# CURRICULUM VITAE



**- Special Data :**

***Name*** : Ahmed Mohammed El-Desoky Ahmed .
***Nationality*** : Egyptian .
***Date of Birth*** : Sept. 30, 1979.
***Marital Status*** : married .
***Sex*** : Male.

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**- Scientific Qualifications :**

a) B.Sc. chemistry, El-Mansoura University, Egypt, 2001.
b) M. Sc. Physical chemistry, El-Mansoura University, Egypt. 2004.
c) Ph. D. Physical chemistry, El-Mansoura University, Egypt, 2008.

## -Contact:


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**- Academic Career :**

1. Professor of physical Chemistry, Chemical Engineering Department, High Institute of Engineering & Technology (New Damietta), Egypt, from 20 / 5 / 2023 till Now.
2. Associate Professor of physical Chemistry, Chemical Engineering Department, High Institute of Engineering & Technology (New Damietta), Egypt, from 18 / 5 / 2016 till 20 / 5 / 2023 .
3. Leturer of Physical Chemistry, Chemical Engineering Department, High Institute of Engineering & Technology (New Damietta), Egypt, from 1 / 10 / 2008 till 17 / 5 / 2016.

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**- Citation Indices :**

- https://www.researchgate.net/profile/Ahmed-Eldesoky-2
- https://scholar.google.com/citations?hl=ar&user=Po6siGgAAAAJ
- https://orcid.org/0000-0002-2668-9710
- **h-Index (Hirsch –Index ) : 19**
- **Total no of Int.publications : 87**
- **Citations to puplications : 1,267**

**Research Interests:**

1. Preparation and characterization of some organic compounds and their metal complexes.
2. Potentiometric and thermodynamic studies of some organic compounds and their metal complexes.
3. Preparation and characterization of some polymer complexes.
4. Studying the corrosion inhibition efficiency of some organic compounds towards corrosion of some alloys.
5. Adsorption of dyes from aqueous solution onto low cost materials.

**- Conferences :**

a) The 7th International conference on chem., and its role in development, El-Mansoura, Egypt, April 2003.
b) The 8th International conference on chem., and its role in development, El-Mansoura, Egypt, April 2005.
c) The 9th International conference on chem., and its role in development, El-Mansoura, Egypt, April 2007.
d) The 4th International conference on electrochemistry and its application, Luxor, Egypt, February 2003.
e) The 8th Anuual conference on corrosion problems in Industry ,Ismailia, Egypt, November 2005.

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**Short courses and Seminars**

-Attended the short courses "Corrosion and how to face it "Chemistry Department Faculty, Science, El-Mansoura University, Egypt, April 25-27 2007.

-Seminar on Metallic Corrosion, "Chemical Engineering Department, High Institute of Engineering &Technolog (New Damietta) , Egypt: " Feb. 20, 2010.

**- Courses :**

**For first year** : general chemistry, Engineeing chemistry,Bio chemistry.
**For second year** : Electrochemistry (1) Quantum Chemistry (1), thermodynamics, phase Rule.
**For third Year** : Surface Chemistry, Catalysis Quantum Chemistry (2), Kinetics, Colloids,Corrosion , ,Mass Transfer,LNG,Paint Technology.
**For fourth year** : Electrochemistry (2), Nuclear and radiation chemistry, Cathodic protection

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**- Experience :**

a) Teaching lessons in chemistry dept from 20/10/2001 till 28\9\2008 from 1st to 4th year science, engeerring, pharmacy, education and engineering students.
b) Water Treatment .
c) Fertilizers Industry.
d) Cement industry.
e) Drugs industry.
f) petroleum field, Protection and metals from corrosion ( coating, painting and cathodic protection)
g)Have experience on using the following techniques (Weight loss-Potentiostatic-potentiodynamic – Electrodeposition-cyclic stress-corrosion fatigue-XRD-I.R-U.V-Potentiometry-Conductomery-Pitting corrosion-Surface roughness- other techniques).

**- Language :**

- English, having a course in toefl preparation.

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**- Computer skills :**

- Good command in using ICDL Courses . - Chemistry Programs.

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**Society's Membership:**

1. Environmental Geochemistry and Health Society.
2. Egyptian Society of Chemistry.
3. Egyptian Society of Electrochemistry
4. Egyptian Society of Corrosion.

