

## Huda Shaaban Elgubbi - Curriculum Vitae

### Personal Details

Date of Birth: 17 .8. 1972.

Nationality: Libyan.

Marital Status: Married.

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### Career History

march 2017 - Present

**Associate Professor of Plant Ecophysiology**

Department of Botany, Faculty of Science, Misurata University, Misurata, Libya

march 2014 – Dec 2018

**Associate Professor of Plant Ecophysiology**

Department of Botany, Faculty of Science, Misurata University, Misurata, Libya

September 2007 - Present

**Member of the Committee of Teaching Staff Affairs at the University**

Misurata University, Misurata, Libya

Nov 2006 – Dec 2009

**Doctor of Philosophy**

Supervisor: Dr Pual Quick, University of sheffield (sep 2004-May 2007).

Sep 2000 – Dec 2000

**Assistant Lecturer of Organic Chemistry**

Department of Botany, University of Misurata, Misurata, Libya

Sep 1996 – May 1999

**M.Sc. in Biology**

Nasser University, Misurata, Libya

**Technician of Organic Chemistry Laboratory**

Department of Chemistry, Nasser University, Misurata, Libya

Aug 1992 – Aug 1994

**Teacher of Elementary Sciences**

Intermediate Institute of Administration and Finance, Misurata, Libya

1989/1990-1991/1992

**B.Sc. in Chemistry**

Sebha University, Sebha, Libya

1984/1985-1988/1989

**G.S.S. "General Secondary School"**

Misurata School of Science, Misurata, Libya

**Fellowships and Awards**

- Oct 2012 – Jul 2013      **Sabbatical leave**  
The Misurata University, Misurata, Libya  
Spent at: The Northumbria University, Newcastle  
Upon Tyne, UK
- Oct 2005 – Aug 2006      **Associate Postdoctoral Fellowship**  
The Mississippi State University, Mississippi,  
USA
- Jan 2001 – Jun 2005      **Ph.D. Scholarship**  
The Ministry of Higher Education, Libya
- Sep 1994 – Jan 1997      **M.Sc. Scholarship**  
Nasser University, Misurata, Libya

**Publications**

- 1- “Study of the Electric Properties of Azo/Hydrazone Tautomeric Mixture of the 4-(9-Anthrylazo)-1-naphthol” Ramadan Ali Bawa and Ebtisam Mohammed Alzaraide, *Scientific Review*, 2016, 2, 100 – 104.
- 2- “Evaluating hydrogen bonding control in the diastereoselective Diels-Alder reactions of 9-(2-aminoethyl)-anthracene derivatives” **R. A. Bawa**, F. M. Gautier, H. Adams, A. J. H. Meijer and S. Jones, *Org. Biomol. Chem.*, 2015, 13, 10569 – 10577.
- 3- “Antifungal study of two synthesized phenolic azo derivatives” **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *Organic Chemistry An Indian Journal*, 2015; **11**, 14 – 18.
- 4- “The formation of the hydrazone tautomer in high ratio during the synthesis of 4-(9-anthrylazo)-1-naphthol” **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *Journal of Basic and Applied Research International*, 2015; **4**, 39 – 42.
- 5- “Synthesis and antifungal study of some azo cresols” **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *Journal of Medical Science*, 2014; **1**, 55 – 62.
- 6- “Synthesis and electric conductivity study of azo cresols” **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *Journal of Science* (special issue), 2014; 5 – 20.

