

## Curriculum Vitae \_ Anees Abdullah Khadom

### Personal Information

Academic degree: **Assistant professor**

Scopus ID: 26654896500

Birth Date & Place: January, 10, 1976 – Iraq

Nationality: Iraqi

Passport Number: **A5461869** valid until March 30, 2018

Marital Status: Married – Two children

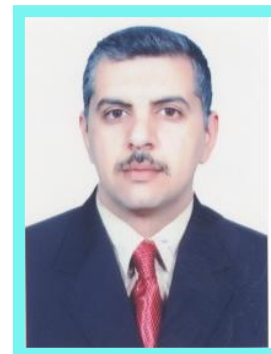
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### Professional Strength and Skills

- Very effective in corrosion and corrosion control, especially the corrosion of metals in aqueous media, such as water, oil and acids. Also in cleaning and pickling of metals by acids and how to protect these metals from corrosion problems.
- Wide theoretical knowledge in most subject of chemical engineering such as mass transfer, heat transfer, fluid flow, thermodynamics, reactor design, mathematics, engineering analysis.

### Educational Qualifications

- **Post Doctorate** Fellow 2008-2009 Faculty of Engineering and Built Environment-Dep. Chem. Proc. Eng- National University of Malaysia (UKM).
- **Ph.D.** Chemical Engineering 2002-2006 College of Engineering – Baghdad University-Iraq. (English Curriculum)
- **Ms. C.** Chemical Engineering 1997-2000 College of Engineering – Baghdad University-Iraq. (English Curriculum).
- **B.Sc.** Chemical Engineering 1993-1997 College of Engineering – Tikrit University-Iraq. (English Curriculum).

### Memberships and Academic positions

- Head of Chemical Engineering Department - College of Engineering – Diyala University since 2012 till now.
- Consultant in Center of Petroleum Research and Development - Ministry of Oil – Iraq – 2014.
- Dean assistant for student's affairs - College of Engineering – Diyala University since 2010 - 2012.
- Head of Educational Students Supervision Committee of College of Engineering – Diyala University 2011.
- Coordinator - College of Science – Diyala University since 2001 - 2002.
- Member of Promotions Committee of College of Engineering – Diyala University 2011 till now.
- Member of Scientific Committee of College of Engineering – Diyala University 2009 till now.
- Member of Iraqi Engineers Union (IEU) since 1997 till now.

### Training and Courses

- Training course for one month in Fredrick – Alexander University in Nuremberg – Germany -

2011.

- Training course for six months in Chemical and Process Engineering Department – National University of Malaysia - 2009.
- Computer Programming Course for one month in College of Education–Computer Department – Baghdad University – Iraq - 2002.
- Methods of Teaching Course for one month in College of Education– Diyala University – Iraq - 2002.
- English Language Certificate - College of Languages – Baghdad University – Iraq - 1997.

### **Languages**

- English: Written and spoken (Very good)
- Arabic: Mother tongue.

### **Employment History (Academic & Technical)**

**Diyala University – College of Engineering (2002 – till now)**

Location: Diyala – Iraq

Position: Head of Chemical Engineering Department.

Academic degree: Assis. Prof.

Description: Teaching Mathematics (Engineering Calculus I&II) for the first and second stages and Engineering Analysis for the third stage, Principles of chemical engineering.

**Tikrit University – College of Engineering (part time) (2000 – 2002)**

Location: Tikrit – Iraq

Position: External lecturer

Description: Teaching the Principles, Fundamentals and Calculations of Chemical Engineering, and the principle of material and energy balance.

**General State of Drugs Industries and Medical Requirements (SDI) (2000-2002)**

Location: Sammara – Iraq

Position: Chemical Engineer -Researcher

Description: Working in the Department of Research and Development to develop new tablet structures. This work gives wide experience in solving the industrial problems by using the scientific research.

**Diyala Company for Foods Industries (2000-2001)**

Location: Diyala – Iraq

Position: Chief Chemical Engineer

Description: Production and supervision engineer in the production department of tomato paste (a concentrated product) through a multistage evaporation system. This responsibility gives the ability to control the production processes, arrange the work team, responsibility distribution, and equipment maintenance and cleaning. Also working in Quality Control Department, that gives the ability to deal with industrial specifications tables of different materials, entrance and existing of materials, and how to deal with QC apparatus.