**Supervised Theses :**

1- Mohamed Mohamed Mokhtar , **Ph.D**., Corrosion inhibition of carbon steel used in petroleum pipelines in acidic media ,21/9/2011 to 31/12/2013 , Mansoura University, Egypt.

2- Dalia Mohammed Mohammed, **Ph.D**., Corrosion protection of carbon steel in aqueous solutions using anhydride derivatives and some rare earth elements ,22/9/2011 to 20/5/2014 ,Mansoura University, Egypt.

3- Mohamed Fawzy Mohamed Atia, **Ph.D**., Corrosion inhibition of mild steel used in petroleum equipment in aqueous solutions ,21/2/2012 to 22/5/2014 ,Tanta Univeristy, Egypt.

4- Islam Abd El-Fattah El-Said Mohammed, **Ph.D**., Corrosion protection of carbon steel in neutral and acidic solutions ,20/12/2011 to 22/5/2014,Tanta Univeristy, Egypt.

5- Ahmed Husain Abu Abdo, **Ph.D**., Corrosion behaviour of carbon steel in aqueous solutions 22/2/2012 to 27/8/2014 , Damietta Univeristy, Egypt.

6- Doaa Mohammed Abd Elkader, **Ph.D**., The effect of addition of copper on corrosion behaviour of low carbon steel, 18/6/2012 to 27/5/2015, Damietta University, Egypt.

7- Sara Farouk Salam, **Ph.D**., Study the corrosion behavior of carbon Steel used in petroleum pipelines in aqueous solutions, 17/7/2014 up till now, Damietta University, Egypt.

8- Aya Mohamed Nabeeh Ahmed, **M.Sc**. Electrochemical behavior of copper in nitric acid solutions, 18/4/2012 to 29/7/2013, Mansoura University, Egypt.

9- Sara Farouk Salam, **M.Sc**. Corrosion Protection of Copper in Aqueous Solutions, 7/11/2012 to 27/6/2014, Damietta University, Egypt.

10- Lami Ali Atwa, **M.Sc**. Physico- Chemical Studies On Some Polymers, 3/3/2013 to 27/2/2015, Damietta University, Egypt.

11- Niveen Sabry Hassan Elsheikh, **M.Sc**. Corrosion inhibition of copper in aqueous solutions by using some plants extracts, 17/11/2014 up till now, Damietta University, Egypt.

## (I) Publications extracted from M.Sc. Thesis:

1- **Some Hydrazides Derivatives as inhibitors for the corrosion of Zinc in Sodium Hydroxide Solution.**

**A.M. El-Desoky** and A.S. Fouda. J. corrosion science and engineering., 7 (1) **2005**.

**2- Synergistic intibition between some Hydrazide Derivatives and some anions for Zinc corrosion in HCI.**

**A.M. El-Desoky** and A.S. Fouda. J. C. Tecn Mat.(8) **2007**.

## (II) Publications extracted from Ph.D. Thesis:

**3- Employing Cyclic Stress for Studying Corrosion and Corrosion Inhibition of C-Steel in Aqueous Solutions.**

Hala.M. Hassan, **A.M. Eldesoky** and A.S. Fouda. International Journal of Advanced Research **(2014)**, Volume 2, Issue 4, 90-113.

## (III) Publications Carried out after Ph.D.for promotion to Assistant Professor:

**4- Role oF Some Pyrazole-5-One Derivatives as Corrosion Inhibitors for 316L Stainless Steel in 1 M HCl.**

A.S. Fouda, G.Y. El-Ewady, **A.M.El-Desoky**, and S.Fathy. Mansoura Journal of Chemistry. 38 (2). **2011**.

**5- New Eco-Friendly Corrosion Inhibitors Based on Phenolic Derivatives for Protection Mild Steel Corrosion.**

A.S. Fouda, **A.M.Eldesoky**, M.A.Elmorsi, T.A.Fayedand M.F.Atia. *Int. J. Electrochem. Sci.,* 8 **(2013)** 10219 – 10238.

**6- Quinazoline Derivatives as Green Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid Solutions.**

A.S. Fouda, **A.M.El-desoky**, Hala M.Hassan. *Int. J. Electrochem. Sci.,* 8 **(2013)** 5866 - 5885.