- 7- "Synthesis and investigating the electric properties of two new phenolic azo derivatives" **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *American Journal of Chemistry and Application*, 2014, **1**, 49 – 53.
- 8- "Synthesis and spectroscopic study of some phenolic azo derivatives" **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, *Journal of Chemical Engineering and Chemistry Research*; 2014, **1**, 246 – 252.
- 9- "Synthesis and investigation of the RedOx potentials for some fluorene derivatives" **Ramadan Ali Bawa**, *Journal of Science*, 2014, **1**, 141 – 154.
- 10- "Study of the azo hydrazone tautomerism in the 4-(9-anthrylazo) phenol" **Ramadan Ali Bawa** and Ebtisam Mohammed Alzarade, *International Journal of Chemical, Materials Science and Engineering*, 2014, **8**, 50 – 52.
- 11- "Synthesis and electric conductivity study of the new azo dye 4-(9-anthrylazo) phenol" **Ramadan Ali Bawa**, Ebtisam Mohammed Alzaraide and Najla Nasser Ben Ehmidah, *Int. Journal of Engineering Research and Application*, 2013, **3**, 736 – 740.
- 12- "Synthesis and electric conductivity study of 4-(*p*-aminophenylazo)benzene sulphonic acid" **Ramadan Ali Bawa**, Ebtissam Jommah Zaghloot, Khadijah Etohammi Mossa and Najjat Omran Issa, *Journal of Materials Science and Engineering B*, 2013, **3**, 167 – 170.
- 13- "Synthesis of small pyridine building blocks" **Ramadan Ali Bawa** and Alicia M. Beatty, *Rasayan J. Chem.*, 2012, **5**, 496 – 499.
- 14- "Synthesis of some aminopicolinic acids" **Ramadan Ali Bawa** and Alicia M. Beatty, *J. Chem. Chem. Eng.*, 2012, **6**, 372 – 377.
- 15- "Electric conductivity study of *o*-substituted phenoxo iron (III) complexes" **Ramadan Ali Bawa**, *Journal of Chemistry and Chemical Engineering*, 2010, **4**, 54 – 58.
- 16- "Preparation and study of some arylamino iron (III) complexes" **Bawa Ramadan Ali**, *Journal of Materials Science and Engineering*, 2009, **3** (10), 51 – 53.
- 17- "Structure determination and electric conductivity of phenolic iron (III) complexes" **Ramadan Ali Bawa**, *Alsatil Journal*, 2009, **3**, 61 – 69.
- 18- "Enzymatic reduction of ketones to optically active secondary alcohols" **R. A. Bawa**, F. Ajjabou and E. Shalfooh, *Journal of Physical Science*, 2008, **19** (2), 1–5.

- 19- "Asymmetric control in Diels–Alder cycloadditions of chiral 9-aminoanthracenes by relay of stereochemical information" Harry Adams, **Ramadan A. Bawa**, Keith G. McMillan and Simon Jones, *Tetrahedron Asymmetry*, 2007, **18**, 1003–1012.
- 20- "*N*-Alkyl oxazolidines as stereocontrol elements in asymmetric Diels–Alder cycloadditions of 9-substituted anthracene derivatives" Harry Adams, **Ramadan A. Bawa** and Simon Jones, *Org. Biomol. Chem.*, 2006, **4**, 4206-4213.
- 21- "Synthesis and Diels-Alder reactions of 9-(4-benzyloxazolin-2-yl)anthracene" **Ramadan A. Bawa** and Simon Jones, *Tetrahedron*, 2004, **60**, 2765-2770.
- 22- "Recent progress in *N*-arylation chemistry" **Ramadan A. Bawa** and Simon Jones, *Reactivity*, 2002 issue.

### Conference Attendance

1. *Oral Presentation*: "Synthesis and Electric Conductivity Study of Azo Cresols" **Ramadan Ali Bawa** and Ebtisam Mohammed Alzaraide, The First Symposium on The Theories and Applications of Basic and Biosciences, Organized by The Bioresearch and Consultancies Office, Research and Consultancy Center, Misurata University, Misurata, Libya, 06<sup>th</sup> September 2014.
2. *Oral Presentation*: "Study of the azo hydrazone tautomerism in the 4-(9-anthrylazo) phenol" **Ramadan Ali Bawa** and Ebtisam Mohammed Alzarade, International Conference on Chemistry (WASET), Istanbul, Turkey, 24<sup>th</sup> - 25<sup>th</sup> March 2014.
3. *Oral Presentation*: "Synthesis of some pyridine derivatives" **Ramadan Ali Bawa**, Alicia M. Beatty, International Conference on Water and Wastewater Treatment-ICWWT 2012, KL, Malaysia, 21<sup>st</sup> – 23<sup>rd</sup> June 2012.
4. *Oral Presentation*: "Electric Conductivity Study of *o*-Substituted Phenoxo Iron (III) Complexes" **Ramadan Ali Bawa**, Afra M. Ehbara and Asma M. Shalfouh, 14<sup>th</sup> International Symposium on Solubility Phenomena, Leoben, Austria, 25<sup>th</sup> – 30<sup>th</sup> July 2010.
5. *Oral Presentation*: "Preparation and Study of Some Arylamino Iron (III) Complexes" **Ramadan Ali Bawa**, The 2<sup>nd</sup> International Conference and Workshops on Basic and Applied Sciences and Regional Annual Fundamental Science Seminar, UTM, Johor Bahru, Malaysia, 2<sup>nd</sup> – 4<sup>th</sup> June 2009.

