

CURRICULUM VITAE

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Engineering Materials (CEREM),
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* **University Education:-**

- **Ph.D.** degree, thesis entitled: "Electrochemical Studies on the Pitting Corrosion of Copper in Aqueous Solutions", Al-Azhar University, Egypt, awarded Oct. 5th 2002.
- **M.Sc.** degree in Physical and Inorganic Chemistry, thesis entitled "Effect of Some Anions on the Galvanic Corrosion of Al-Cu Couple", Zagazig University, Egypt, awarded March 11th 1997.
- **Post graduate courses** as partial fulfilment of the requirements of the M.Sc. degree, Benha University, Egypt, 1992.
- **B.Sc. Chemistry (very good)**, Benha University, Egypt, Sept. 1987 - May 1991.

* **Employment:-**

- **Professor**, Center of Excellence for Research in Engineering Materials, College of Engineering, King Saud University, Riyadh 11421, Saudi Arabia, from May 2014 till present.
- **Professor** (on leave) from Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, Egypt, from May 2014 till present.
- **Associate Professor**, Center of Excellence for Research in Engineering Materials, College of Engineering, King Saud University, Riyadh 11421, Saudi Arabia, from October 2008 to April 2014.
- **Associate Professor**, Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, Egypt, from March 2008 to March 2014.
- **Assistant Professor**, Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, Egypt, from December 2002 - March 2008.
- **Researcher Assistant**, Electrochemistry and Corrosion Lab., Department of Physical Chemistry, National Research Centre, Egypt, March 1997 - December 2002.
- **Assistant Researcher**, Electrochemistry and Corrosion Laboratory, Department of Physical Chemistry, National Research Centre, Egypt, June 1996 - March 1997.
- **Research Student**, Electrochemistry & Corrosion Laboratory, Department of Physical Chemistry, National Research Centre (NRC), Egypt, January 1994 - June 1996.
- **Research Student**, Department of Chemistry, Faculty of Science, Benha University, Egypt, January 1992 - January 1994.

* **Fellowships:-**

1. **A Post-doctoral Fellow**, *DST/NRF Centre of Excellence in Strong Materials*, Physics Department, University of the Witwatersrand, Wits, 2050, Johannesburg, South Africa, from September 2005 to September 2008.
2. **A Post-doctoral Fellow**, *Korea Science and Engineering Foundation (KOSEF)*, Electrochemistry Lab., Chemistry Department, Pohang University of Science & Technology (*POSTECH*), Pohang, South Korea, from February 2004 to February 2005.

* **Social and Other Activities:-**

1. **Member of the Egyptian Syndicate of Scientific Professions.**
2. **Member of the Egyptian Corrosion Society (ECS).**
3. **Member of the American Nano Society (ANS);**
Homepage: <http://members.nanosociety.us/EMSherif>;
Membership ID: 117249.
4. **Editor, Journal of the Corrosion Engineering, Science and Technology (CEST);**
Journal's home page: (<http://www.ingentaconnect.com/content/maney/cest>)
Editorial Board home page: (<http://maneypublishing.com/index.php/journals/cst/>)
5. **Editor-in-Chief**, African Corrosion Journal (home page: www.africorr.org.za)
6. **Quality Assurance Representative** for the Center of Excellence for Research in Engineering Materials (CEREM) for getting the ISO qualifications.
7. **A potential referee** for many peer reviewed international and local journals.
8. **Reviewed** more than 10 Ph.D. and 20 M.Sc. locally and internationally.
9. **Training and supervising** under and post graduate students in College of Engineering in KSU.

* **Awards:-**

1. **The Quality of scientific research award (2nd place) and the Shield of King Saud University** from King Saud University, Saudi Arabia for the quality of my publications. **The award was given on May 2013.**
2. **The best Researcher award (1st place)** from the College of Engineering, King Saud University, Saudi Arabia for the publication record during the academic year 2012/20113. **The award was given on May 2013.**
3. **The best Researcher award (1st place)** from the College of Engineering, King Saud University, Saudi Arabia for the publication record during the academic year 2011/20112. **The award was given on May 2012.**
4. **The best Researcher award (4th place)** from the College of Engineering, King Saud University, Saudi Arabia for the publication record during the academic year 2010/2011. **The award was given on June 2011.**

* **List of publications (ISI Journals):-**

1. Asiful Hossain Seikh, Ashfaq Mohammad, **El-Sayed M. Sherif** and Abdulrahman Al-Ahmari, Corrosion Behavior in 3.5% NaCl Solutions of γ -TiAl Processed by Electron Beam Melting Process, **Matels**, Vol. 5, 3rd Dec., P. 2289-2302 (2015).
2. **El-Sayed M. Sherif**, Hany S. Abdo, Khalil Abdelrazik Khalil and Ahmed M. Nabawy, Corrosion Properties in Sodium Chloride Solutions of Al-TiC Composites in situ Synthesized by HFIHF, **Matels**, Vol. 5, 8th Oct., P. 1799-1811 (2015).
3. **El-Sayed M. Sherif**, Magdy M. El Rayes, Corrosion Behavior of API 2H and API 4F Steels in Freely Aerated 4.0 % Sodium Chloride Solutions, **International Journal of Electrochemical Science**, Vol. 10, issue 7, P. 7493-7504 (2015).
4. **El-Sayed M. Sherif**, Hany S. Abdo, Sherif Zein El Abedin, Corrosion Inhibition of Cast Iron in Arabian Gulf Seawater by Two Different Ionic Liquids, **Materials**, Vol. 8, issue 5, P. 3883-3895 (2015).
5. Ubair Abdus Samad, Mohammad Asif Alam, **El-Sayed M. Sherif**, Othman Alothman, Asiful H. Seikh and Saeed Al-Zahrani, *Manufacturing and Characterization of Corrosion Resistant Epoxy/2Pack Coatings Incorporated with Polyaniline Conductive Polymer*, **International Journal of Electrochemical Science**, Vol. 10, issue 7, P. 5599-5613 (2015).