### Published Research Papers

No	Title of research	Journal name	Publisher	ISSN
1	Garlic Powder as a Safe Environment Green Corrosion Inhibitor for Mild Steel in Acidic Media; Adsorption and Quantum Chemical Studies	Journal of the Chinese Chemical Society	Accepted in press, Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim	
2	Dual Function of Benzotriazole as Copper Alloy Corrosion Inhibitor and Hydrochloric Acid Flow Improver	Surface Engineering and Applied Electrochemistry	Accepted in press, Published by Springer	
3	Kinetics and Mathematical Approaches for Corrosion of Mild Steel in Nitric Acid	Reaction Kinetics, Mechanisms and Catalysis,	Accepted in press, Published by Springer	1878-5190
4	Modeling of Corrosion Reaction Data in Inhibited Acid Environment Using Regressions and Artificial Neural Networks	The Korean Journal of Chemical Engineering, Vol. 30, No. 12, 2013.	Published by Springer	0256-1115
5	Studying the Effect of Some Surfactants on Drag Reduction of Crude Oil Flow	Chinese Journal of Engineering	Hindawi Publisher	Published
6	Kinetics of the corrosion inhibition reaction of steel alloys in acidic media by potassium iodide	Reaction Kinetics, Mechanisms and Catalysis, Vol. 109, No. 2, pp. 417 – 432, 2013	Published by Springer	1878-5190
7	Generalization of corrosion reaction kinetic models for steels in inhibited acidic media	Materials Research Innovations, Vol. 17, pp. 194 – 199, 2013.	Maney & Son Ltd. England	1433-075X
8	Study for Prevention of Steel Corrosion by Sacrificial Anode Cathodic Protection	Theoretical Foundations of Chemical Engineering, Vol. 47, No. 3, pp. 266 – 273, 2013.	Pleiades publishing, Russia. Supported by Springer	0040-5795
9	Mass Transfer Effect on Corrosion Inhibition Process of Copper-Nickel Alloy in Hydrochloric Acid by Benzotriazole	Journal of Saudi Chemical Society	Article in press. Published by Elsevier	1319-6103
10	Effect of Corrosive Solution Motion on Copper – Nickel Alloy Pipe in Presence of Naphthylamine as a Corrosion Inhibitor	Journal of Materials and Environmental Science, Vol. 4 No. 4, pp. 510-519, 2013.	published by the University of Mohammed Premier Oujda, Morocco	2028-2508
11	Apricot juice as green corrosion inhibitor of mild steel in phosphoric acid	Alexandria Engineering Journal, Vol. 52, pp. 129 – 135, 2013.	Published by Elsevier	1110-0168

12	Corrosion Inhibition of Copper-nickel Alloy: Experimental and Theoretical Studies	Journal of the Korean Chemical Society, Vol. 56, No. 4, pp. 406 – 415, 2012.	Printed in the Republic of Korea	1017-2548
13	Prevention of Steel Corrosion by Cathodic Protection Techniques	International Journal of Chemical Technology Vol. 4, No.1, pp. 17 – 30, 2012.	Published supported by SCOUPUS	1996 – 3416
14	The role of 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol on the inhibition of nickel-aluminum bronze alloy corrosion: Electrochemical and quantum chemical studies	Research on Chemical Intermediates, Vol. 38, pp. 91 – 103, 2012.	Published by Springer	0922-6168
15	Molecular Structure of Phenylthiourea as a Corrosion Inhibitor of Mild Steel in Hydrochloric Acid	Corrosion Science and Protection Technology, Vol. 32, No.6, pp. 457 – 462, 2011.	Published supported by SCOUPUS	1002-6495
16	Mathematical and Kinetic Modeling of Corrosion Inhibition of Copper-Nickel Alloy in Hydrochloric Acid by Benzotriazole	Russian Journal of Physical Chemistry A, Vol. 85, No.11, pp. 2005 – 2012, 2011.	Pleiades publishing, Russia. Supported by Springer.	0036 – 0244
17	Protection of Low Carbon Steel in Phosphoric Acid by Potassium Iodide	Protection of Metals and Physical Chemistry of Surfaces Journal, Vol. 47, No. 5, pp. 662 – 669, 2011.	Pleiades publishing, Russia. Supported by Springer.	2070-2051
18	Peach juice as an anti-corrosion inhibitor of mild steel	Anti – Corrosion Methods and Materials, Vol. 58, No. 3, pp. 116 – 124, 2011.	Published by Emerald, United Kingdom.	0003-5599
19	Cathodic Protection System of Copper-Zinc-Saline Water in Presence of Bacteria	Desalination Journal, Vol. 270, No. 1/3, pp. 193 – 198, 2011.	Published by Elsevier	0011- 9164
20	Reaction Kinetics of Corrosion of Mild Steel in Phosphoric Acid	Journal of the University of Chemical Technology and Metallurgy, Vol. 45, No. 4, pp. 443-448, 2010.	Published by University of Chemical Technology and Metallurgy, Bulgaria.	
21	Reaction Kinetics of Zinc Consumption in Cathodic Protection System in Presence of Bacteria	World Applied Sciences Journal, Vol. 10, No. 3, pp. 364 – 369, 2010.	IDOSI publications	1818-4952
22	Adsorption Kinetics of 4-Amino-5-Phenyl-4H-1, 2, 4-Triazole-3-thiol on Mild Steel Surface Inhibitor	Portugaliae Electrochimica Acta, Vol. 28, No. 4, pp. 221 – 230, 2010.	Published by Scientific Electronic Library Online (SciELO)	1647-1571
23	Polarization Resistance Behavior of Corrosion Inhibition of Low Carbon Steel in H <sub>3</sub> PO <sub>4</sub> Acid	International Journal of Surface Science and Engineering, Vol. 4, No.4/5/6, pp. 429 – 438, 2010.	Inderscience publisher	1749-7868

