

ZIAD TARIQ IBRAHIM ALKAYAR

Department of Chemistry
University of Diyala/ IRAQ
College of Education for Pure Science
Email: ziadalk15@gmail.com
Tel.: 009647705898901
Gender: Male Status: Single

Educational Qualifications

- 2013– 2017 Ph.D., Organic Chemistry, University of Sheffield/ UK
Supervised by Professor Iain Coldham
Title/ Synthesis of Iboga Alkaloids Using Cascade Cyclisation, Nitrene Cycloaddition
- 2007–2009 M.Sc., Organic Chemistry, University of Pune/ India, First Class
- 1996–2000 B.Sc., Chemistry, University of Baghdad/ Iraq

Work Experience

2017 to present Lecturer, member of staff of the Department of Chemistry/ University of Diyala

2013-2017 PhD at University of Sheffield, Supervision of Master students and summer students on their project

- 2009-2013 Assistant Lecturer, member of staff of the Department of Chemistry/ Diyala University
- Taught undergraduate students at level 3 the mechanism of Organic reactions
 - Taught undergraduate student at level 1 College of Medicine/ Diyala University
 - Taught undergraduate student at level 2 College of Science/ Diyala University
 - Led several seminars for undergraduates in the Chemistry Department
 - Supervision of undergraduate students on their projects
 - Examination invigilation ensuring correct procedures and processes were followed

- 2003-2007 Lab. Assistant at the Diyala University / Department of Chemistry
- Trained groups of undergraduates in laboratory techniques
 - Guided undergraduates towards solving problems
 - Trained non-academic staff on IR techniques

Additional Skills

Practical skills

- Good knowledge of work-up techniques in organic chemistry
- Practiced in structure determination using NMR, IR spectroscopy, mass Spectrometry and HPLC analysis
- Computing (Word, Excel, PPT, Chemdraw, SciFinder)

Conferences attended

- Drug Discovery workshop and development Network (D₃N). University of Sheffield. 23/010/2013.
- 25th SCI Regional Postgraduate Symposium on Novel Organic Chemistry. University of Sheffield. 07/04/2014.
- Royal Society of Chemistry Organic Division Midlands Meeting 2014. University of Nottingham. 25/04/2014.
- Royal Society of Chemistry Northern Postgraduate Symposium. University of Sheffield. 12/09/2014.
- 48th Sheffield Stereochemistry meeting. University of Sheffield. 13/01/2015.
- Royal Society of Chemistry Organic Division Midlands Meeting. University of Sheffield. 09/04/2015. (Poster presentation).
- 26th SCI Northern Postgraduate Symposium on Novel Organic Chemistry. University of Sheffield. 29/04/2015.
- 49th Sheffield Stereochemistry meeting. University of Sheffield. 12/01/2016.
- Professor Steven Ley's 70th Birthday Symposium. University of Cambridge. 08/04/2016.
- Royal Society of Chemistry Organic Division Midlands Meeting. University of Birmingham. 11/04/2016. (Poster presentation).
- 27th European Colloquium on Heterocyclic Chemistry. Amsterdam. 3-6/07/2016. (Poster presentation).
- Symposium on Advances in Heterocyclic Organic Chemistry. University of Sheffield. 1-2/09/2016. (Poster presentation).
- 4th National CBRN Conference in Baghdad Iraq. 14-16/04/2019. (Presentation).

Publications

- Regiochemical and stereochemical studies of the intramolecular dipolar cycloaddition of nitrones derived from quaternary aldehydes. *Synlett* **2016**, 27, 447–449
- Synthesis and Characterization of Copper (II) , Zinc (II) , Cobalt (II) and Nickel (II) complexes Derived from 2-Hydroxy-1-naphthaldehyde and DL- glycyl-DL- glycine. *Al-Qadis. Med. J.* **2017** Vol 13, 23,
- Cascade cyclization and intramolecular nitrone dipolar cycloaddition and formal synthesis of 19-hydroxyibogamine. *Org. Biomol. Chem.*, **2019**, 17, 66–73
- Synthesis and Characterisation a new 1,2,4-Triazole Carbohydrate. IOP Conf. Series: *Materials Science and Engineering* 571, **2019**, 012086.

Prizes

- Prize for the 3rd top PhD talk.

Membership

- Member of Royal Society of Chemistry
- Member of American Chemical Society

Hobbies

- Playing and watching football. Swimming. Socializing with friends. Reading books.