

CURRICULUM VITAE

PERSONAL DATA

Name	Omar k. Alduaij
Nationality	Saudi
Position	Professor
E-Mail	okduaij@imamu.edu.sa
Phone	0555026260

EDUCATION

Year	Academic Degree	Institution
1989	Bsc	King Saud University
1994	Msc	UMIST
2005	Phd	Leicester University

WORK EXPERIENCE

Period	Position	Address
1989-1991	Teaching Assistant	King Abdulaziz Military Academy
1994-2001	Lecturer	King Abdulaziz Military Academy
2005-2014	Assistant Professor	Imam Mohammad Ibn Saud Islamic University
2014-2019	Associate Professor	Imam Mohammad Ibn Saud Islamic University
2019-until now	Professor	Imam Mohammad Ibn Saud Islamic University

RESEARCH INTERESTS

Coordination Chemistry
Organometallic Chemistry
Organic Chemistry
Corrosion
Environment Chemistry
Electrochemistry

PUBLICATIONS

1. Jose Alves, Brian L. Booth, Omar Kh. Al-Duaij, Paul Eastwood, Lida Nezhat,. M. J. Chem. Soc., Dalton Trans., (1993) 87.
2. M.J. Alves, B.L. Booth, O.K. Al-Duaij, P Eastwood, Chemical Research (S) 1993, Journal of chemical research., 402(1993).
3. Brian L. Booth, Alice Carvalho, Paul R. Eastwood, M.Fernanda Proença, J. Chem. Soc. Perkin trans, 1(1994)3571.
4. David L. Davies, Omar Al-Duaij, John Fawcett, Marco Giardiello, Stephen T. Hilton and David R. Russell. Dalton Trans., (2003) 4132.
5. David L Davies, Steven M A Donald, Omar Al-Duaij, Stuart A Macgregor, Manuel Pölleth. J Am Chem Soc., 128(2006) 4210.
6. David L. Davies, Steven M. A. Donald, Omar Al-Duaij, John Fawcett, Craig Little, and Stuart A. Macgregor. Organometallics, 28(2006) 5976.
7. David L. Davies, Omar AL-Duaij, John Fawcett, Kuldip Singh. Journal of Organometallic Chemistry, 693(2008) 965.
8. Youcef Boutadla, Omar Al-Duaij, David L. Davies, Gerald A. Griffith, Kuldip Singh. Organometallics, 28(2009) 433.
9. L. Davies, Omar AL-Duaij, John Fawcett, and Kuldip Singh. Organometallics, 29(2010) 1413.
10. Youcef Boutadla, David L. Davies, Omar Al-Duaij, John Fawcett, Rachel C. Jones and Kuldip Singh. Dalton Trans., 39(2010) 10447.
11. O. K. Duaij, A. Alghamdi, ZY Al-Saigh, Journal of Chromatography A, 1291(2013)137.
12. L. Khezami, Bessadok-Jemai A. , O. K. Al-Duaij, Amami E. , International Journal of Physical Sciences, 7(2012)6081.
13. Omar K. Al-Duaij, Journal of Chem. Chem. Eng. 7(2013)111.
14. Omar K. Al-Duaij, Journal of Chem. Chem. Eng. 7(2013)821.
15. Mohamed Ould M'hamed, Omar K. Al-Duaij, Phosphorus, Sulfur, and Silicon and the Related Elements 189 (2), 235-241, 2014

