abd-El-Naby, *O. A. Abdullatef**, H. M. El-Kshlan, E. Khamis, M. A. Abd-El-Fatah. *EGYCORR 2015, Hurghada*, Egypt, 14-17 December 2015.

14. "Effect of Silene Marmarica on the corrosion and kinetics of the dissolution process of steel in acidic medium" *O. A. Abdullatef**, *Int. J. Nano. Chem.* 1(2015)45-51.

	<p>15. "Anionic Effect on the Acidic Corrosion of Aluminum and its Inhibition by Lupine Extract" B. A. Abd-El-Naby, O. A. Abdullatef*, H. M. El-Kshlan, E. Khamis, M. A. Abd-El-Fatah. <i>Portugaliae Electrochemica Acta</i> 33(5) (2015) 265-274</p> <p>16. "Effect of Cetyltrimethylammonium bromide Surfactant as Novel Inhibitor for the Corrosion of Steel in 0.5 M H₂SO₄" B. A. Abd-El-Naby, O. A. Abdullatef, E. Khamis, W. A. El-Mahmody <i>Int. J. Electrochem. Sci.</i>, 11 (2016) 1271 - 1281</p> <p>17. "Effect of Tween 80 Surfactant on the Electropolymerization and corrosion performance of polyaniline on mild steel" B. A. Abd-El-Naby, O. A. Abdullatef, G. A. El-Naggar, E. A. Matter, R. M. Salman <i>Int. J. Electrochem. Sci.</i>, 11 (2016) 2721 – 2733</p>
Academic Research Interests:	<p>1- Studies on thermodynamics and mechanism of the effect of corrosion inhibitors (organic, inorganic and green natural compounds) on the dissolution of metals in different aqueous (neutral, acid, alkaline), non-aqueous and vapor media using various techniques such as: Potentioscan, Gasometry, Weight Loss, Transfer</p>

Function Analyzer, Zero Resistance Ammetry, Spectrophotometry, Scanning Electron Microscopy and Auger Electron Spectroscopy techniques.

- 2- Preparation, developing and testing of a new anticorrosive paints containing new friendly environmentally natural inhibitors.
- 3- Assessment of the corrosion protection by paint.
- 4- Investigations on the corrosion behavior of biomaterials alloys.
- 5- Electrochemical studies on environmentally friendly corrosion inhibitors and antiscalents.
- 6- Microbial corrosion.
- 7- Smart coatings.
- 8- Renewable resources of energy from waste.

Conferences and workshops	<p><i>"Corrosion Prevention of Pipelines, Marine Units and Construction Materials by Cathodic Protection"</i> 16-19 April 2011. Lecture on MIC "Microbial Corrosion"</p> <p><i>"Corrosion Prevention of Pipelines, Marine Units and Construction Materials by Cathodic Protection"</i> 16-19 January 2006.</p> <p><i>"Corrosion Prevention of Metals & Alloys by Cathodic Protection & Coating"</i> 27-30 June 2005.</p> <p><i>"Corrosion Inhibitors, Scale Formation & Antiscalent, Cathodic Protection"</i>, 19-22 July 2004.</p> <p><i>"Corrosion Protection of Metals by Material Selection & Cathodic Protection"</i>, 20 – 22 January 2003.</p>
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"Corrosion Monitoring of Metals, Testing and Control",
28 – 30 April 2002.

"31th international conferences on corrosion
mitigation and surface protection technologies.
Organized by Egyptian Corrosion Society
8-11 December 2014, Steinburger Hotel,
Luxor, Egypt

Workshop on: "Corrosion Protection of Metallic
Artifacts -Tailored Strategies" Organized by Egyptian
Corrosion Society 6-10 December 2013 Seagull Hotel –
Hurghada Egypt.

30th international conferences on corrosion mitigation
and surface protection technologies. Organized by
Egyptian Corrosion Society

10-13 December 2012, Sea Gull Hotel,
Hurghada, Egypt

Workshop on: "Corrosion Protection of Metallic Artifacts -Tailored Strategies" As a side event of the 2nd International Conference On: "Corrosion Mitigation and Surface Protection Technologies" 10-13 December 2012 Seagull Hotel – Hurghada Egypt

Workshop on: " Corrosion Mitigation in oil and gas production " 23-26 December 2013 Seagull Hotel – Hurghada Egypt

Workshop on: "Corrosion and corrosion control".
Organized by Multi Hands
Group. 10-14 May 2009, Multi hands group smoha.

"Nanotechnology and its biological applications" 20th
April, 2015, City of Scientific Research and

	<p>Technological Applications (SRTA-City), Genetic Engineering and Biotechnology Research Institute (GEBRI).</p> <p>Member of Intel Bibliotheca Alexandrina Science & Engineering Fair. 9-11 March 2013 as a Judge. 16-18 March 2014 as a Judge 13-15 March 2015 as a Judge. 9-11 March 2016 as a Judge</p>
<p>Thesis Supervision</p>	<p>I supervised a number of M.Sc students in the following areas of research:</p> <ol style="list-style-type: none"> 1. “Study of corrosion inhibition of Zinc in different medium using environmentally friendly corrosion inhibitors”, M.Sc. degree. 2. “Some natural extracts in the field of inhibition

	<p>aqueous corrosion of Aluminum”, M.Sc. degree.</p> <p>3. Corrosion protection of steel by coating with Electropolymerized Aniline Derivatives in Presence of Surfactants", Ph. D.</p> <p>4. Effect of surfactants as corrosion inhibitors for Aluminium and Steel in Acidic Aqueous media, M.Sc.</p>
<p>Professional and scientific Activities (optional)</p>	<p>a. Member of the Organizing Committee for workshops held at Faculty of Science, Alexandria University.</p> <p>b. Member of the Egyptian Corrosion Society.</p> <p>e. Member of Intel Bibliotheca Alexandrina Science & Engineering Fair.</p>

Ossama Ali Abdullatef Mohammed

Lecturer
Faculty of Pharmacy and
Drug Manufacturing – PUA

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