6. A. N. AlHazza, **El-Sayed M. Sherif**, H. S. Abdo, *Galvanic Corrosion in 3.5 wt. % NaCl Solutions of Magnesium alloy AZ31 Coupled with Ni After Different Bonding Periods of Time*, **International Journal of Electrochemical Science**, Vol. 10, issue 7, P. 5420-5433 (2015).
7. **El-Sayed M. Sherif**, Hany S. Abdo, A. A. Almajid, *Corrosion behavior of cast iron in freely aerated stagnant Arabian Gulf seawater*, **Materials**, Vol. 8, issue 5, P. 2127-2138 (2015).
8. D. Gopi, **El-Sayed M. Sherif**, M. Surendiran, D. M. Angeline Sakila and L. Kavitha, *Corrosion inhibition by benzotriazole derivatives and sodium dodecyl sulphate as corrosion inhibitors for copper in ground water at different temperatures*, **Surface and Interface Analysis**, Vol. 47, issue 5, P. 618-625, (2015).
9. A. N. AlHazza and **El-Sayed M. Sherif**, *Corrosion Behavior of Al7075, Ti-6Al-4V, and Sn-3.6Ag-1Cu Alloys in 3.0 wt.% Sodium Chloride Solutions Using Potentiodynamic Polarization Measurements*, **International Journal of Electrochemical Science**, Vol. 10, issue 4, P. 4193-4207 (2015).
10. Fahamsyah H. Latief, **El-Sayed M. Sherif**, Koji Kakehi, *Role of Aluminide Coating on Oxidation Resistance of Ni-Based Single Crystal Superalloy at 900 °C*, **International Journal of Electrochemical Science**, Vol. 10, issue 2, P. 1873-1882 (2015).
11. **El-Sayed M. Sherif**, Asiful H. Seikh, *Effect of Exposure Period and Temperature on the Corrosion of Incoloy® Alloy 800™ in Hydrochloric Acid Pickling Solutions*, **International Journal of Electrochemical Science**, Vol. 10, issue 2, P. 1843-1854 (2015).
12. **El-Sayed M. Sherif**, Adel Taha Abbas, Hossam Halfa, and A. M. El-Shamy, *Corrosion of High Strength Steel in Concentrated Sulfuric Acid Pickling Solutions and Its Inhibition by 3-Amino-5-mercapto-1,2,3-triazole*, **International Journal of Electrochemical Science**, Vol. 10, issue 2, P. 1777-1791 (2015).
13. Asiful H. Seikh, **El-Sayed M. Sherif**, *Effects of Immersion Time and Temperature on the Corrosion of API 5L Grade X-65 Steel in 1.0 M H₂SO₄ Pickling Solution*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 895-908 (2015).
14. Asiful H. Seikh, **El-Sayed M. Sherif**, Hossam Halfa, *Electrochemical Corrosion Behavior of C-250 Maraging Steel Grade in Sulfuric Acid Pickling Solution*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 883-894 (2015).
15. **El-Sayed M. Sherif**, Hany Rizk Ammar, Khalil Abdelrazek Khalil, *A Comparative Study on the Electrochemical Corrosion Behavior of Microcrystalline and Nanocrystalline Aluminum in Natural Seawater*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 775-785 (2015).
16. **El-Sayed M. Sherif**, Mohammad Asif Alam, Saeed M. Al-Zahrani, *Fabrication of Different Protective Coatings and Studying their Mechanical Properties and Corrosion Behavior in Sodium Chloride Solutions*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 373-387 (2015).
17. **El-Sayed M. Sherif**, Asiful H. Seikh, *Anodic Dissolution in Sulfuric Acid Pickling Solutions of the API Pipeline X70 Grade Steel*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 209-222 (2015).
18. **El-Sayed M. Sherif**, A. A. Almajid, *Electrochemical Corrosion Behavior of API X-70 5L Grade Steel in 4.0 wt. % Sodium Chloride Solutions after Different Immersion Periods of Time*, **International Journal of Electrochemical Science**, Vol. 10, issue 1, P. 34-45 (2015).
19. Hany Rizk Ammar, Khalil Abdelrazek Khalil, **El-Sayed M. Sherif**, *Thermally Stable Nanocrystalline Aluminum Alloys Processed by Mechanical Alloying and High Frequency Induction Heat Sintering*. **International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering**, Vol. 9 No. 1, pp. 154-164 (2015).
20. **El-Sayed M. Sherif**, Adel Taha Abbas, D. Gopi, A. M. El-Shamy, *Corrosion and Corrosion Inhibition of High Strength Low Alloy Steel in 2.0M Sulfuric Acid Solutions by 3-Amino-1,2,3-triazole as a Corrosion Inhibitor*, **Journal of Chemistry**, Vol. 2014 (2014), Article ID 538794, 8 pages, <http://dx.doi.org/10.1155/2014/538794>
21. D. Gopi, **El-Sayed M. Sherif**, D. Rajeswari, L. Kavitha, R. Pramod, Jishnu Dwivedi, S. R. Polaki, *“Evaluation of the mechanical and corrosion protection performance of electrodeposited hydroxyapatite on the high energy electron beam treated titanium alloy”*, **Journal of Alloys and Compounds**, Vol. 616, 15 December (2014) 498-504; DOI: 10.1016/j.jallcom.2014.07.160.
22. D. Gopi, **El-Sayed M. Sherif**, M. Surendiran, M. Jothi, P. Kumaradhas, L. Kavitha, *“Experimental and theoretical investigations on the inhibition of mild steel corrosion in ground water medium using newly*