**7- Studies on the Corrosion Inhibition of Copper in Nitric Acid Solution Using Some Pharmaceutical Compounds.**

**A.M. Eldesoky**, *Hala.M.Hassan, A.S.Fouda., Int. J. Electrochem. Sci.,* 8 **(2013)** 10376 – 10395.

**8- Inhibitive, Adsorption, Synergistic Studies on Copper Corrosion in Nitric Acid Solutions by Some Organic Derivatives.**

A.S. Fouda, **A.M.El-desoky** and A.Nabih.J. Advances in Materials and Corrosion 2 **(2013)** 1-15.

**9-Anhydride Derivatives as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid Solutions.**

A.S. Fouda, **A.M.El-desoky** and D.M.Ead. *Int. J. Electrochem. Sci.*, 8 **(2013)** 8823 – 8847.

**10- Determination of the Thermodynamic Parameters, Characterizing the Adsorption and Inhibitive Properties of some 3-phenyl-2- thioxo- 4-thiazolidinone Derivatives.**

S.A. Abd El-Meksoud, **A.M. El-Desoky**, A.Z. El-Sonbati, A.A.M. Belal,and R.A. El-Boz. International Journal of Scientific & Engineering Research, 12(4) **2013**.

**11- Adsorption and inhibitive properties for corrosion of carbon steel in hydrochloric acid solution by some nicotinonitrile derivatives.**

A.A. Al-Sarawy, M.A. Diab, **A.M. El-Desoky**,and R.A. El-Bindary. International Journal of Scientific & Engineering Research, 11(4)**2013**.

**12- New Cyanoacetamide Derivatives as Corrosion Inhibitors for Carbon Steel in Acidic Media.**

A.S.Fouda, **A.M.El-desoky** and M.M.Muhtar. Journal of Advances in Chemistry.4 **(2013)** 323-350.

**13- Prop-2-en-1-one Derivatives as Corrosion Inhibitors for Copper in 1 M $HNO_3$.**

A.S. Fouda, **A.M. Eldesoky**, A.Z. El-Sonbati and S.F. Salam. *Int. J. Electrochem. Sci.,* 9 **(2014)** 1867 – 1891.

**14- Benzamide, acetamide and acrylamide as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid Solutions.**

A.S. Fouda, **A.M.Eldesoky**,M.A.Elmorsi,M.Y.El sheik and I.A.El said. International Journal of Advanced Research **(2014)**, Volume 2, Issue 2, 4-24.

**15- Interaction of Thiourea derivatives with a C-steel surface: Towards the Development of 'Green' Corrosion Inhibitors: Theoretical and Experimental Study.**

**A.M. Eldesoky.** International Journal of Scientific & Engineering Research, Volume 5, Issue 11, November-**2014**.

**16- Sulfa Guanidine Azo Derivatives a Environmentally - Friendly Corrosion Inhibitors for Nickel in HCl Solution: Theoretical and Experimental Study.**

Hala.M.Hassan, **A.M.Eldesoky** and Wael A. Zordok. International Journal of Scientific & Engineering Research, Volume 5, Issue 5, May-**2014**.

**17- Potentiodynamic Polarization, Electrochemical Impedance Spectroscopy (EIS) and density functional theory studies of sulfa guanidine azomethine as efficient corrosion inhibitors for nickel surface in hydrochloric acid solution.**

Hala.M.Hassan, A.Attia, Wael A. Zordok and **A.M. Eldesoky**. International Journal of Scientific & Engineering Research, Volume 5, Issue 8, August-**2014**.

**18- Density Functional Theory (DFT) Studies on Sulfa dimedine azo derivatives as Green inhibitors for C- Steel in 0.5 M $H_3PO_4$ Solutions.**

Hala.M.Hassan, **A.M.Eldesoky**, R.M.Younis and Wael A. Zordok. International Journal of Advanced Research **(2014)**, Volume 2, Issue 6, 550-568.

**19- Separation and subsequent determination of iron in aqueous and non-aqueous solutions using modified polymer.**

R.A.Mansour, Adel M. El-Menshawy and **A.M. Eldesoky.** International Journal of Advanced Research (**2014)**, Volume 2, Issue 12, 914-926.

**20- Corrosion Fatigue Inhibition of SS Type 304 in Acidic Media in Presence of Some Pyrimidine Derivatives.**

**A.M. Eldesoky**, R.M.Younis, Marwa R. Elsayad and A.S. Fouda. International Journal of Advanced Research **(2014)**, Volume 2, Issue 12, 927-938.

