

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	Mohamed Issa Ahmed Issa
<b>Nationality</b>	Egyptian
<b>Position</b>	Assistant Professor of physical chemistry
<b>E-Mail</b>	miissa@imamu.edu.sa
<b>Phone</b>	0508538813

### EDUCATION

Year	Academic Degree	Institution
2011	Doctor of Philosophy in Science (physical Chemistry)	Benha University
2007	Master of Science (physical Chemistry)	Benha University
2001	Bachelor of Science (Chemistry)	Mansoura University

### WORK EXPERIENCE

Period	Position	Address
2021 till now	Assistant Professor	Imam Mohammad Ibn Saud Islamic University in KSA
2014-2021	Assistant Professor	Shaqra University in KSA
2013 till now	Assistant Professor	Alexandria -KMA- faculty of engineering in Egypt
2012-2013	Assistant Professor	Teaching and training students and faculty members in Faculty of Engineering - Mansoura University and rehabilitation labs. for application ISO 17025 requirements (management & technical) in Egypt
2011-2012	Assistant Professor	Suez Canal- faculty of Petroleum and Mining engineering in Egypt
2002-2005 2007-2011	Cooperating Teaching Assistant	faculty of science – chemistry department in laboratories & corrosion research laboratory - metals and alloys (GAMRY & IMPEDANCE) in Egypt

2005-2007	lecturer	Authority of applied education in Kuwait
2001-2002	Demonstrator	Atomic Energy Authority in hot labs. Center for application of analytical chemistry in life and nuclear researches in Egypt

## RESEARCH INTERESTS

Electrochemistry: Electrocatalysis, Electrodeposition, Corrosion, EIS Measurements, Fuel cells, Photo-electrochemistry, Surface science: Interfaces & Spectroscopy (IRAS, XPS), TPD, LEED and PEEM, Passivation, Cyclic Voltammetry, Energy, Catalysis Environmental.

## PUBLICATIONS

- 1- Corrosion inhibition of aluminum in 1 M H<sub>3</sub>PO<sub>4</sub> solutions by ethanolamines  
, Authors: A.S. Fouda, M. Abdallah, I.S. Ahmed and M. Eissa  
Journal: Arabian Journal of Chemistry, 5, 297-307, (2012)
- 2- Corrosion inhibition of Aluminum in 1 M phosphoric acid solutions using some Chalcones derivatives and synergistic action with halide ions  
, Authors: A.S. Fouda, M. Abdallah and M. Eissa  
Journal: African Journal of pure and applied Chemistry, 7(12), 394-404, (2013)
- 3- The Inhibition of the C-Steel corrosion in hydrochloric acid solution using some phenolic compounds  
, Authors: A.S. Fouda, M. Abdallah and M. Eissa  
Journal: Int. J. Electrochem. Sci., 7(1), 282 - 304, (2012)
- 4- Corrosion inhibition of low Carbon Steel in 1 M HCl solution using Pulicaria Undulata plant extract  
, Authors: A.S. Fouda, M. Eissa, G. Y. Elewady and W. T. El behairy  
Journal: Int. J. Electrochem. Sci., 12(2017), 9212 – 9230 , doi: 10.20964/2017.10.83
- 5- Determination of some heavy metals in peganum harmala in hrempla governorate in Saudi Arabia  
, Authors: M. Eissa, M. Saleh, S. EL Saleh and M. El Heseny  
2<sup>nd</sup> international conference chemical , pharmaceutical sciences & applications. sharm el sheikh, EGYPT. (8-11/8/2017)
- 6- Ciprofloxacin as eco-friendly corrosion inhibitor for Carbon Steel in hydrochloric acid solution.  
, Authors: A.S. Fouda, M. Eissa and A. El-Hossiany  
Journal: Int. J. Electrochem. Sci., 13(2018), 11096 – 11112 , doi: 10.20964/2018.11.86
- 7- Pomegranate Aqueous Extract (PAE) as an Eco-Friendly Inhibitor for Carbon Steel Used in Sanitation Plants: Kinetics and Bacteria Effect.  
, Authors: A.S. Fouda, M. Eissa and M. Fakh  
Journal: Journal of Bio- and Tribo-Corrosion, 5(2019), doi.org/10.1007/s40735-018-0197-1

8- Adenium obesum Extract as a Safe Corrosion Inhibitor for C-Steel in NaCl Solutions: Investigation of Biological Effects.