- synthesised bipodal and tripodal imidazole derivatives*”, **Materials Chemistry and Physics**, Vol. 147, 15 October (2014) 572-582; <http://dx.doi.org/10.1016/j.matchemphys.2014.05.033>.
23. **El-Sayed M. Sherif**, “A comparative study on the electrochemical corrosion behavior of iron and X-65 steel in 4.0 wt.% sodium chloride solution after different exposure intervals”, **Molecules**, Vol. 19 (2014) 9962-9974; doi:10.3390/molecules19079962.
 24. Fahamsyah H. Latief , Koji Kakehi, and **El-Sayed M. Sherif**, *High temperature oxidation behavior of aluminide on a Ni-based single crystal superalloy in different surface orientations*, **Progress in Natural Science: Materials International**, Vol. 24 (2014) 163-170.
 25. **El-Sayed M. Sherif**, Hany Rizk Ammar, Khalil A Khalil “Effects of copper and titanium on the corrosion behavior of newly fabricated nanocrystalline aluminum in natural seawater”, **Applied Surface Science**, Vol. 301 (2014) 142-148.
 26. **El-Sayed M. Sherif** and Abdulhakim A. Almajid, “Anodic Dissolution of API X70 Pipeline Steel in Arabian Gulf Seawater after Different Exposure Intervals”, **Journal of Chemistry**, Vol. 2014 (2014), Article ID 753041, 7 pages, <http://dx.doi.org/10.1155/2014/753041>.
 27. D. Gopi, **El-Sayed M. Sherif**, V. Manivannan, D. Rajeswari, M. Surendiran, and L. Kavitha, “Corrosion and corrosion inhibition of mild steel in ground water at different temperatures by newly synthesized benzotriazole and phosphono derivatives”, **Industrial & Engineering Chemistry Research**, Vol. 53, issue 11 (2014) 4286–4294.
 28. **El-Sayed M. Sherif**, “Corrosion inhibition in 2.0 M sulfuric acid solutions of high strength maraging steel by aminophenyl tetrazole as a corrosion inhibitor”, **Applied Surface Science**, Vol. 292, 15 Feb. (2014) 190-196.
 29. H. S. Abdo, K. A. Khalil, Salem S. Al-Deyab, H. Altaieb, and **El-Sayed M. Sherif**, “Antibacterial Effect of Carbon Nanofibers Containing Ag Nanoparticles”, **Fibers and Polymers**, Vol. 14, issue 12 (2013) 1485–1992.
 30. **El-Sayed M. Sherif** * and Asiful H. Seikh, “Effects of immersion time and 5-phenyl-1H-tetrazole on the corrosion and corrosion mitigation of cobalt free maraging steel in 0.5 M sulfuric acid pickling solutions”, **Journal of Chemistry**, Vol. 2013 (2013) Article ID 497823, 7 pages, <http://dx.doi.org/10.1155/2013/497823>.
 31. **El-Sayed M. Sherif** *, “Comparative Study on the Inhibition of Iron Corrosion in Aerated Stagnant 3.5 wt % Sodium Chloride Solutions by 5-Phenyl-1H-tetrazole and 3-Amino-1,2,4-triazole”, **Industrial & Engineering Chemistry Research**, Vol. 52, issue 41 (2013) 14507–14513.
 32. **El-Sayed M. Sherif**, “Electrochemical investigations on the corrosion inhibition of aluminum by 3-amino-1,2,4-triazole-5-thiol in naturally aerated stagnant seawater”, **Journal of Industrial and Engineering Chemistry**, Vol. 19, issue 6 (2013) 1884–1889.
 33. **El-Sayed M. Sherif**, Abdulhakim A. Almajid, Khalil Abdelrazek Khalil, Harri Junaedi, F. H. Latief, *Electrochemical Studies on the Corrosion Behavior of API X65 Pipeline Steel in Chloride Solutions*, **International Journal of Electrochemical Science**, Vol. 8, issue 7 (2013) 9360 – 9370.
 34. Mohammad Asif Alam, **El-Sayed M. Sherif**, Saeed M. Al-Zahrani, “Mechanical Properties and Corrosion Behavior of Different Coatings Fabricated by Diglycidyl Ether of Bisphenol-A Epoxy Resin and Aradur®-3282 Curing Agent”, **International Journal of Electrochemical Science**, Vol. 8, issue 6 (2013) 8388-8400.
 35. Mohammad Asif Alam, **El-Sayed M. Sherif**, Saeed M. Al-Zahrani, “Fabrication of Various Epoxy Coatings for offshore applications and evaluating their mechanical properties and corrosion behavior”, **International Journal of Electrochemical Science**, Vol. 8 (2013) 3121-3131.
 36. **El-Sayed M. Sherif**, Mahmoud S. Soliman, Ehab A. El-Danaf, A.A. Almajid, *Effect of Equal-Channel Angular Pressing Passes on the Corrosion Behavior of 1050 Aluminum Alloy in Natural Seawater* , **International Journal of Electrochemical Science**, Vol. 8, issue 1 (2013) P. 1103 – 1116.
 37. Khalil Abdelrazek Khalil, Abdulhakim A. Almajid, Ehab A. El-Danaf, Magdy M. El Rayes, **El-Sayed M. Sherif**, “Direct Fabrication of Yttrium Aluminium Garnet Nanofibers by Electrospinning”, **International Journal of Electrochemical Science**, Vol. 7, issue 12, P. 12218 – 12226 (2012).
 38. Mahir Es-saheb, **El-Sayed M. Sherif**, Ahmed A. Elzatahry, Magdy M. El Rayes, Khalil Abdelrazek Khalil, “Corrosion Passivation in Aerated 3.5% NaCl Solutions of Brass by Nanofiber Coatings of Polyvinyl Chloride and Polystyrene”, **International Journal of Electrochemical Science**, Vol. 7, issue 11, November (2012) P. 10442-10455.

