

## AHMED M. ZAED



### Personal Details

Address Department of Chemistry, Sebha University, Sebha - Libya

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Date of Birth: 5<sup>th</sup> January 1970

Nationality: Libyan

### Education

2008-2012 **PhD, School of Chemistry, University of Glasgow, Scotland.**

“New Tandem Reactions for the Synthesis of Nitrogen Containing Natural Products” under the supervision of **Dr Andrew Sutherland**.

2002-2005 **MSci (Research), Department of Chemistry, National University of Ireland Maynooth, Ireland.**

“Synthesis and Characterisation of New Nonracemic Derivatives of Imidazole” under the supervision of **Dr. John Briody**.

1990-1994 **BSc, Department of Chemistry, Sebha University, Sebha, Libya.**

Higher Grades: Chemistry, Botany, Mathematics, Geology, English and Zoology.

### Publications

#### Articles:

1. **Ahmed M. Zaed**, Micheal D. Swift and A. Sutherland, *Org. Biomol. Chem.*, 2009, **7**, 2678. “A Stereoselective Synthesis of (+)-Physoperuvine Using A Tandem Aza-Claisen Rearrangement and Ring Closing Metathesis Reaction”. **Article Featured On The Front Cover.**

2. **Ahmed M. Zaed** and A. Sutherland, *Org. Biomol. Chem.*, 2010, **8**, 4394. “Stereoselective Synthesis of the Bicyclic Guanidine Alkaloid, (+)-Monanchorin”. **Article was chosen as one of the top ten accessed articles from OBC in September 2010.**
3. **Ahmed M. Zaed** and A. Sutherland, *Org. Biomol. Chem.*, 2011, **9**, 8030. “Total Synthesis of Clavamamol A, C and H”. **Article Featured On The Front Cover. Second top accessed article from OBC in August 2011 (as an advanced article).**
4. Ewen D. D. Calder, **Ahmed M. Zaed** and Andrew Sutherland, *Journal of Organic Chemistry*, 2013, **78**, 7223. “Preparation of *anti*-Vicinal Amino Alcohols: Asymmetric Synthesis of D-*erythro*-Sphingaine, (+)-Spisulosine, and D-*ribo*-Phytosphingosine.”
5. **Ahmed M. Zaed**, Mark W. Grafton, Sajjad Ahmed and Andrew Sutherland, *Journal of Organic Chemistry*, 2014, **79**, 1511. “Asymmetric Synthesis of *cis*-Aminocyclopetanols, Building Blocks for Medicinal Chemistry.”
6. M. Khalifa, A. Youssef, **A. F. Zaed**, A. Kraft and V. Arrighi, *International Scholarly and Scientific Research & Innovation*, 2014, **8**, 1220-1224. “Synthesis of Polystyrene Grafting Filler Nanoparticles: Effect of Grafting on Mechanical Reinforcement”.
7. M. Khalifa, A. Youssef, **A. F. Zaed** and M. Almakki, ICCPGE 2016, **1**, 25 – 30, *Al-Mergib University, Alkhoms, Libya*. “Synthesis, Structure and Properties of Polymer Nanocomposites”
8. **A. M. Zaed** and M. Khalifa, *Arab Journal of Sciences & Research Publishing*, 2017, **1**, 30-40, ISSN 2518-5780. “Synthesis of Anti-Fungals, from Chiral imidazolyl-imino and amino Compounds”.

## Work Experience

- 1997-2001     **Sirte Oil Company, Brega, Libya**  
Assigned to work with an organic chemist in urea plant.
- 2006-2008     **Department Of Chemistry, Sebha University, Sebha, Libya**  
Worked as a lecturer assistant in Organic Chemistry.

- 2013 **School of Chemistry, University of Glasgow**  
Postdoctoral Fellow in the Sutherland Research Group. “Development of Nickel Catalysed Halogen Exchange Reactions of Aromatic Compounds”.
- 2014 **Department of Chemistry, Sebha University, Sebha, Libya**  
Worked as a lecturer in organic chemistry, teaching course CH203 “Basic and Fundamentals of Organic Chemistry”, course CH503 “Mechanisms of Organic Reactions”, and their lab courses CH213 and CH513.
- 2015 Worked as a quality coordinator for the Chemistry Department.
- 2014 **Department of Pre-medical, Faculty of Medicine, Sebha University**  
Worked as a lecturer in organic chemistry “Basic and Fundamentals of Organic Chemistry”.
- 2018 Worked as a coordinator of the postgraduate studies of the Chemistry Department.

### **Presentations**

- 2008 37<sup>th</sup> Scottish Regional Meeting (December 2008, University of Aberdeen). Poster presentation: “The Synthesis of Functionalised Carbocycles using An Efficient One-Pot Overman Rearrangement And Ring Closing Metathesis Reaction.”
- 2009 38<sup>th</sup> Scottish Regional Meeting (December 2009, University of Strathclyde). Poster presentation: “The Total Synthesis of (+)-Monanchorin Using A Highly Efficient Overman Rearrangement.”
- 2010 5<sup>th</sup> WestCHEM Research Day (June 2010, University of Strathclyde). Poster presentation: “The Total Synthesis of (+)-Monanchorin Using A Highly Efficient MOM-ether Directed Overman Rearrangement.”
- 2011 WestCHEM Organic Symposium (June 2011 University of Glasgow). Oral presentation: “New Tandem Reactions for the Synthesis of *N*-Heterocyclic Natural Products.”
- 2014 Chemistry Dept. Seminar (December 2014 Sebha University). Oral presentation: “New Tandem Reactions for the synthesis of (+)-Physoperuvine.”

2015 Chemistry Dept. Seminar (December 2015 Sebha University). Oral presentation:  
“The First Total Synthesis of Clavaminol A, C and H.”

### Teaching

2010/2011 Undergraduate Teaching Lab Demonstrating, Synthetic Chemistry, 3<sup>rd</sup> Year  
Synthesis.

2011/2012 Undergraduate Teaching Lab Demonstrating, Synthetic Chemistry 1<sup>st</sup> Year  
Synthesis.

### Referees

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