CURRICULUM VITAE

Moftah O. Darwish

PERSONAL

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EDUCATIONAL QUALIFICATIONS:

Degree	University	Subject	Duration
PhD	University of Warwick, Coventry, CV4 7AL, UK.	Organic Chemistry	Sept. 2008- Dec. 2012
M.Sc.	University of Warwick, Coventry, CV4 7AL, UK.	Organic Chemistry	May 1999- Dec. 2001
B.Sc.	Benghazi University	Chemistry,	Sep. 1984- Jul. 1988

EMPLOYMENT HISTORY

07/2013 to Present — Lecturer at University of Tripoli/Faculty of Science/Chemistry department.

08/2008 to 05/2013 — Warwick University, Coventry, UK (Phd).

10/2006 to 07/2008 — University of Tripoli/Faculty of Science/Chemistry department

12/2004 to 10/2006 — Supervisor of the additive group , Petroleum Research Centre,Tripoli- Libya

3/2002 to 11/2004 — Head of the additive group , Petroleum Research Center, Tripoli,Libya.

5/1999 to 2/2002 — Warwick University, Coventry, UK (MSc).

4/1994 to 4/1999	Petroleum Research Center-Tripoli,Libya, Researcher.
8/1990 to 3/ 1994	Petroleum Research center, Tripoli-Libya Assistant Researcher in organic Chemistry unit.

Teaching

Summary of Courses Taught

2013 to date. Teaching theoretical and practical Organic chemistry (CH230, CH230P, CH231, CH232, CH232P, CH332P) to undergraduate students, Faculty of Science, Tripoli University. Tripoli, Libya.

Research Projects

1. Characterization of Libyan Crude Oils (PRC internal reports) .
2. Synthesis and study of long chain alkyl amide,imidazoline to be used as Corrosion Inhibitor (PRC internal reports) .
3. Treatment of Libyan Kerosine to be used as Pesticide Solvent .(Project completed for the benefit of a libyan Establishment) .
4. Organic Matter in petroleum Sludge, A source of Useful Materials.
5. Characterization of Light and Middle Distillates of some Libyan Crude Oils.
6. Compositional Studies of High Boiling Distillates of some Libyan Crude Oils.
7. Study and evaluation the efficiency of the Demulsifiers produced in Jowfe company to overcome the emulsion formed in some crudes.
8. The nature of gum formed in naphtha and middle distillate and the chemicals added toreduce the gum.
9. P reparation of petroleum sulfonate to be used as petroleum additives.
10. M.Sc. Thesis title : Intermolecular interactions of heteronuclear aromatic compounds probed by spectroscopic methods.
11. PhD Thesis title: Iron and Ruthenium Catalysts for Asymmetric Synthesis.

Published Papers

1- Characterization of Atmospheric Residues of libyan Crude Oils . (First international Oil, Gas and Petrochemical Congress. 11-13 Sept. 1993, Isfahan -Iran)

2- Synthesis and study of long chain alkyl amide, imidazoline and quaternary ammonium compounds to be used as corrosion inhibitors . (2nd International Conference & Exhibition of Chemistry in Industry, 24-26 Oct. 1994, Manama- Bahrain)

3- Molecular Di Oxygen Epoxidation of Olefins catalized by Cobalt schiff-base compounds in acetals as Reductants .10th Arabian Chemical Conference, 22-24 Nov. 1996, Baghdad-Iraq .

4 - Spectroscopic Determination of Carbon in Aromatic rings in Petroleum Kerosene. (Puplished in Petrol. Sc. and Tech. USA).

5- Aryl substituted ruthenium bisterpyridine complex: interaction and groove binding with DNA, Biophysical Chemistry Conference 2003, Warwick University, Coventry, England

6- Hydrogen bonding of hetero-atomic aromatic compounds probed by MALDI-MS and UV-absorption spectroscopy (International Biophysical Chemistry Conference 2002, Warwick University, Coventry CV4 7AL)

7- Demulsifiers & Crude Oil Emulsion:Correlation effect to their composition and physical properties (IASH 2005, the 9TH International Conference on Stability, Handling and Use of Liquid Fuels September 18-22, 2005

8. Asymmetric catalysis using iron complexes – 'Ruthenium Lite'?, *Catalysis Science & Technology*, 26 October 2011.

9. Use of tridentate TsDPEN/pyridine ligands in ruthenium-catalysed asymmetric reduction of ketone.

10. Mahmoud F. Farhat, Ahmed M. El-Saghier, Suhilla Kh. Elnamia, Nisrin A. Dwaya, Asma O. Jebril, Asma O. Errayesa, Moftah O. Darwish and Mohammed S. Ibrahim. (2019).

Utilization of 2-Ylidene-4- Thiazolidinones in the Synthesis of Heterocyclic Compounds Part III: Synthesis and In-Vitro Antibacterial Activity Evaluation of Thienopyrimidinone Derivatives. *Jordan Journal of Chemistry*.14: 39-47.

11. Asma Omar Errayes, Wanisa Abdussalam-Mohammed and Moftah Omar Darwish. (2020) Review of Phytochemical and Medical Applications of *Annona Muricata* Fruits. Journal of Chemical Reviews. 2(1): 70-79.
12. Mahmoud Farhat, Suhilla Elnami, Nisrin Dwaya, Moftah Darwish, Asma Errayes, Karima Abuamer, Wanisa Mohammed, Mahjoubah Munayr. (2020) Utilization of 2-Ylidene-4-Thiazolidinones in the Synthesis of Heterocyclic Compounds Part (IV): Synthesis of Thiophene Derivatives. *Journal of Engineering Research and Application*. 10(01) (Series -III): 41-48.
13. Mahboba Naili, Asma Errayes, Rabia Alghazeer, Wanisa Abdussalam-Mohammed, Moftah Darwish, Evaluation of Antimicrobial and Antioxidant Activities of Psidium guajava L growing in Libya. *International Journal of Advanced Biological and Biomedical Research*, Volume 8 (2020), Issue 4 pp. 419-428.
14. Abdurahman abuabdalla khalifa, Moftah O.Darwish, Estimation of Lead concentration in Settled Dust at Gharian City, Libya. *MAYFEB Journal of Environmental Science* Vol 1 (2017) - Pages 6-10.
15. Moftah O. Darwish, Karima M. Abuamer, Mahbooba B. Naili, I. Ahmed, The Comparative Catalytic Activities of Tungstate and Molybdate Ions on Oxygen Transfer Reactions Used in Production of Some Petrochemicals. *Journal of Catalyst and Catalysis*, Volume 4 (2017), Issue 1, 24-29.
16. Rajab A. Maga, Rafik M. Hesnawi, Moftah O. Darwish, Abdurahman A. Khalifa, Study the Effect of Crystallization in Blown Film Matrix of High Density Polyethylene. *Journal of Modern Chemistry & Chemical Technology*, Volume 8 (2017), Issue 1, 14-20.
17. Mahmoud F. Farhat, Mohammed S. Abraheemb, Mahjoubah S. Munayrc, Suhilla Kh. Elnamia, Nisrin A. Dwayaa and Moftah O. Darwish, Synthesis of Some Pyrazole Derivatives from 5-Chloro- and 5-Azido-1,3-diphenyl-1H-pyrazole-4-carbaldehydes, *Jordan Journal of Chemistry*, Volume 15, Number 1, 33-42 (2020).