**21- Corrosion Protection of Carbon Steel in Hydrochloric Acid Solutions using Heterocyclic Compounds.**

A.S. Fouda, **A. M. El-Desoky**, M. A. Diab, A. H.Soliman. International Journal of Advanced Research **(2014)**, Volume 2, Issue 3, 606-628.

**22- Performance and Theoretical Study on Corrosion Inhibition of 304 SS in Hydrochloric Acid Solutions by Chalcone Compounds.**

A.S.Fouda, **A.M.Eldesoky**, A.F.Hassan and A.Abdelhakim. International Journal of Advanced Research **(2014)**, Volume 2, Issue 3, 280-300.

**23- Inhibitive Effect of Azine and Diazine Derivatives on the Corrosion of Cyclic Stressed 316L SS in Acidic Media.**

Jazi Abdullah Mohammed Abdulwahed, A.Attia, Marwa R. Elsayad and **A.M. Eldesoky**. International Journal of Scientific & Engineering Research, Volume 5, Issue 11, November-**2014**.

**24- Separation Of Uranyl Ion From Different Media Using a New Cellulose hydrazone: Adsorption Isotherms, Kinetic and Thermodynamic Studies.**

R.A. Mansour, Adel M. El-Menshawy and **A.M. Eldesoky**. International Journal of Advanced Research **(2015)**, Volume 3, Issue 2, 966-980.

**25- 2H-indeine-1,3-dione derivatives as corrosion inhibitors for C-steel: theoretical and experimental study.**

A.S. Fouda, H. A. Etman, **A. M. El-Desoky**, H. Abd El Aziz and A. M. Metwally.J. Der Pharma Chemica, **2015**, 7(3):125-141.

**26- Adsorption and Corrosion Inhibition of Alkanna Tinctoria Extract (ATE) on Copper in 1 M $HNO_3$ Solution.**

**A.M.Eldesoky**, A.S.Fouda, G.E.Bekheit and N.S.Elsheikh. International Journal of Advanced Research **(2015)**, Volume 3, Issue 2, 991-1007.

**27- Dry and wet lab studies for some 3-carbohydrazide derivatives as possible corrosion inhibitors for C- steel in 2 M HCl.**

**A.M.El-desoky**, Hala.M.Hassan, A.S. Fouda and Doaa A. Badawy. International Journal of Chemical, Environmental & Biological Sciences (IJCEBS) Volume 3, Issue 2 **(2015)**.

**28- Inhibitive properties, thermodynamic and quantum chemical studies of azole derivatives on mild steel corrosion in $H_3PO_4$ Solutions.**

**A.M.El-desoky**, Hala.M.Hassan, Awad Al-Rashdi and Marwa R. Elsayad. International Journal of Scientific & Engineering Research, Volume 6, Issue 2, February-**2015.**

**29- Correlation between ionic radii of metals and thermal decomposition of supramolecular structure of azodye complexes.**

A.Z. El-Sonbati, M.A. Diab, A.A. El-Bindary, **A.M. Eldesoky**, Sh.M. Morgan. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 135 **(2015)**774-791.

**30-Thermal stability and degradation of poly (N-p-tolylacrylamide) homopolymer and copolymer of N-p-tolylacrylamide with methyl methacrylate.**

A.Z. El-Sonbati, A.A. El-Bindary, M.A. Diab, **A.M. Eldesoky** and L.A. Elatwy. J. Mater. Environ. Sci. 6 (4) **(2015)** 1156-1163.

**31- Electrochemical and Analytical Study of the Corrosion Inhibitory behavior of Expired Pharmaceutical Compounds for C- Steel Corrosion.**

**A M. El-Desoky**, Hytham M. Ahmed and Alaa E. Ali. Int. J. Electrochem. Sci., 10 **(2015)** 5112 – 5129.

**32- New eco-friendly corrosion inhibitors based on azo rhodanine derivatives for protection copper corrosion.**

**A.M. Eldesoky**, M.A. El-Bindary, A.Z. El-Sonbati, Sh.M. Morgan. J. Mater. Environ. Sci. 6 (8) **(2015)** 2260-2276.

**33- Some antipyrine derivatives as corrosion inhibitors for copper in acidic medium: Experimental and quantum chemical molecular dynamics approach.**

**A.M. Eldesoky**, M.A. Diab, A.A. El-Bindary , A.Z. El-Sonbati , H.A. Seyam. J. Mater. Environ. Sci. 6 (8) **(2015)** 2148-2165.