24	Mathematical and Quantum Chemical Studies For The Corrosion Inhibition of Steel In HCl Acid	Diyala Journal for Engineering Sciences, Vol. 3, No. 1, pp. 106 – 121, 2010	Published by Diyala University, College of Engineering, Iraq.	1999 – 8716
25	Application of Some Basic Corrosion Equations for Copper-Nickel Alloy in Inhibited Acid Media	Journal of Tribology and Surface Science, Vol. 1, issue ¾, pp. 169-184, 2010.	Published by NOVA science publisher, USA.	1949-4866
26	Adsorption Mechanism of Benzotriazole For Corrosion Inhibition of Copper-Nickel Alloy in Hydrochloric Acid.	Journal of Chilean Chemical Society, Vol. 55, No.1, pp. 150-152, 2010.	Published by Scientific Electronic Library Online (SciELO)	0717-9707
27	Kinetic Approach To Mild Steel Corrosion Inhibition by 4-amino-5-phenyl-4H-1, 2, 4-triazole-3-thiol	Journal of the Taiwan Institute of Chemical Engineers, Vol. 41, No. 1, pp. 126-128, 2010.	Published by Elsevier	1876-1070
28	Corrosion Inhibition by Naphthylamine and Phenylenediamine for the Corrosion of Copper-Nickel Alloy in Hydrochloric Acid	Journal of the Taiwan Institute of Chemical Engineers, Vol. 41, No. 1, pp. 122-125, 2010.	Published by Elsevier	1876-1070
29	Adsorption Mechanism of Some Chemical Amines Inhibitors for Corrosion Inhibition of Copper-Nickel Alloy in Hydrochloric Acid	The Journal of Corrosion Science and Engineering, Vol. 12, preprint 18, 2009.	Published by University of Manchester	1466-8858
30	Electrochemical, Activations and Adsorption Studies for the Corrosion of Low Carbon Steel in Acidic Media	Portugalia Electrochemica Acta, Vol. 27, No. 6, pp. 699-712, 2009	Published by Scientific Electronic Library Online (SciELO)	1647-1571
31	The Effect of Temperature and Acid Concentration on Corrosion of Low Carbon Steel in Hydrochloric Acid Media	American Journal of Applied Sciences, Vol. 6, No. 7, pp. 1403-1409, 2009.	Published by Science publication, USA.	1546-9239
32	Mass Transfer Coefficient During Cathodic Protection of Low carbon Steel in Sea Water	AL-Khwarizmi Engineering journal, Vol. 5, No. 1, pp. 20-32, 2009.	Published by Baghdad University, College of Engineering, Iraq.	1818-1171
33	Mathematical Modeling of Corrosion Inhibition Behavior of Low Carbon Steel in HCl Acid	Journal of Applied Sciences, Vol. 9, No. 19, pp. 2457-2462, 2009.	Published by Asian Network for Scientific Information (ANSI).	1812-5654
34	Optimization Hydrogenation Process of D-glucose to D-sorbitol Over Raney Nickel Catalyst	European Journal of Scientific Research, Vol. 30, No. 2, pp. 294-304, 2009.	Published by Euro Journals Academic Publishers, UK.	1450-216X