39. F.H. Latief, **El-Sayed M. Sherif**, "Effects of sintering temperature and graphite addition on the mechanical properties of aluminum", **Journal of Industrial and Engineering Chemistry** Vol. 18, issue 6, November (2012) P. 2129–2134.
40. **El-Sayed M. Sherif**, Asiful H. Seikh, "Effects of Grain Refinement on the Corrosion Behaviour of Microalloyed Steel in Sulphuric Acid Solutions", **International Journal of Electrochemical Science**, Vol. 7, issue 8, August (2012) P. 7567-7578.
41. **El-Sayed M. Sherif**, Mahir Es-saheb, Ahmed A. Elzatahry El-Refaie kenawy, Ahmad S. Alkaraki "Coating Electrospun Polyvinyl Alcohol and Polyvinyl Chloride Fibers As Corrosion Passivation Applications", **International Journal of Electrochemical Science**, Vol. 7, issue 7, July (2012) P. 6154-6167.
42. Mahir Es-saheb, Ahmed A. Elzatahry, **El-Sayed M. Sherif**, Ahmad S. Alkaraki, El-Refaie kenawy, "A Novel Electrospinning Application for Polyvinyl Chloride Nanofiber Coating Deposition as a Corrosion Inhibitor for Aluminum, Steel, and Brass in Chloride Solutions", **International Journal of Electrochemical Science**, Vol. 7, issue 7, July (2012) P. 5962-5976.
43. **El-Sayed M. Sherif**, "A Comparative Study on the Effects of 5-(3-Aminophenyl)-tetrazole on the Inhibition of Magnesium Corrosion in Natural Seawater and 3.5 wt.% NaCl Solutions", **International Journal of Electrochemical Science**, Vol. 7, issue 6, P. 5084-5099 (2012).
44. **El-Sayed M. Sherif**, "Effects of 3-Amino-1,2,4-triazole-5-thiol on the Inhibition of Pure Aluminum Corrosion in Aerated Stagnant 3.5 wt.% NaCl Solution as a Corrosion Inhibitor", **International Journal of Electrochemical Science**, Vol. 7, issue 6, P. 4847-4859 (2012).
45. **El-Sayed M. Sherif**, "Corrosion Inhibition in Chloride Solutions of Iron by 3-Amino-1,2,4-triazole-5-thiol and 1,1'-Thiocarbonyldiimidazole", **International Journal of Electrochemical Science**, Vol. 7, issue 6, P. 4834-4846 (2012).
46. **El-Sayed M. Sherif**, F.H. Latief, Harri Junaedi, A.A. Almajid, "Influence of Exfoliated Graphite Nanoplatelets Particles Additions and Sintering Temperature on the Mechanical Properties of Aluminum Matrix Composites", **International Journal of Electrochemical Science**, Vol. 7, issue 5, P. 4352 – 4361 (2012).
47. **El-Sayed M. Sherif**, "Corrosion Behavior of Magnesium in Naturally Aerated Stagnant Seawater and 3.5% Sodium Chloride Solutions", **International Journal of Electrochemical Science**, Vol. 7, issue 5, P. 4235 – 4249 (2012).
48. **El-Sayed M. Sherif**, Ehab A. El-Danaf, Mahmoud S. Soliman, A.A. Almajid, "Corrosion Passivation in Natural Seawater of Aluminum Alloy 1050 Processed by Equal-Channel-Angular-Press", **International Journal of Electrochemical Science**, Vol. 7, issue 4, P. 2846-2859 (2012).
49. **El-Sayed M. Sherif**, "Inhibition of Copper Corrosion Reactions in Neutral and Acidic Chloride Solutions by 5-Ethyl-1,3,4-thiadiazol-2-amine as a Corrosion Inhibitor", **International Journal of Electrochemical Science**, Vol. 7, issue 4, P. 2832 – 2845 (2012).
50. **El-Sayed M. Sherif**, A.A. Almajid, A.K. Bairamov, Eissa Al-Zahrani, "A comparative Study on the Corrosion of Monel-400 in Aerated and Deaerated Arabian Gulf Water and 3.5% Sodium Chloride Solutions", **International Journal of Electrochemical Science**, Vol. 7, issue 4, P. 2796 – 2810 (2012).
51. **El-Sayed M. Sherif**, "Effects of exposure time on the anodic dissolution of Monel-400 in aerated stagnant sodium chloride solutions", **Journal of Solid State Electrochemistry**, Vol. 16, number 3, P. 891-899 (2012).
52. **El-Sayed M. Sherif**, "Corrosion of Duplex Stainless Steel Alloy 2209 in Acidic and Neutral Chloride Solutions and its Passivation by Ruthenium as an Alloying Element", **International Journal of Electrochemical Science**, Vol. 7, issue 3, P. 2374 - 2388 (2012).
53. **El-Sayed M. Sherif**, "Corrosion Behavior of Copper in 0.50 M Hydrochloric Acid Pickling Solutions and its Inhibition by 3-Amino-1,2,4-triazole and 3-Amino-5-mercapto-1,2,4-triazole", **International Journal of Electrochemical Science**, Vol. 7, issue 3, P. 1884 – 1897 (2012).
54. **El-Sayed M. Sherif**, "Electrochemical and Gravimetric Study on the Corrosion and Corrosion Inhibition of Pure Copper in Sodium Chloride Solutions by Two Azole Derivatives", **International Journal of Electrochemical Science**, Vol. 7, issue 2, P. 1482 – 1495 (2012).
55. Khalil Abdelrazek Khalil, **El-Sayed M. Sherif**, A. A. Almajid, "Corrosion passivation in Simulated Body Fluid of Magnesium / Hydroxyapatite Nanocomposites Sintered by High Frequency Induction Heating", **International Journal of Electrochemical Science**, Vol. 6, issue 12, P. 6184 - 6199 (2011).