**34- Anticorrosive Effect and Catalytic Activity of a Newly Synthesized Chalcone and its Copper Complex: Application Studies.**

**A.M. Eldesoky**, Dina M. Abd El-Aziz, Marwa N. El-Nahass. International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August-**2015**.

**35- Corrosion Inhibition of Carapichea Ipecacuanha Extract (CIE) on Copper in 1 M $HNO_3$ Solution.**

R.M.Younis, Hala.M.Hassan, R.A.Mansour and **A.M.El-desoky**. International Journal of Scientific & Engineering Research, Volume 6, Issue 9, September-**2015**.

**36- Dry and Wet Lab Studies for Some Indole Derivatives as Possible Corrosion Inhibitors for Copper in 2M $HNO_3$.**

Hala.M.Hassan , Awad Al-Rashdi, A.Attia and **A.M.Eldesoky.** International Journal of Scientific & Engineering Research, Volume 6, Issue 9, September-**2015**.

**37- 4-Aminoantipyrine Schiff base derivatives as novel corrosion inhibitors for Q235 steel in hydrochloric acid medium.**

**A.M. Eldesoky,** M.M. Ghoneim, M.A. Diab, A.A. El-Bindary, A.Z. El-Sonbati and M.K. Abd El-Kader. J. Mater. Environ. Sci. 6 (10) **(2015)** 3066-3085.

**38- Electrochemical and Analytical Study on 3- Carbohydrazide Derivatives as Corrosion Inhibitors for Different Types of Low C-Steel in Acidic Medium.**

**A.M. Eldesoky** , Hala.M.Hassan , A.Attia and Awad Al-Rashdi . International Journal of Scientific & Engineering Research, Volume 7, Issue 1, September-**2016**.

## (IV) Publications Carried out after Assistant Professorfor promotion to Professor:

**39-** Neodymium Nitrate and Yttrium Nitrate as Environmentally Friendly Corrosion Inhibitors for Carbon Steel Used in Petroleum Equipments

A. M. El-desoky, A. S. Fouda and D. M. Eid. International Journal of Scientific & Engineering Research, Volume 7, Issue 9, September-2016

**40**- Inhibitive, Adsorption Studies on Carbon Steel Corrosion in Acidic Solutions by New Synthesized Benzene Sulfonamide Derivatives

A. S Fouda, A.M. Eldesoky , M.A.Diab and A.Nabih . Int. J. Electrochem. Sci., 11(2016) 9998 – 10019, doi: 10.20964/2016.12.47

**41**- Electrochemical and Molecular Docking Studies on Benzo[d]Oxazole Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Medium

Hala.M.Hassan , A.Attia , Hussain Almalki , Marwa .R. Elsayad and A.M.Eldesoky . International Journal of Scientific & Engineering Research, Volume 7, Issue 10, October-2016

**42-** ELECTROCHEMICALAND SURFACE CHARACTERIZATION STUDIES ON C38 STEEL IN 1 M HYDROCHLORIC ACID MEDIUM USING PROP-2-EN-1-ONE DERIVATIVES AS CORROSION INHIBITORS.

Jazi Abdullah Mohammed Abdulwahed , R. M. Younis , Hala. M. Hassan , Marwa. R. Elsayad and A. M. Eldesoky . Int. J. Adv. Res. 4(11), 1192-1203 (2016).

**43-** Green Corrosion Electrochemistry: Cheilocostus Speciosus Extract (CSE) Investigated Electro-analytically as a Potential Green Corrosion Inhibitor for Copper within Acidic Solution.

Hala M. Hassan , Ahmed M. Eldesoky , Awad Al-Rashdi and Hytham M. Ahmed. International Journal of Emerging Trends in Engineering and Development. Issue 7, Vol. 1 (January 2017)

**44-** Electrochemical and Molecular Docking Studies on Phenolic Derivatives as Green Corrosion Inhibitors for Mild Steel.