6. *Oral Presentation*: “Enzymatic Reduction of Ketones to Optically Active Secondary Alcohols” **Ramadan Ali Bawa**, Fatima Ajjabou and Eman Shalfooh, The 2<sup>nd</sup> International Conference for Young Chemists, USM, Penang, Malaysia, 18<sup>th</sup> – 20<sup>th</sup> June 2008.
7. *Oral Presentation*: “The Synthesis of New Amino-2-pyridine Carboxylic Acids as Ligands for Designing Crystalline Host-guest Materials” **Ramadan A. Bawa** and Alicia M. Beatty, Mississippi Academy of Sciences, 17<sup>th</sup> Annual Meeting, Vicksburg, Mississippi, USA, 22<sup>nd</sup>-24<sup>th</sup> February 2006.
8. Stereochemistry at Sheffield, Sheffield, UK, 37<sup>th</sup> Annual Meeting 16<sup>th</sup> December 2003.
9. *Poster*: “Electron-rich and Electron-deficient Anthracene Chiral Auxiliaries” **R. A. Bawa** and S. Jones, 18<sup>th</sup> International Symposium on Synthesis in Organic Chemistry, Cambridge, UK, 21<sup>th</sup>-24<sup>th</sup> July 2003.
10. Stereochemistry at Sheffield, Sheffield, UK, 36<sup>th</sup> Annual Meeting 17<sup>th</sup> December 2002.
11. “The Effect of Some Organic Solvents on the Separation of Stearic Acid from Fatty Acid Mixture” Imad Al-wahaib and **Ramadan A. Bawa**; Proceedings of 1<sup>st</sup> Arab Conference for Applied Chemistry, Cairo, Egypt, November 1997.
12. “A Study of the Process of the Separation of Stearic Acid from Fatty Materials Using Alcohols”, Imad Al-wahaib and **Ramadan A. Bawa**; Proceedings of 2<sup>nd</sup> Arabic Symposium on Raw Materials for Soap and Detergent Industry, Tripoli, Libya, September 1996.

#### **Postgraduate Research Supervision:**

- “Synthesis of Some Phenolic Azo Dyes” Awarded MSc thesis, 2014
- “Synthesis and Antibacterial Investigation of Some Acetylacetone Oxime Esters” On going MSc thesis
- “Synthesis and Antifungal Study of A Number of Acetophenone Oxime Esters” On going MSc thesis
- “Synthesis and Antifungal Study of Some Bridged Oxime Esters Consist of Cycloalkane Moieties” On going MSc thesis
- “Synthesis and Antifungal Investigation of Some Bridged Aldoxime Esters” On going MSc thesis

- “Synthesis and Antimicrobial Study of Some Hydroxamic Acids” On going MSc thesis

### **Skills**

- Arabic language (first language) and English language (second language).
- Air sensitive techniques including Schlenk line methods.
- Purification techniques including thin-layer chromatography, flash column chromatography and preparative thin-layer chromatography.
- Use of IT such as Word, Chemdraw, SciFinder, Reaxys and Beilstein.

### **Impermanent Duties**

- Head of the organizing committee of the first symposium on theories and applications of basic and biosciences, Saturday, September 6<sup>th</sup> 2014, Faculty of Science, Misurata University.
- Head of the organizing committee of the first symposium on theories and applications of basic and biosciences, Saturday, September 5<sup>th</sup> 2015, Faculty of Science, Misurata University.
- Head of the organizing committee of the first symposium on theories and applications of basic and biosciences, Saturday, September 3<sup>rd</sup> 2016, Faculty of Science, Misurata University.
- Head of the organizing committee of the first annual conference on theories and applications of basic and biosciences, Saturday, September 9<sup>th</sup> 2017, Faculty of Science, Misurata University.

### **Referees**

#### **Dr. Simon Jones**

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#### **Dr. Alicia M. Beatty**

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