56. **El-Sayed M. Sherif**, "Effects of 5-(3-Aminophenyl)-tetrazole as a Corrosion Inhibitor on the Corrosion of Mg/Mn alloy in Arabian Gulf Water" **International Journal of Electrochemical Science**, Vol. 6, issue 11, P. 5372 - 5387 (2011).
57. **El-Sayed M. Sherif**, A. A. Almajid, A. K. Bairamov, Eissa Al-Zahrani, "Anodic dissolution of Monel-400 in aerated stagnant Arabian Gulf seawater after different exposure intervals" **International Journal of Electrochemical Science**, Vol. 6, issue 11, P. 5430 - 5444 (2011).
58. F. H. Latief, **El-Sayed M. Sherif**, A.A. Almajid, Harri Junaedi, "Fabrication of exfoliated graphite nanoplatelets-reinforced aluminum composites and evaluating their mechanical properties and corrosion behavior" **Journal of Analytical and Applied Pyrolysis**, Vol. 92, P. 485 - 492 (2011).
59. **El-Sayed M. Sherif**, "Corrosion and Corrosion Inhibition of Pure Iron in Neutral Chloride Solutions by 1,1'-Thiocarbonyldiimidazole", **International Journal of Electrochemical Science**, Vol. 6, issue 8, P. 3077 - 3092 (2011).
60. **El-Sayed M. Sherif**, "Corrosion Behavior of Duplex Stainless Steel Alloy Cathodically Modified with Minor Ruthenium Additions in Concentrated Sulfuric Acid Solutions", **International Journal of Electrochemical Science**, Vol. 6, issue 7, P. 2284 - 2298 (2011).
61. **El-Sayed M. Sherif**, A.A. Almajid, "Corrosion of Magnesium/Manganese Alloy in Chloride Solutions and its Inhibition by 5-(3-Aminophenyl)-tetrazole", **International Journal of Electrochemical Science**, Vol. 6, issue 6, P. 2131 - 2148 (2011).
62. **El-Sayed M. Sherif**, "Effects of 5-(3-aminophenyl)-tetrazole on the inhibition of unalloyed iron corrosion in aerated 3.5% sodium chloride solutions as a corrosion inhibitor" **Materials Chemistry and Physics**, Vol. 129, P. 961- 967 (2011).
63. **El-Sayed M. Sherif**, "Corrosion and Corrosion Inhibition of Aluminum in Arabian Gulf Seawater and Sodium Chloride Solutions by 3-Amino-5-Mercapto-1,2,4-Triazole", **International Journal of Electrochemical Science**, Vol. 6, issue 5, P. 1479-1492 (2011).
64. **El-Sayed M. Sherif**, A.A. Almajid, Fahamsyah Hamdan Latif, Harri Junaedi, "Effects of Graphite on the Corrosion Behavior of Aluminum-Graphite Composite in Sodium Chloride Solutions" **International Journal of Electrochemical Science**, Vol. 6, issue 4, P. 1085 - 1099 (2011).
65. **El-Sayed M. Sherif** and A.H. Ahmed, "Synthesize of new hydrazone derivatives and studying their effects on the inhibition of copper corrosion in sodium chloride solutions", **Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry**, Vol. 40, issue 6, P. 365-372 (2010).
66. **El-Sayed M. Sherif** and Abdulhakim A. Almajid, "Surface protection of copper in aerated 3.5% sodium chloride solutions by 3-amino-5-mercapto-1,2,4-triazole as a copper corrosion inhibitor" **Journal of Applied Electrochemistry**, Vol. 40, issue 8, P. 1555-1562 (2010).
67. **El-Sayed M. Sherif**, "Corrosion Mitigation of Copper in Acidic Chloride Pickling Solutions by 2-Amino-5-ethyl-1,3,4-thiadiazole", **Journal of Materials Engineering and Performance**, Vol. 19, issue 6, P. 873-879 (2010).
68. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "In-situ Raman spectroscopy and electrochemical techniques for studying corrosion and corrosion inhibition of iron in sodium chloride solutions", **Electrochimica Acta**, Vol. 55, issue 11, P. 3657-3663 (2010).
69. **El-Sayed M. Sherif**, J.H. Potgieter, J.D. Comins, L. Cornish, P.A. Olubambi, and C.N. Machio, "Effects of minor additions of ruthenium on the passivation of duplex stainless steel corrosion in concentrated hydrochloric acid solutions", **Journal of Applied Electrochemistry**, Vol. 39, No. 8, P. 1385 (2009).
70. **El-Sayed M. Sherif**, J.H. Potgieter, J.D. Comins, L. Cornish, P.A. Olubambi, and C.N. Machio, "The beneficial effect of ruthenium additions on the passivation of duplex stainless steel corrosion in sodium chloride solutions", **Corrosion Science**, Vol. 51, No. 6, P. 1364 (2009).
71. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "Inhibition of corrosion processes on copper in sodium chloride solutions by 5-(3-aminophenyl)-tetrazole", **Journal of Applied Electrochemistry**, Vol. 39, No. 1, P. 83 (2009).
72. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "Inhibition of copper corrosion in acidic chloride pickling solutions by 5-(3-Aminophenyl)-tetrazole as a corrosion inhibitor", **Corrosion Science**, Vol. 50, No. 12, P. 3439 (2008).