Hala.M.Hassan , A.M.Eldesoky , A.S.Fouda and M.F.Atia. International Journal of Emerging Trends in Engineering and Development. Issue 7, Vol. 1 (January 2017)

**45-** Benzene Sulfonamide Derivatives as New Eco-Friendly Corrosion Inhibitors for C38 Steel in Acidic Medium: Electrochemical and Molecular Docking Studies. International Journal of Emerging Trends in Engineering and Development. Issue 7, Vol. 2 (March 2017)

**46-** Electrochemical and Quantum Chemical Investigations of some Cyanoacetamide Derivatives as Eco-Friendly Corrosion Inhibitors for Aluminum-Silicon Alloy in Acidic Solution. A. S. Fouda, A.M.Eldesoky , F.Sh.Mohamed and M. W. El-Sherbeni. Int. J. Electrochem. Sci., 12 (2017) 4134 – 4149, doi: 10.20964/2017.05.10.

**47-** Anti-corrosive Properties of New Eco-friendly Dimethylamino Compounds on C- steel Corrosion in 2 M HCl.

A.M. Eldesoky , M.A. Diab, A.Z. El-Sonbati and S.F.Salam. Int. J. Electrochem. Sci., 12 (2017) 4215 – 4237, doi: 10.20964/2017.05.73

**48-** Synthesis, structural, spectroscopic and biological studies of Schiff base complexes.

M.A. Diab , A.Z. El-Sonbati , A.F. Shoair , A.M. Eldesoky , N.M. El-Far . Journal of Molecular Structure 1141 (2017) 710- 739.

**49-** The adsorption and corrosion inhibition of 8-hydroxy-7-quinolinecarboxaldehyde derivatives on C-steel surface in hydrochloric acid.

A.M. Eldesoky , S.G. Nozha . Chinese Journal of Chemical Engineering 25 (2017) 1256–1265.

**50-** Polymer complexes. LXIX. Some divalent metal(II) polymer complexes of potentially bidentate monomer N-[4-(5- methyl-isoxazol-3-ylsulfamoyl)-phenyl]-acrylamide: Synthesis, spectroscopic characterization, thermal properties, antimicrobial agents and DNA studies.

A.Z. El-Sonbati,M.A. Diab, Sh.M. Morgan,A.M. Eldesoky,M.Z. Balboula. Appl Organometal Chem. 2018;e4207.(2018).

**51-** Electrochemical and theoretical study on the role of thiosemicarbazide derivatives as corrosion inhibitors for C-steel in HCl solution.

Ahmed M. Eldesoky, Hala.M.Hassan, Ismat H. Ali , Musa E. Mohamed and Samir Bondock. International Journal of Emerging Trends in Engineering and Development. Issue 8, Vol.5 (Aug-Sep 2018).

**52-** Electrochemical Studies on the Corrosion Behaviour of Reinforcing Steel in the Presence of Cyanoacetamide Derivatives as Corrosion Inhibitors.

W. M. Yousef ,Y. Reda and A. M.Eldesoky . Int. J. Electrochem. Sci., 13 (2018) 12172-12187,doi:1020964/2018.12.71

**53-** Assessment of poly-aromatic hydrocarbons in the aquatic species along Suez Gulf, Egypt, and their excess cancer risk to human.

Omayma E. Ahmed, Ahmed M. Eldesoky & Mohamed M. El Nady. PETROLEUM SCIENCE AND TECHNOLOGY. Published online: 19 Jan 2019.

**54-** The use of polycyclic aromatic in the assessment of marine life and the impact on petroleum pollution in the Suez Gulf, Egypt.

Omayma E. Ahmed, Ahmed M. Eldesoky & Mohamed M. El Nady. PETROLEUM SCIENCE AND TECHNOLOGY. Published online: 20 Mar 2019.

**55-** Polymer complexes. LXXVI. Synthesis, characterization, CT-DNA binding, molecular docking and thermal studies of sulfoxine polymer complexes.

Adel Z. El-Sonbati, Mostafa A. Diab, Ahmed M. Eldesoky, Shaimaa M. Morgan, Omnia L. Salem. Appl Organometal Chem. 2019;e4839 (2019).

**56-** Oil hydrocarbon fingerprints of the different marine organisms in some Egyptian Gulf of Suez waters.

Omayma E. Ahmed, Ahmed M. Eldesoky & Mohamed M. El Nady. PETROLEUM SCIENCE AND TECHNOLOGY. Published online: 08 Apr 2019.

**57-** Polymer complexes. LXXV. Characterization of quinoline polymer complexes as potential bio-active and anti-corrosion agents.

