



CURRICULUM VITAE

NAME:	Mohamed Zidan Alfitori
DATE OF BIRTH:	27 Sep 1975
NATIONALITY	Libyan
CURRENT ADDRESS	Department of Chemistry, Faculty of Science, Sabha University Libya
CONTACT NUMBERS	00218922220069
E-MAIL ADDRESS	: zidanupm@gmail.com

ACADEMIC QUALIFICATIONS

- PhD in Electroanalytical Chemistry at Universiti Putra Malaysia (2011).
- MSc in Electroanalytical Chemistry at Universiti Putra Malaysia (2006).
- BSc (Second Class Honors) in Chemistry at Sebha University in Libya (1998)

FIELD OF SPECIALIZATION: Electroanalytical Chemistry

WORKING EXPERIENCES

Period	Appointment	Place
December 2013 – to date)	Lecturer and Course Coordinator(Electroanalytical Chemistry)	Department of Chemistry Faculty of Science, Sabhe University Libya
October 2011 – December 2013	Post Doctorate	Department of Chemistry, Faculty of Science, Universiti Putra Malaysia
October 2006 – October 2008	Lecturer	Department of Chemistry Faculty of Science, Sabhe University Libya
2004 – 2005	Demonstrator in Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Spectroscopy, and Kinetic Chemistry	Department of Chemistry, Faculty of Science, Universiti Putra Malaysia

TEACHING AND SUPERVISION EXPERIENCES

- Involvement in teaching analytical chemistry and general science subject at degree level.

RESEARCH INTEREST

Current research interests include fabrication and characterization of chemical sensors (chemically modified electrode) and biosensors using voltammetric techniques for the detection of biochemical compounds such as, vitamins and antioxidant compounds. The fabrication of chemical sensors using conductor or superconductor compounds such as carbon nanotube, magnesium diboride, metal oxide, and the fabrication of biosensors using protein enzymes will be of interest. The feasibility of the fabricated modified electrodes will be assessed in samples such as food, and drugs.

ACADEMIC PUBLICATIONS REFEREED JOURNAL ARTICLES

Serves as a reviewer in the Journal of Solid State Electrochemistry and Electrochemical Acta.

PUBLICATIONS REFEREED JOURNAL ARTICLES

1. Khadija Ahmida, Mabroka Darmoon, Fatma Al-Tohami, Mohamed Erhayem, and **Mohamed Zidan**. Effect of Physical and Chemical Preparation on Characteristics of Activated Carbon from Agriculture Solid Waste and their Potential Application. International Conference on Chemical, Civil and Environmental Engineering (CCEE-2015) June 5-6, 2015 Istanbul (Turkey)
2. **M. Zidan***, A. Jamil a, C.W. Yawb Electrochemical studies of [Cu(sar)₂].2H₂O and its interactions with DNA 12th International Conference on Chemistry and Its Role in Development (Mansoura/ Sharm El-Sheikh, March, 16-20, 2015 Organized by Chemistry Department, Faculty of Science, Mansoura University
3. IHSSIN ABDALSAMED and **MOHAMMED ZIDAN***. THE DEVELOPMENT OF MICRO ELECTROANALYTICAL TECHNIQUES FOR ENVIRONMENTAL MONITORING. Int. J. Chem. Sci.: 13(1), 2015, 1-22
4. **Mohammed Zidan**, Ruzniza Mohd Zawawi, Mohamed Erhayem, Abdussalam Salhin Electrochemical Detection of Paracetamol Using Graphene Oxide - Modified Glassy Carbon Electrode Int. J. Electrochem. Sci., 9(2014).
5. D. Banan¹, W.T. Tan¹, Y. Sulaiman¹, M. F. Yusri¹, **M.Zidan**^{1,2}, S. Ab Ghani³ Electrochemical Oxidation of Ascorbic Acid Using MgB₂-MWCNT Modified Glassy Carbon Electrode Int. J. Electrochem. Sci., 8 (2013) 12519 - 12530
6. Nima Ghamarian¹, **Mohammed Zidan ***, Zulkarnain Zaina, Wee Tee Tan and Emad A. Jaffar Al-Mulla. Photocorrosion of CuInSe₂ Thin Film by Electrochemical Polarization in Acidic and Alkaline Medium Int. J. Electrochem. Sci., 8 (2013) 5161 - 5171
7. Emad A. Jaffar Al-Mulla • Nor Azowa Bt Ibrahim • Isam Hussain T. Al-Karkhi • Kamyar ,Shameli • **Mohammed Zidan** • Mansor Bin Ahmad • Wan Md. Zin Wan Yunus. Synthesis of palm oil-based fatty methylhydrazide. Res Chem Intermed DOI 10.1007/s11164-012-0745-0