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74. **El-Sayed M. Sherif**, R.M. Erasmus and J.D. Comins, "Effects of 3-amino-1,2,4-triazole on the inhibition of copper corrosion in acidic chloride solutions" **Journal of Colloid and Interface Science**, Vol. 311, No. 1, P. 144-151 (2007).
75. **El-Sayed M. Sherif**, R.M. Erasmus and J.D. Comins, "Corrosion of copper in aerated synthetic sea water solutions and its inhibition by 3-Amino-1,2,4-triazole" **Journal of Colloid and Interface Science**, Vol. 309, No. 2, P. 470-477 (2007).
76. **El-Sayed M. Sherif**, R.M. Erasmus and J.D. Comins, "Corrosion of copper in aerated acidic pickling solutions and its inhibition by 3-amino-1,2,4-triazole-5-thiol" **Journal of Colloid and Interface Science**, Vol. 306, No. 1, P. 96-104 (2007).
77. **El-Sayed M. Sherif**, A.M. El Shamy, M.M. Ramla, A.O.H. El Nazhawy, "5-(Phenyl)-4H-1,2,4-triazole-3-thiol as a corrosion inhibitor for copper in 3.5% NaCl solutions", **Materials Chemistry and Physics**, Vol. 102, No. 2-3, P. 231-239 (2007).
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85. **A. El Warraky, H.A. El Shayeb and E.M. Sherif**, "Pitting Corrosion of Copper in Chloride Solutions" **Anti-Corrosion Methods & Materials**, Vol. 51, No. 1, P. 52 (2004).
86. **A.A. El Warraky, H.A. El Shayeb and E.M. Sherif**, "Pitting Corrosion of Copper in Chloride Solutions containing Sodium Bicarbonate" **Egypt. J. Chem.**, Vol. 47, No. 6, P. 657 (2004).
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88. **H.A. El Shayeb, A.A. El Warraky and E.M. Sherif**, "A Study of the Behaviour of Al, Cu and Al-Cu couple in Sodium Carbonate solutions", **Egypt. J. Chem.**, Vol. 42, No.2, P. 99 (1999).

* **Participation in international and national conferences:-**

1. **El-Sayed M. Sherif**, Hany R. Ammar, and Khalil A. Khalil, Manufacturing of thermally stable nanocrystalline aluminum alloys and studying their corrosion behavior in Arabian Gulf seawater, the 2015 TechConnect World Innovation Conference and Expo, to be held June 14-17, 2015, in National Harbor, Maryland, U.S.A. at the Gaylord National Resort and Convention Center.
2. **El-Sayed M. Sherif**, Delegate, The 3rd Saudi International Nanotechnology Conference 2014 (3SINC), 1-3 December 2014 / 9-11 SAFAR, 1436H at KACST Headquarters – Conference Hall - Building 36 - King Abdullah Road - Riyadh – Kingdom of Saudi Arabia.
3. Asiful H. Seikh, Hossam Halfa, **El-Sayed M. Sherif**, "Corrosion resistance performance of newly developed Cobalt-free Maraging Steel over Conventional Maraging Steel in Acidic media", **PAPER ID: 326**,