16. Omar K. Al-Duaij, Hend Nagah Hafez and Abdel-Rhman Barakat El-Gazzar, <i>Journal of Chem. Chem. Eng.</i> 7(2013)725.
17. Hend Nagah Hafez, Omar K. Al-Duaij and Abdel-Rhman Barakat El-Gazzar, <i>International Journal of Organic Chemistry</i> , 3(2013)110.
18. Duaij, O ; Al-Gahmdi, AM; Al-Saigh, ZY, <i>ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY</i> , Volume: 244, Meeting Abstract: 242-POLY Published: AUG 19 2012.
19. OK Al-Duaij, HN Hafez, ARBA El-Gazzar, "Synthesis of novel series of benzothieno [2, 3-d] pyrimidine derivatives, promising anticancer agents" <i>Journal of Chemistry and Chemical Engineering</i> 7 (8), 725, 2013.
20. MI Attia, OK Alduaij, L Khezami, "Assessment of Nickel (II) Removal from Aqueous Solution Using Saudi Bentonite", <i>SYLWAN</i> 159 (1), 146-166, 2014.
21. M. Heikal, M.M. Radwan, O.K. Al-Duaij, Physico-mechanical Characterization and durability of calcium aluminate blended cement subject to different aggressive media, <i>Construction and Building Materials</i> , 78 (2015) 379-385.
22. Omar K. Al-Duaij, Ahlem Guesmi, Naoufel Ben Hamadi, Copper nanoparticle mediated 'click glycosylation for the synthesis of fluorinated triazole derivatives, <i>Letters in Organic Chemistry</i> 13 (5), 374-379, 2016.
23. Mortaga Abou-Krishna, Fawzi Assaf, Omer Alduaij, Abdelrahman Alshammari and Fatma El-Sheref, Corrosion behavior of electrodeposited Zn-Co-Fe alloy, <i>Indian Journal of Chemical Technology</i> , 23 (2016) 271-278.
24. Mohamed Heikal, O.K. Al-Duaij, N.S. Ibrahim, Microstructure of composite cements containing blast-furnace slag and silica nano-particles subjected to elevated thermally treatment temperature, <i>Construction and Building Materials</i> 93(2015) 1067-1077.
25. Fawzi H. Assaf, Mortaga M. Abou-Krishna, Omar k. Alduaij, Ahmed M. A. El-Seidy, and Ahmed A. Eissa, The Effect Manganese Concentration on the Corrosion Resistance and Physical Properties of Zn-Ni-Mn Alloy Films Produced by Electrodeposition, <i>Int. J. Electrochem. Sci.</i> , 10 (2015) 6273 – 6287.
26. Mohamed Heikal, M.M. Radwan, O.K. Al-Duaij, Physico-mechanical characteristics and durability of calcium aluminate blended cement subject to different aggressive media, <i>Construction and Building Materials</i> 78 (2015) 379–385.
27. K.T. Kamal, K. Lotfi, K.D. Omar, R.E. Mohamed, K.M. Abueliz and H. Nassir, Heavy Metals Concentrations in Fish from the Red Sea and Arabian Gulf: Health Benefits and Risk Assessments due to their Consumption, <i>Asian Journal of Chemistry</i> ; Vol. 27, No. 12 (2015).
28. Fawzi H. Assaf, Mortaga M. Abou-Krishna, Omar k. Alduaij, Ahmed M. A. El-Seidy, Ahmed A. Eissa, 2015. The Effect Manganese Concentration on the Corrosion Resistance and Physical Properties of Zn-Ni-Mn Alloy Films Produced by Electrodeposition, 10 (2015) 6273 - 6287.
29. M Abou-Krishna, F Assaf, O Alduaij, AG Alshammari, F El-Sheref, "Electrochemical behavior and corrosion resistance of electrodeposited nanoparticles Zn-Co-Fe alloy" <i>Anti-Corrosion Methods and Materials</i> 63 (1), 29-35, 2016
30. M. O. M'hamed, O.K. Alduaij, "Green and Effective One-Pot Synthesis of 5-Oxopyrazolidine and 5-Amino-2,3-dihydro-1H-Pyrazole Derivatives through Ball Milling Under Catalyst-Free and Solvent-Free Conditions" <i>Asian Journal of Chemistry</i> 28 (3) 2016.
31. OK Al-Duaij, N Ben Hamadi, L Khezemi, "Asymmetric cycloaddition: an efficient synthesis of enantiopure isoxazolines substituted with carbohydrate analogues" <i>Journal of Heterocyclic Chemistry</i> 53 (2), 408-413, 2016.

32. OK Alduaij, MI Attia, L Khezami, KK Taha, "Removal of cobalt (II) from aqueous solution by local Saudi bentonite: Kinetic and equilibrium investigations", <i>Macedonian Journal of Chemistry and Chemical Engineering</i> 35 (1), 87-96, 2016.
33. O K Al-Duaij, A Guesmi, N B Hamadi, "Copper Nanoparticle Mediated 'Click Glycosylation' for the Synthesis of Fluorinated Triazole Derivatives" <i>Letters in Organic Chemistry</i> 13 (5), 374-379, 2016.
34. OK Al-duaij, MEA Zaki, AR El Gazzar, "A simple precursor for highly functionalized fused imidazo [4, 5-b] pyridines and imidazo [4, 5-b]-1, 8-naphthyridine" <i>Molecules</i> 21 (12), 1646, 2016.
35. MM Abou-Krishna, FH Assaf, OK Alduaij, AA Eissa, "Deposition Potential Influence on the Electrodeposition of Zn-Ni-Mn Alloy" <i>Transactions of the Indian Institute of Metals</i> 70 (1), 31-40, 2017.
36. A Modwi, L Khezami, K Taha, OK Al-Duaij, A Houas, "Fast and high efficiency adsorption of Pb (II) ions by Cu/ZnO composite" <i>Materials Letters</i> 195, 41-44, 2017.
37. OK Al-Duaij, MM Abou-Krishna, MI Attia, "Influence of the Deposition Temperature on the Electrodeposition Mechanism of Zn-Co-Fe Alloy" <i>INTERNATIONAL Journal of Electrochemical Science</i> , 12 (12), 11972-11986, 2017.
38. A Modwi, MA Abbo, EA Hassan, OK Al-Duaij, A Houas, "Adsorption kinetics and photocatalytic degradation of malachite green (MG) via Cu/ZnO nanocomposites" <i>Journal of Environmental Chemical Engineering</i> 5 (6), 5954-5960, 2017.
39. OK Al-Duaij, "Efficient And Fast Removal of Cadmium By Nanopoeder Material From Aqueous Solution" <i>Journal Of Optoelectronics And Biomedical Materials</i> , 10 (1), 11-20, 2018.
40. S. Muthusaravanan, N. Sivarajasekar, J. S. Vivek, T. Paramasivan, Mu. Naushad, J. Prakashmaran, V. Gayathri and Omar K. Al-Duaij, "Phytoremediation of heavy metals: mechanisms, methods and enhancements" <i>Environmental Chemistry Letters</i> , 2018.
41. O K Al-Duaij, "Evaluation of Cytotoxic, Antioxidant And Antimicrobial Activities of (E)-N`-(1(pyridine-2-yl)ethylidene)benzohydrazide Complexes" <i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i> , 9(3), 2018, 442-462.
42- A. Modwi, Kamal K. Taha, L. Khezami, Abdullah S. Al-Ayed, O. K. Al-Duaij, M. Khairy, M. Bououdina "Structural and Electrical Characterization of Ba/ZnO Nanoparticles Fabricated by Co-precipitation" <i>Journal of Inorganic and Organometallic Polymers and Materials</i> (2020) 30:2633–2644
43- A. Modwi, Kamal K. Taha*, L. Khezami, M. Boudina, M. Khairy, O. K. Al-Duaij and S. Talab "Dependence of the electrical properties of Cu-doped ZnO nanoparticles decorated by Ag atoms" <i>Zeitschrift für Physikalische Chemie</i> (2021).
44- N. Elamin, A. Modwi* , M. A. Ben Aissa , Kamal K. Taha, O. K. Al-Duaij , and T. A. Yousef, "Fabrication of Cr-ZnO photocatalyst by starch-assisted sol-gel method for photodegradation of congo red under visible light", <i>J Mater Sci: Mater Electron</i> (2021)
45- K. Y. Kumar a , M.K. Prashanth b , O.K. Alduaij c , T.A. Yousef d , K. M. Abualnaja e , M.S. Raghu f, "Mentha arvensis mediated green synthesis of platinum doped TiO ₂ nanocomposite for enhanced anti-cancer and photocatalytic degradation activity: Insights from molecular docking and DFT studies"