8. Pulse Electrochemical Deposition and Photo-electrochemical Characterization of CuInSe₂ Thin Films . Nima Ghamarian¹, Zulkarnain Zainal^{1,2}, **Mohammed Zidan**^{1,3,*}, Wee Tee Tan J. Electrochem. Sci., Int. J. Electrochem. Sci., 8 (2013) 312 - 322
9. Kamyar Shameli^{1,2,*}, Mansor Bin Ahmad¹, Emad A. Jaffar Al-Mulla^{1,3}, Nor Azo Ibrahim, Bagheri⁷, Sanaz Abdolmohammadi¹, Muhammad Sani Usman¹ and **Mohammed Zidan**. Green Biosynthesis of Silver Nanoparticles Using Callicarpa maingayi Stem Bark Extraction. Molecules 2012, 17, 1420-3049
10. Elyas Sadeq Alaghbari^{1,2,*}, Zulkarnain Zainal¹, **Mohammed Zidan**^{1,3}, Tan Wee Tee. Electrochemical Study of Zn-Doped ErBCO Superconductor Synthesized via the Coprecipitation Method. 8 (2013) 2034 - 2043
11. **Mohammed Zidan**^{*}, Tan Wee Tee, Elyas Sadeq Alaghbari, Mansor Ahmad. Kamyar. Shameli. Voltammetric Oxidation of Potassium Thiocyanate using ErBa₂Cu₃O₇ Modified Glassy Carbon Electrode. J. Electrochem. Sci., 8 (2013) 4818 - 4826
12. C.W.Yaw, W.T.Tan, W.S.Tan, C.H.Ng, W.B. Yap, N.H. Rahmana, **Mohamed Zidan** Electrochemical Studies of Cu(phen)₂ Interaction with DNA J. Electrochem. Sci., 7(2012) 4692-4701
13. Ngai Koh Sing ,Tan Wee Tee, Anuar bin Kassim, Ruzniza binti Mohd Zawawi, **Mohammed Zidan**, Electrochemical Oxidation of Ascorbic Acid Mediated by Single-Walled Carbon Nanotube/Tungsten Oxide Nanoparticles Modified Glassy Carbon Electrode. J. Electrochem. Sci., 7(2012) 4210-4222
14. **Mohammed Zidan**, Tan Wee Tee, Abdul Halim Abdullah, Zulkarnain Zainal, Goh Joo Kheng Electrochemical Oxidation of Ascorbic Acid Mediated by Bi₂O₃ Microparticles Modified Glassy Carbon Electrode Int. J. Electrochem. Sci., 6 (2011) 289-300
15. **Mohammed Zidan**, Tan Wee Tee, Abdul Halim Abdullah, Zulkarnain Zainal, Goh Joo Kheng Electrochemical Oxidation of Paracetamol Mediated by Nanoparticles Bismuth Oxide Modified Glassy Carbon Electrode Int. J. Electrochem. Sci., 6 (2011) 279 - 288
16. **Mohammed Zidan**, Tan Wee Tee, Abdul Halim Abdullaha, Zulkarnain Zainal, Goh Joo Khengb Electrochemical oxidation of paracetamol mediated by Zinc oxide modified glassy carbon electrode Australian Journal of Basic and Applied Sciences, 4(12): 6025-6030, 2010
17. **Mohammed Zidan**, Tan Wee Tee , Abdul Halim Abdullaha, Zulkarnain Zainal, Goh Joo Khengb Electrochemical oxidation of Paracetamol mediated by MgB₂ microparticles modified glassy carbon electrode. E-journal of chemistry 2011,8,(2)553-560