- Proceedings of the 2014 Advances in Materials and Processing Technology (AMPT) Conference** in Dubai, UAE, from 16 to 20 November 2014.
4. Hany R. Ammar, Khalil A. Khalil and **El-Sayed M. Sherif**, “Thermally Stable Nanocrystalline Aluminum Alloys Processed by Mechanical Alloying and High Frequency Induction Heat Sintering” Proceedings of the **XIII International Conference on Materials Science and Engineering (ICMSE 2015), 23-25 January 2015, Paris – France.**
 5. Hany R. Ammar, Khalil A. Khalil and **El-Sayed M. Sherif**, “Synthesizing Thermally Stable Nanocrystalline Aluminum Alloys Using Mechanical Alloying” **PAPER CODE: MET 05-2014, 12th International Conference on Mining, Petroleum and Metallurgical Engineering (MPM12), 20-22 October 2014 at Suez University, Suez, Egypt.**
 6. **El-Sayed M. Sherif**, Delegate, the **2nd Saudi International Water Technology Conference 2014, 23 – 25 February 2014** at KACST Headquarters – Conference Hall - Building 36 - King Abdullah Road - Riyadh - Saudi Arabia.
 7. **El-Sayed M. Sherif**, “Corrosion of Maraging Steel in Concentrated Sulfuric Acid Solutions and its Inhibition by 5-(3-Aminophenyl)-Tetrazole as a Corrosion Inhibitor” Proceedings of the **15th Middle East Corrosion Conference & Exhibition 2014 (MECCE)**, 2-5 February 2014, Gulf Hotel, Manama, Kingdom of Bahrain.
 8. **El-Sayed M. Sherif**, Delegate, **The Saudi International Advanced Materials Technologies Conference 2012 The International Conference for Building Technologies, 3 – 5 December 2012** at KACST Headquarters – Conference Hall - Building 36 - King Abdullah Road - Riyadh - Saudi Arabia.
 9. **El-Sayed M. Sherif**, “Corrosion and Corrosion Inhibition of Pure Iron in Neutral Chloride Solutions by 1,1'-Thiocarbonyldiimidazole” Proceedings of the **14th Middle East Corrosion Conference & Exhibition 2012 (MECCE)**, 12-15 February 2012, Gulf Hotel, Manama, Kingdom of Bahrain.
 10. **El-Sayed M. Sherif**, “Effects of Exposure Time and 5-(3-Aminophenyl)-tetrazole on the Corrosion and Corrosion Inhibition of Magnesium/Manganese Alloy in Chloride Solutions” Proceedings of the **14th Middle East Corrosion Conference & Exhibition 2012 (MECCE)**, 12-15 February 2012, Gulf Hotel, Manama, Kingdom of Bahrain.
 11. **El-Sayed M. Sherif**, “Influence of ruthenium additions on the corrosion behaviour of duplex stainless steel in concentrated sulphuric acid solutions” **The Saudi International Advanced Materials Technologies Conference**, 17-19 October 2011, KACST, Riyadh, Saudi Arabia.
 12. **El-Sayed M. Sherif**, A.A. Almajid, “Corrosion of Magnesium/Manganese Alloy in Natural Arabian Gulf Water and its Control by 5-(3-Aminophenyl)-tetrazole as a Corrosion Inhibitor” **1st International Conference on Desalination and Environment: A Water Summit (ICODE 2011)**, 29 October - 1 November, 2011, in Beach Rotana, Abu Dhabi, United Arab Emirates.
 13. **El-Sayed M. Sherif**, A.A. Almajid, “Electrochemical Behavior and Corrosion Performance of Spirally Welded Steel Pipes in Arabian Gulf Seawater” **1st International Conference on Desalination and Environment: A Water Summit (ICODE 2011)**, 29 October - 1 November, 2011, in Beach Rotana, Abu Dhabi, United Arab Emirates.
 14. **El-Sayed M. Sherif**, “Electrochemical corrosion behavior of Aluminum in Arabian Gulf Seawater and Sodium Chloride Solutions and its inhibition by 3-Amino-5-Mercapto-1,2,4-Triazole”, **The 1st NACE-Jubail Industrial Forum and Exhibition**, 17th - 19th October 2011, Jubail Industrial College, Al-Jubail Industrial City, Saudi Arabia.
 15. **El-Sayed M. Sherif**, *Jubail Corrosion Conference and Exhibition* that was held Jubail Industrial City (Jubail) and was organized by the Royal Commission for Jubail and Yanbu in association with NACE (Jubail Section) in the period from 25 to 26 October 2010.
 16. **El-Sayed M. Sherif** and Abdulhakim A. Almajid, “Effects of 3-Amino-5-mercapto-1,2,4-triazole on the inhibition of copper corrosion in highly saline water” Proceedings of the **13th Middle East Corrosion Conference & Exhibition (MECC)**, Bahrain 14-17 Feb. 2010.

17. **El-Sayed M. Sherif** and Abdulhakim A. Almajid, "*Influence of ruthenium additions on the passivation of 22%Cr–9%Ni–3%Mo duplex stainless-steel corrosion in 10% sulphuric acid solutions*" 13th Middle East Corrosion Conference & Exhibition (MECC), Bahrain 14-17 Feb. 2010.
18. **El-Sayed M. Sherif**, J.H. Potgieter, J.D. Comins, L. Cornish, C.N. Machio, and P.A. Olubambi, "*Effects of minor additions of ruthenium on the passivation of duplex stainless steel corrosion in aerated acidic chloride pickling solutions*", **Proc. 26th Annual Conference, Corrosion Challenges in Industry**, 26 – 28 November 2007, Paper No. 19 [CD-Rom], Al-Ismailia, Egypt.
19. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*Inhibition of copper corrosion in aerated sodium chloride solutions by 5-(3-aminophenyl)-tetrazole as a corrosion inhibitor*", The 26th Annual Conference, Corrosion Challenges in Industry, 26 – 28 November 2007, Al-Ismailia, Egypt.
20. **El-Sayed M. Sherif**, J.H. Potgieter, J.D. Comins, L. Cornish, P.A. Olubambi, and C.N. Machio, "*Effect of ruthenium addition on the passivation of duplex stainless steel in aerated 3.5% NaCl solutions*", **Proc. EuroCorr 2007** (9-13 Sept. 2007), Paper No. 1395 [CD-Rom], Freiburg, Germany.
21. J.H. Potgieter, C.N. Machio, and **El-Sayed M. Sherif**, "*The corrosion behaviour of a superferritic stainless steel containing small amounts of noble metals in sulphuric acid and acidified chloride solutions*", **Proc. EuroCorr 2007** (9-13 Sept. 2007), Paper No. 1410 [CD-Rom], Freiburg, Germany.
22. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*Inhibition of copper corrosion in aerated acidic pickling solutions by 5-(3-aminophenyl)-tetrazole*", 52nd Annual Conference of the South African Institute of Physics (SAIP) 2-6 July 2007, University of the Witwatersrand, South Africa.
23. **El-Sayed M. Sherif**, and A.H. Ahmed, "*Inhibition of copper corrosion in aerated sodium chloride solutions by new synthesized hydrazone derivatives*", 52nd Annual Conference of the South African Institute of Physics (SAIP) 2-6 July 2007, University of the Witwatersrand, South Africa.
24. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*In-Situ Raman spectroscopy and electrochemical techniques for studying corrosion and corrosion inhibition of iron in sea water*", DST/NRF Centre of Excellence in Strong Materials Workshop, 25 April 2007, Senate House, University of the Witwatersrand, South Africa.
25. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*Corrosion of copper in aerated acidic chloride pickling solutions and its inhibition by organic corrosion inhibitors*" Corrosion Investigation and Mitigation Conference (17-19 April 2007) Southern Sun, Johannesburg International, South Africa (**invited speaker**).
26. **El-Sayed M. Sherif**, R. M. Erasmus, and J. D. Comins, "*Corrosion Control of Copper in Aerated Acidic Chloride Pickling Solutions by 3-Amino-1,2,4-Triazole*" 38th Convention of the South African Chemical Institute (SACI), 3-8 December 2006, University of KwaZulu-Natal, Howard College Campus, South Africa.
27. **El-Sayed M. Sherif**, R. M. Erasmus, and J. D. Comins, "*Corrosion of copper in aerated acidic pickling solutions and its inhibition by 3-amino-1,2,4-triazole-5-thiol*" 8th International Corrosion Conference Organised by Corrosion Institute of South Africa and South African Institute of Mining and Metallurgy (SAIMM) on 14-15 November 2006, The South African National Museum of Military History, Saxonwold, Johannesburg, South Africa.
28. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*Corrosion control of copper in aerated sea water by 3-amino-1,2,4-triazole as a corrosion inhibitor*" 51st Annual Conference of the South African Institute of Physics (SAIP) 3-7 July 2006, University of the Western Cape Campus, South Africa.
29. **El-Sayed M. Sherif**, R.M. Erasmus, and J.D. Comins, "*Corrosion of copper in aerated synthetic sea water solutions and its inhibition by 3-amino-1,2,4-triazole*" International Electrokinetics Conference (ELKIN) - June 25-29, 2006 - Nancy (France).
30. Su-Moon Park and **E.M. Sherif**, "*Studies on Corrosion Reactions Employing Nontraditional Electrochemical Techniques*", **Proc. 24th Ann. Conf., Corrosion Problems in Industry** 5 – 8 December 2005, Paper No. 16 [CD-Rom], Hurgada, Egypt.
31. **El-Sayed M. Sherif**, "*Pitting corrosion of copper in aqueous solutions*", Corrosion Problems in Industry (4 May 2005) organised by Department of Physical Chemistry, National Research Centre, Dokki, Cairo, Egypt.

