

## Curriculum Vitae for Fatmah Ali S Alasmary

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### **Profile:**

I am a Chemist who has taught Chemistry in the Department of Chemistry, College of Science, King Saud University for more than 7 years. I interested in research and follow recent discoveries in science, particularly Chemistry, by reading the literature.

### **Employment:**

- 12/06/2006 Teaching Assistant, Department of Chemistry, College of Science, King Saud University.
- 03/02/2009 Lecturer in Chemistry, Department of Chemistry, College of Science, King Saud University.
- 04/12/2013 Assistant professor in Chemistry, Department of Chemistry, College of Science, King Saud University (to current time)

### **Qualifications:**

- 04/12/2013 PhD for thesis in title: synthesis and evaluation of selected benzimidazole derivatives as potential antimicrobial agents, University of Bradford.
- 12/01/2008 MSc in Chemistry – Grade achieved: Excellent, King Saud University Thesis title: Synthesis and Study of Some Quinoxaline Derivatives
- 16/06/2001 BSc in Chemistry – Grade achieved: Excellent with Honors, King Saud University.

### **Skills:**

Teaching experience, research skills (practical laboratory skills in synthetic organic chemistry and antibacterial screening test), analytical skills, Computer-Aided Drug Design using AutoDock Vina software.

### **Computer Skills:**

Microsoft Office (Word, Excel and Power Point), Chemical Drawing Software (ChemDraw), Literature searching techniques (SciFinder, Beilstein-on-line, Web-of-Science, reaxys).

### **Languages:**

Arabic (mother language), English (speaking and writing).

### **Interests:**

Reading scientific research literature, engaging in meaningful discussions.

### **Materials were presented at the following symposium or conference:**

1. **F. A. S. Alasmary**,<sup>1</sup> N. Karodia,<sup>1</sup> and A. M. Snelling<sup>2</sup>. Synthesis and study of the antibacterial activity of some new benzimidazole derivatives. 2nd Bradford Royal Society of Chemistry Postgraduate Symposium , University of Bradford, UK , 24th October 2012 (First prize poster winner).
2. **F. A. S. Alasmary**,<sup>1</sup> N. Karodia,<sup>1</sup> and A. M. Snelling<sup>2</sup>. Synthesis and study of the antibacterial activity of some new benzimidazole derivatives. SLS Research and Development Symposium, University of Bradford, UK, 20th March 2013.
3. Linah S. N. AlQahtani, **Fatmah A. S. Alasmary**, and Mustafa E. EL-Araby, Synthesis, docking and biological evaluation of certain class of Nonsteroidal anti-inflammatory drugs, 254th American Chemical Society National Meeting and Exposition, August 20-24, 2017 , Washington DC (Poster).
4. Linah S. N. AlQahtani, **Fatmah A. S. Alasmary**, and Mustafa E. EL-Araby, Synthesis, docking and biological evaluation of certain class of Nonsteroidal anti-inflammatory drugs, Week of scientific posters, December 10-14, 2017, King Saud University, College of Science (Poster).

### **Mentoring, publications, patents, citations:**

- \* **Mentoring:** research mentor to 3 MSc students and 2 researchers at King Saud University, Riyadh, Saudi Arabia.
- \* **Publications:** authored 23 articles in peer-reviewed journals in medicinal chemistry.
- \* **Citations:** 75 citations garnered for published articles. H-index of 5 (Google Scholar Data).
- \* **Patents:** 3 U.S. patent applications.