18. **Mohammed Zidan**, Tan Wee Tee, Abdul Halim Abdullaha and Zulkarnain Zainal and Joo Kheng Gohb Electrocatalytic Oxidation of paracetamol Mediated by Lithium doped Microparticles Bi₂O₃/MWCNT Modified Electrode Asian Journal of Chemistry : 23 Issue : (7) 3029 – 3032 2011
19. Wee Tee Tan, **Mohamed Zidan**, Zulkarnain Zainal , Abul Halim and Joo Kheng Goh Electrocatlytic oxidation of ascorbic acid mediated by ZnO microcrystalline modified glassy carbon electrode Oriental Journal of Chemistry Vol. 26(1), 45-52 (2010)
20. **Mohammed Zidan**, Tan Wee Tee, Zulkarnain Zainal, Abdul Halim Abdullah and Joo Kheng Goh Electrocatalytic Oxidation of Ascorbic Acid Mediated by Lithium doped Microparticles Bi₂O₃/MWCNT Modified Glassy Carbon Electrode Int. J. Electrochem. Sci., 5 (2010) 501 – 508
21. **Mohammed Zidan**, Tan Wee Tee, Zulkarnain Zainal, Abdul Halim Abdullah and Goh Joo Khengb Electrochemical Oxidation of Ascorbic Acid Mediated by Lithium doped Microparticles Bi₂O₃ and multi-walled carbon nanotubes Modified Electrode Fundamental Science Congress (FSC2010).
22. **Mohammed Zidan**, Tan Wee Tee, Rohana Othman Abdul Halim Abdullah, Zulkarnain Zainal. Electrochemical oxidation of Paracetamol mediated by MgB₂ microparticles modified glassy carbon electrode 16th Malaysian Chemical Congress (16th MCC 2010)
23. W.T. Tan, **M. Zidan**, Z. Zainal, and K. Anuar. Voltammetric Studies of Cadmium Ion at the Mercury Electrode in the Presence of Glutathione The Pacific Journal of Science and Technology Volume 9. Number 2. November 2008

PROCEEDINGS/ABSTRACT OF CONFERENCE/SEMINAR

MOHAMMED_ZIDAN*, WEE TEE TAN. Electrochemical Oxidation of Paracetamol Mediated by MgB₂ Microparticles Modified Glassy Carbon Electrode. Fundamental Science Congress (FSC2009).

Mohammed Zidan, Tan Wee Tee, Zulkarnain Zainal, Abdul Halim Abdullah and Goh Joo Khengb Electrochemical Oxidation of Ascorbic Acid Mediated by Lithium doped Microparticles Bi₂O₃ and multi-walled carbon nanotubes Modified Electrode Fundamental Science Congress (FSC2010).

Mohammed Zidana, Tan Wee Tee, Rohana Othman Abdul Halim Abdullah, Zulkarnain Zainal. Electrochemical oxidation of Paracetamol mediated by MgB₂ microparticles modified glassy carbon electrode 16th Malaysian Chemical Congress (16th MCC 2010)

Mohammed Zidan*, Tan Wee Tee, Zulkarnain Zainal, Abdul Halim Abdullah Electrocatalytic Oxidation of paracetamol Mediated by Lithium doped Microparticles Bi₂O₃/MWCNT Modified Electrode Fundamental Science Congress (FSC2011).

ACHIEVEMENTS

2012 – Awarded Bronze Medal in the Invention & Research Exhibition organized by University Putra Malaysia

EXTRACURRICULAR ACTIVITIES

Advisor of Sebha University since 2006 to date