32. H.A. El Shayeb, A.A. El Warraky and **El-Sayed M. Sherif**, "Pitting Corrosion of Copper in Chloride Solutions" in proc. of 21st Ann. Conf. on Corrosion Problems in Industry, Sharm El Shiekh, Egypt, Vol. 2 (2002).
33. H.A. El Shayeb, A.A. El Warraky and **El-Sayed M. Sherif**, "Pitting Corrosion of Copper in Chloride Solutions containing Sodium Bicarbonate" in Proc. of the 18th. Conf. on Corrosion Problems in Industry, Al-Ismailia, Egypt, Vol. 1, (1999).
34. H. A. El Shayeb, A. A. El Warraky and **El-Sayed M. Sherif**, "A Study of the Behaviour of Al, Cu and Al-Cu couple in Sodium Carbonate solutions", in Proc. of the 16th Ann. Conf. on Corrosion Problems in Industry, Hurghada, Egypt, Vol. 2, (1997).
35. H. A. El Shayeb, A. A. El Warraky and **El-Sayed M. Sherif**, "Electrochemical Behaviour of Al, Cu and Al-Cu Couple in Sodium Sulphide Solutions", 14th Egyptian Chem. Conf., National Research Centre, Dokki, Cairo, Egypt (1996).

*** List of Books:-**

1. **A Book Chapter: El-Sayed M. Sherif, Chapter 20 - The Role of Corrosion Inhibitors in Protecting Metallic Structures against Corrosion in Harsh Environments**, in the book titled "The Role of Colloidal Systems in Environmental Protection", Elsevier (2014) Pages 509-526.

*** List of Projects:-**

1. Principal Investigator of a **National project (NPST)** entitled "Manufacturing of In situ Nano TiC Reinforced Aluminum Matrix Composite Materials" Starting Nov. 2013 to Oct. 2015.
2. Co-Investigator of a **National project (NPST)** entitled "Novel nano technological approach for development and scaling up Capacitive Deionization Seawater Desalination units" from February 2012 till February 2014.
3. Co-Investigator of a **National project (NPST)** entitled "Application of cermet coatings in off-shore structures" from December 2011 till December 2013.
4. Principal Investigator of a **project** entitled "Improving the corrosion resistance of 2209 duplex stainless steel alloy in 10% H₂SO₄ by minor additions of ruthenium", from October 2009 till December 2011.
5. Principal Investigator of a **project** entitled "Anodic Dissolution of Monel-400 in Arabian Gulf Seawater", from May 2009 till December 2011.
6. Principal Investigator of a **project** entitled "Corrosion and Corrosion Inhibition of Copper and Aluminium and Some of Their Alloys", July 2001 till Feb. 2004.
7. Co-Investigator in a **project** entitled "Electrochemical behaviour of some metals and alloys in sea water", June 1997 till April 2000.
8. Co-Investigator of a **project** entitled "Corrosion Problems in Petroleum Industry Caused by Diethanolamine Saturated with H₂S and CO₂" from June 1994 to June 1997.

*** Instrumental Experience:-**

1. **Potentiostat/Galvanostat** (EG&G PARSTAT 2273, 273A, 283 and 263, and Auto-Lab Different Models).
2. **Frequency Response Analyzer** (Solatron SI 1255 HF Frequency Response Analyzer).
3. **Quartz Crystal Microbalance** (QCM & EQCM).
4. **Near Normal Incidence Reflectance Spectroscopy** (InstaSpec IV CCD Detector & 200W Arc Lamp System).
5. **Scanning Probe Microscope** (SPM [STM & AFM]).
6. **Jobin Yvon T64000 Raman System**, with Ar, Kr, and Dye lasers.
7. **Scanning Electron Microscopy (SEM) and Energy Dispersive X-Ray Anal. (EDX).**
8. **Many Other Machines** for Surface and Electrochemical Investigations for Metals and Alloys.

* **Languages:-**

Arabic: mother tongue. **English:** Fluently spoken.