35	Evaluation of the Performance of Some Chemical Inhibitors on Corrosion Inhibition of Copper in Acid Media	Journal of Engineering, Vol. 14, No.2, pp. 2350-2362, 2008.	Published by Baghdad University, College of Engineering, Iraq.	1726-4073
36	Polarization Resistance Behavior of Corrosion Inhibition of Low Carbon Steel in HCl Acid	Diyala Journal for Applied Researches, Vol. 4, No.1, pp. 108-118, 2008.	Published by Diyala University, College of Engineering, Iraq.	1992-0784
37	Transition State Theory and Reaction Kinetics for the Corrosion of Steel in Acid Media	AL-Fatih Journal, No.35, pp. 1-6, 2008.	Published by Diyala University, Iraq.	1996-8752
38	Adsorption Isotherm of Some Triazoles as Corrosion Inhibitors of Mild Steel in Acids	AL-Fatih Journal, No.32, pp. 1-7, 2008.	Published by Diyala University, Iraq.	1996-8752
39	The Influence of Temperature on Corrosion Inhibition of Carbon Steel in Air-Saturated 7N H <sub>3</sub> PO <sub>4</sub> by Potassium Iodide	Iraqi Journal of Chemical and Petroleum Engineering, Vol. 1, No.1, pp. 83-87, 2000.	Published by Baghdad University, College of Engineering, Iraq.	

### Conferences

No	Conference	Paper title	Proceeding or journal name
1	First Scientific Conference in Engineering Sciences, Dailya University, College of Engineering, Dec. 22-23, 2010. Iraq.	Application of Tow Theoretical Models to Corrosion Process of Metals in Hydrochloric Acid	Diyala Journal for Engineering Sciences, special issue.
2	First Scientific Conference of College of Material Engineering, Babylon University, Dec. 28-29, 2010. Iraq.	Statistical Analysis for the Corrosion of Stainless Steel Alloys in Presence of Potassium Iodide as Corrosion Inhibitor in Acidic Media	The Iraqi Journal for Mechanical and Materials Engineering, special issue (B), pp. 184 – 187, 2012.
3	12 <sup>th</sup> Scientific Conference – Foundation of Technical Education, March, 27 – 28, 2011.	Mass Transfer Correction factor for Corrosion Inhibition of Copper - Nickel Alloy in HCl Acid	Paper published in special proceeding
4	Second Scientific Conference, College of Sciences, Dailya University, College of Sciences, April 19 -20, 2011.	Application of Some Non-ideal Adsorption Isotherm Models to Corrosion Inhibitor-Metal System	Paper published in special proceeding
5	First Scientific Conference on Modern Technologies in Oil and Gas Refining, April 25 – 27, 2011	Determination of Efficiency and Thermodynamics Parameters of Corrosion Inhibition of Low Carbon Steel in Phosphoric Acid	Paper published in special proceeding

6	First Scientific Conference Materials Engineering Department, LASIR institute and University of Technology, March 19 – 20, 2012	Performance of Copper-Nickel Alloy in Inhibited Hydrochloric Acid	Paper published in special proceeding
7	The First National conference for Engineering Sciences, November 7-8, 2012	Mathematical Models for Prediction of Corrosion Inhibition Rates of Steel in Acidic Media	Paper published in The First National conference for Engineering Sciences Proceeding, pp. 227 – 230, College of Engineering, AL-Nahrain University, Iraq.

### Published Books

No	Book title and publisher	ISBN
1	<i>Tribology and Surface Engineering</i> , NOVA Science Publisher Inc, New York, USA, 2012. Chapter in book, Chapter 11, page 171.	978-1-61470-021-0
2	<i>Mathematics in Simplified Way</i> , LAMBERT Academic Publishing, Germany, 2012.	978-3-659-30942-7
3	<i>Corrosion of Copper Alloys in Acids</i> , LAMBERT Academic Publishing, Germany, 2013.	978-3-659-48042-3

### Reviewer and referee

Reviewer and referee in:

1. Industrial and Engineering Chemistry Research Journal.
2. Research on Chemical Intermediates Journal.
3. Computers and Chemical Engineering Journal.
4. Arabian Journal of Chemistry.
5. Journal of Industrial and Engineering Chemistry.
6. Journal of Materials and Environmental Science.

### Awards and Prizes

- Winner of *Science Day* prize of Ministry of Higher Education and Scientific Research – Iraq for publishing in a well – known impacted journal – 2011.
- Winner of *Science Day* prize of Ministry of Higher Education and Scientific Research – Iraq for publishing in a well – known impacted journal – 2012.
- Winner of *Science Day* prize of Ministry of Higher Education and Scientific Research – Iraq for publishing a book – 2013.
- Winner of *Ministry of Higher Education and Scientific Research Prize of Sciences* – Iraq – 2014.

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