### **Certificates:**

1. International day for Diabetes (15<sup>th</sup> Nov 2001). Certificate from Riyadh Care Hospital.
2. Lecture on: "Aids, Hepatitis, Cardiology and Tumor Marker". Certificate from ABBOTT Laboratories, U.S.A, 7<sup>th</sup> Apr 2002.
3. Symposium on Management of Morbid Obesity. Certificate from Saudi Medical Council for Health Specialties 16th May 2002.
4. International Conference on Chemistry and Industry 11th -15th Dec 2004. Certificate from KSU.
5. Household Chemicals, 16th -17th 2003. Certificate from Saudi Chemicals Association.
6. Course on "Methods of Scientific Research" for two months Aug –Oct 2002, Certificate from KSU Research Center.
7. Training on "How to Write a Scientific Paper" (12thDec 2005). Certificate from Training & Developing Center, Women's College.
8. Course on "Developing Creative Skills" (8th- 9th Jan 2008), King Saud University.
9. Certificate from King Saud University (12th May 2005) for my contributions on the general activities for the academic year 2004/2005.
10. Symposium "The role of natural product in drug discovery and development in new millennium". London 4th DEC 2009.
11. Central Yorkshire Section Annual General Meeting“, AGM. Bradford, 26th JAN 2010.
12. "Liquid Crystals: All things bright and beautiful" University of Bradford, Norcroft Centre, 26th JAN 2010.

13. An international symposium "New Horizons In Natural Product Chemistry", November 3rd 2010, The University of Nottingham, UK.
14. Black and Green II -Sustainable Formulations" Wednesday 10th of November, The University of York, UK.
15. 15th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-15),1-30 November 2011.
16. Completed new faculty orientation and preparation program at King Saud university, Accredited by the Staff and educational development association under the professional development named award, November 2016.

#### **Publications (six most related papers):**

- 1- **Alasmary F**, Snelling A, Zain M, Alafeefy A, Awaad A, Karodia N. Synthesis and Evaluation of Selected Benzimidazole Derivatives as Potential Antimicrobial Agents. *Molecules*. 2015;20(8):15206.
- 2- **Alasmary FAS**, Alnahdi FS, Ben Bacha A, El-Araby AM, Moubayed N, Alafeefy AM, et al. New quinoxalinone inhibitors targeting secreted phospholipase A2 and  $\alpha$ -glucosidase. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2017;32(1):1143-51.
- 3- Angeli A, Del Prete S, Osman SM, **Alasmary FAS**, AlOthman Z, Donald WA, et al. Activation studies of the alpha- and beta-carbonic anhydrases from the pathogenic bacterium *Vibrio cholerae* with amines and amino acids. *J Enzyme Inhib Med Chem*. 2018;33(1):227-33.
- 4- **Alasmary FAS**, Awaad AS, Alafeefy AM, El-Meligy RM, Alqasoumi SI. Novel quinazoline and acetamide derivatives as safe anti-ulcerogenic agent and anti-ulcerative colitis activity. *Saudi Pharmaceutical Journal*. 2017
- 5- Altamimi A-MS, Alafeefy AM, Balode A, Vozny I, Pustenko A, El Shikh ME, **Alasmary FAS**,. Symmetric molecules with 1,4-triazole moieties as potent inhibitors of tumour-associated lactate dehydrogenase-A. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 2018;33(1):147-50.
- 6- **Alasmary FAS**, Awaad AS, Kamal M, Alqasoumi SI, Zain ME. Antitumor activity of extract and isolated compounds from *Drechslera rostrata* and *Eurotium tonophilum*. *Saudi Pharmaceutical Journal*. 2017.

#### **US PATENTS ISSUED:**

- |            |   |
|------------|---|
| 15/881,653 | Evaluation of Anti-ulcer and ulcerative colitis of <i>Sonchus oleraceus</i> L |
| 15/878,367 | Anticancer effect of <i>Alpina Officinarum</i> Hance                          |
| 15/882,929 | Anticancer activity of <i>Cenchrus ciliaris</i> L                             |

#### **Professional Membership and Activities**

1. Member of the Saudi Chemical Association since 13<sup>th</sup> Apr 2004.
2. Royal Society of Chemistry, UK since Jan 2010.
3. British Society for Antimicrobial Chemotherapy, UK since AUG 2010.
4. Society of Chemical Industry, UK since MAY 2011.