, Authors: A.S. Fouda, M. Eissa

Journal: Journal of Bio- and Tribo-Corrosion, 6(2020),

doi.org/10.1007/s40735-020-00394-3

9- Electrochemical and quantum chemical studies on the Corrosion inhibition of 1037 carbon steel by different types of surfactants.

, Authors: Abd El-Aziz S. Fouda, Ameena M. Al-bonayan, Mohamed Eissa and Dalia M. Eid

Journal: RSC Adv., (2022) , 12, 3253

DOI: 10.1039/d1ra07983b

10- Aluminum corrosion prevention in 1.0 M HCl solution by cystosiera myrica extract: An experimental and biological study.

, Authors: A.S. Fouda, A.m. Wahba, M. Eissa

Journal: Journal of the Indian Chemical Society, 99(2022) 100619

DOI: doi.org/10.1016/j.jics.2022.100619

11- Aizoon extract as an eco-friendly corrosion inhibitor for stainless steel 430 in HCl solution.

, Authors: Abd El-Aziz S. Fouda, Ameena M. Al-Bonayan, Ahmed F. Molouk and M. Eissa

Journal: RSC Adv., 2022, 12, 30906–30920

DOI: 10.1039/d2ra05795f

12- Physicochemical investigation of mercury sorption on mesoporous thioacetamide/chitosan from wastewater.

, Authors: Mohamed E. Eissa , Ahmed K. Sakr , Mohamed Y. Hanfi , M.I. Sayyed , Jamelah S. AlOtaibi, Ashraf M. Abdel-lateef , Mohamed F. Cheira , Haeam A. Abdelmonem

Journal: Chemosphere, Volume 341, November 2023, 140062

DOI: <https://doi.org/10.1016/j.chemosphere.2023.140062>

13- Inhibitive impact of Terfeziaceae plant extract on nitric acid decomposition of copper.

, Authors: Eslam Abdel Haleem, Mohamed E. Eissa, Abd El-Aziz S. Fouda

Journal: Journal of the Chinese Chemical Society, (2024)

DOI: <https://doi.org/10.1002/jccs.202300364>

14- Cellulose-embedded polyacrylonitrile/amidoxime for the removal of cadmium (II) from wastewater: Adsorption performance and proposed mechanism.

, Authors: Haeam A. Abdelmonem , Taha F. Hassanein , Hani E. Sharafeldin , Hassanien Gomaa , Abdelaal S.A. Ahmed , Ashraf M. Abdel-lateef , Eman M. Allam , Mohamed F. Cheira , Mohamed E. Eissa , Amal H. Tilp

**Journal: Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 684, march 2024, 133081**

**DOI: <https://doi.org/10.1016/j.colsurfa.2023.133081>**

**15- Adsorption and inhibiting properties of Cleome Droserifolia extract on the corrosion of AISI 1018 carbon steel in hydrochloric acid solution.**

**, Authors: M.E. Eissa**

**Journal: *Int. J. Corros. Scale Inhib.*, 2024, 13, no. 1, 144–164**

**DOI: [10.17675/2305-6894-2024-13-1-8](https://doi.org/10.17675/2305-6894-2024-13-1-8)**

**16- The impact of environmentally friendly supramolecular coordination polymers as carbon steel corrosion inhibitors in HCl solution: synthesis and characterization.**

**, Authors: M. Eissa , S. H. Etaiw , E. E. El-Waseef , A. El-Hossiany & A. S. Fouda**

**Journal: scientific reports, (2024) 14:2413**

**DOI: <https://doi.org/10.1038/s41598-024-51576-9>**