46- E. N. Al-Sabawi, A. S. M. Al-Janabi, H. M. Jerjis, M. Khairy, O. K. Alduaij, T. A. Yousef " Synthesis, characterization, antibacterial, anticancer, and density-functional theory studies of nano-metal (II) oxime complexes", e6645 (2021) 1-12.
47- A. Ahmada, , M. Khanb , S. Khanc , R. Luquea , , K.M. A bualnaja d, O.K. Alduaij e , T. A. Yousef " Bio-Construction of CuO Nanoparticles Using Texas Sage Plant Extract for catalytical degradation of Methylene blue Via Photocatalysis" Journal of Molecular Structure, 1256 (2022) 132522.
48- Emad N Al-Sabawi, Ahmed SM Al-Janabi, Haifa Muhammed Jerjis, Mohammed Khairy, Omar K Alduaij, Tarek A Yousef "Synthesis, characterization, antibacterial, anticancer, and density-functional theory studies of nano-metal (II) oxime complexes" Applied Organometallic Chemistry, e6654(2022).
49- Ahmed S Al-Janabi, Omar DH Al-Mouqdady, Mohammad EA Al-Doori, Hela Ferjani, OK Al Duaij, Zeid A ALOthman, Tarek A Yousef"Synthesis and characterization of new HgS nanoparticles prepared by Hg(II)-triazole-3-thiol as precursor" Journal of Saudi Chemical Society,26(2022)161507.
50- Aiman Suhaimi, Ahmed Saud 50- Aiman Suhaimi Abdulhameed, Ali H Jawad, Tarek A Yousef, OK Al Duaij, Zeid A ALOthman, Lee D Wilson" Production of large surface area activated carbon from a mixture of carrot juice pulp and pomegranate peel using microwave radiation-assisted ZnCl ₂ activation: An optimized removal process and tailored adsorption mechanism of crystal violet dye" Diamond and Related Materials,130(2022) 109456.
51- Nur Shakinah Razali, Ahmed Saud Abdulhameed, Ali H Jawad, Zeid A ALOthman, Tarek A Yousef, Omar K Al-Duaij, Norah Salem Alsaari" High-Surface-Area-Activated Carbon Derived from Mango Peels and Seeds Wastes via Microwave-Induced ZnCl ₂ Activation for Adsorption of Methylene Blue Dye Molecules: Statistical Optimization and Mechanism" Molecules,27(2022) 6947
52- Tarek A Yousef, Uttam Kumar Sahu, Ali H Jawad, Nurul Najwa Abd Malek, OK Al Duaij, Zeid A ALOthman" Fruit peel-based mesoporous activated carbon <i>via</i> microwave assisted K ₂ CO ₃ activation: Box Behnken design and desirability function for methylene blue dye adsorption" International Journal of Phytoremediation,(2022)1-13.
K Yogesh Kumar, MK Prashanth, OK Alduaij, Tarek A Yousef, Khamael M Abualnaja, MS Raghu" Corrigendum to "Mentha arvensis mediated green synthesis of platinum doped TiO ₂ nanocomposite for enhanced anti-cancer and photocatalytic" Inorganic Chemistry Communications,146(2022)110111.