M.I. Abou-Dobara, N.F. Omar , M.A. Diab , A.Z. El-Sonbati, Sh.M. Morgan , O.L. Salem , A.M. Eldesoky. Materials Science & Engineering C 103 (2019) 109727.

**58-** Experimental and theoretical investigations for some spiropyrazoles derivatives as corrosion inhibitors for copper in 2 M HNO3 solutions. H.S. Gadow , Thoraya A. Farghaly , A.M. Eldesoky . Journal of Molecular Liquids 294 (2019) 111614.

**59-** Evaluation of petroleum hydrocarbons and its impact on organic matters of living organisms in the northwestern Gulf of Suez, Egypt.

Omayma E. Ahmed, Ahmed M. Eldesoky & Mohamed M. El Nady. PETROLEUM SCIENCE AND TECHNOLOGY. Published online: 21 Aug 2019.

**60-** Electrochemical and Surface Characterization Studies of 2-amino-6-methyl-5-oxo-4-phenyl 5,6-dihydro-4H-pyrano[3,2-c]quinoline-3- carbonitrile Compound on Copper in 2 M $HNO_3$

Ahmed M. Eldesoky, Azza M. Attia, Omayma E. Ahmed, Mohamed A. Abo-Elsoud. Journal of Materials Science and Chemical Engineering, 2019, 7, 71-86.

**61-** Water Pipes Corrosion Inhibitors for Q235 Steel in Hydrochloric Acid Medium Using Spiropyrazoles Derivatives.A. M. Eldesoky , Hala. M. Hassan ,, Abdu Subaihi , Abeer El Shahawy and Thoraya A. Farghaly . Coatings 2020, 10, 167; doi:10.3390/coatings10020167

**62-** BOD Composite as a New Eco-Friendly Corrosion Inhibitor. A.M. Eldesoky,A. Attia, Omayma E. Ahmed and M. Abo-Elsoud. Journal of Materials Science and Engineering B 10 (1-2) (2020) 18-33

**63-** Synthesis, characterization, electrochemical studies and antimicrobial activities of metal complexes. A. Z. El-Sonbati, M. A. Diab, M. I. Abou-Dobara, A. M. Eldesoky,H. R. Issa. Journal of the Iranian Chemical Society. Accepted: 20 July 2021. https://doi.org/10.1007/s13738-021-02354-1

**64-** Mixed ligand transition metal(II) complexes: Characterization, spectral, electrochemical studies, molecular docking and bacteriological application.
A.Z. El-Sonbati , M.A. El-Mogazy , S.G. Nozha , , M.A. Diab, M.I. Abou-Dobara, A.M. Eldesoky ,Sh.M. Morgan. Journal of Molecular Structure 1248 (2022) 131498

**65-** Synthesis, Characterization, Electrochemical Studies and Biological Activities of Complexes of Tridentate Schiff Base Ligand with Divalent Metal Ions. A.Z. El-Sonbatia, M.A. Diab , R.A. El-Fayoumy , A.M. Eldesoky , S.A. El-Sayad. Egypt. J. Chem. Vol. 65, No. 3 pp. 51 - 72 (2022).

**66-** In an Acidic Environment, Perimidin-10-one Derivatives were Evaluated as Potential Copper Corrosion Inhibitors (Experimental and Theoretical Examinations). H. S. Gadow, Thoraya A. Farghaly,A. M. Eldesoky. Journal of Bio- and Tribo-Corrosion (2022) 8:51. https://doi.org/10.1007/s40735-022-00650-8.

**67-** Tunable Anticorrosive Effects of Newly Synthesized Benzothiazole Azo Dyes by Potassium Iodide Synergism for Carbon Steel in 1 M HCl: Combined Experimental and Theoretical Studies. Mahmoud M.

Youssif, Marwa N. El-Nahass, Tarek A. Fayed, Hosny A. El-Daly, Mohammed M. El-Gamil, and Ahmed M. Eldesoky. ACS Omega **2023,** 8, 28314−28332

**68-** New potential Mn(II) mixed ligand complexes: synthesis, structural characterization, molecular docking, antibacterial activity and electrochemical studies. H. M. Salama , M. A. Diab,A. Z. El-Sonbati1 , M. A. El-Mogazy, A. M. Eldesoky ,B. H. Amin , S. S. Elnemr , M. M. El-Zahed . Journal of the Iranian Chemical Society, https://doi.org/10.1007/s13738-023-02892-w, published online :29 september **2023 .**

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