

ABEER AHMED, PhD

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## Summary of Qualifications

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- Bachelor's, Master's and Doctorate in Pharmaceutical Sciences.
- Teaching experience for pharmacy students for 10 years.
- Worked in a collaborative research environment with strong communication, problem solving skills, strong organizational, planning and management skills.
- Strong verbal and written communication skills.
- Highly proactive and self-motivated with a large desire to learn new skills, concepts, and techniques.

## Education

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Doctor of Philosophy December 2011  
Memorial University of Newfoundland, School of Pharmacy  
St John's, NL  
Canada

Thesis Title: Polycyclic Angular Thieno, Thiazeto, Thiazolo and Furobenzo[h]quinolines: Design, Synthesis, In Vitro and In Silico Evaluation

Master Degree of Pharmaceutical Organic Chemistry January 2005  
Assiut University  
Faculty of Pharmacy  
Egypt

Thesis Title: Design and synthesis of some new 6-hydroxyperhydro-1,4-diazepine-2,3-dione derivatives of potential biological activity

Bachelor of Pharmaceutical Sciences - Honors July 1999  
Assiut University  
Faculty of Pharmacy  
Egypt

## Work Experience

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**Lecturer** January 2012 – Present (On Leave)  
Assiut University  
Faculty of Pharmacy  
Pharmaceutical Organic Chemistry Department  
Egypt

**Postdoctoral Fellow** February 2010 - February 2014  
Memorial University of Newfoundland-Biochemistry Department,  
St John's, NL  
Canada

- Carried out all research activities and analysis related to the proposed project.
- Presented research results in group meetings, seminars and scientific national and international conferences.
- Prepared manuscripts for publication.

**Teaching Assistant** September 2008 - January 2010  
Memorial University of Newfoundland- School of Pharmacy  
St Johns, NL  
Canada

- Assessed student performance and understanding of key information through the marking of assignments, in class quizzes and operating tutorial classes.

**Instructor and Assistant Lecturer** January 2000 - December 2006  
Assiut University  
Faculty of Pharmacy  
Egypt

- Taught Organic Chemistry laboratories for first and second year Pharmacy students

## Honours and Awards

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- Postdoctoral Fellowship (CIHR-RPP) 2013-2014;
- Recipient of the Millennium Award –Academic Excellence in Coursework and Research;
- Recipient of the Pharmacy Graduate Research Poster Award;
- Recipient of the Distinction Award from the School of Graduate Studies;
- Being a volunteer in 22<sup>nd</sup> International Congress on Heterocyclic Chemistry, St John's, Canada, August 2-7<sup>th</sup> “PO-42, 2009;
- Recipient of the Travel Award from Associations of Faculties of Pharmacy (AFPC), 2009;
- Recipient of Pre-doctorate Scholarship from the ministry of Higher Education, Egypt;
- Award of Distinction (Master thesis) from Assiut University, Egypt;
- Master Fellowship from Assiut University, Egypt; □ Outstanding Undergraduate Student (class 1999).

## Professional Training

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### Graduate Courses:

- PHAR 6102 Heterocyclic chemistry
- PHAR 6000 Medicinal Chemistry
- CHEM 6192 Adv Org & Biochem Mass Spec Anal
- Applied Organic Chemistry
- Advanced Organic Chemistry

### Research Training and Certificates:

- Workplace Hazardous materials information system (WHMIS) Laboratory safety-2007 and 2008, Department of Health and Safety, MUN.
- Laboratory Safety Training-2010 Department of Health and Safety, MUN. □ Animal Care Seminar- 2010, Animal care services, MUN.

### Workshops:

- Design and Conduct Scientific Research, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2016.
- Student Evaluation, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2016.
- How to Design the E-Course, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2016.
- Waters Free Educational Seminar on UPLC & Mass Spectrometry, Memorial University, 2013.
- Career Skills Workshops, Memorial University, 2012.
- Teaching methods workshop, faculty of education, Assiut University, Assiut, Egypt, 2006.
- Recent Trends in Teaching, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2006.
- Making Decisions and Solving Problems, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2006.
- Teaching with Technology, Faculty and Leadership Development Center, Assiut University, Assiut, Egypt, 2005.

## Publications

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- Abeer Ahmed, Kayode Balogun, Natalia Bykova and Sukhinder kaur Cheema. Novel regulatory roles of omega-3 fatty acids in metabolic pathways: A proteomics approach. *Nutrition & Metabolism* 2014, 11:6;
- Hitesh B. Vaidya, Abeer Ahmed, Sukhinder Kaur Cheema and Ramesh K. Goyal. Glycogen Phosphorylase-a is a common target for anti-diabetic effect of iridoid and secoiridoid glycosides. *Journal of Pharmacy and Pharmaceutical Sciences* 2013,16(4):530-40;
- Abeer Ahmed and Mohsen Daneshtalab. Polycyclic Quinolones (Part 1) -Thieno [2,3-b] Benzo [h] Quinoline Derivatives: Design, Synthesis, Preliminary in vitro and in silico Studies, *Heterocycles* 2012, 85: 103-122. DOI: 10.3987/COM-11-12374;

- Abeer Ahmed, Louise N. Dawe and Mohsen Daneshtalab. Polycyclic Quinolones (Part 2) - Synthesis Of Novel-4-Oxo-1,4-Dihydro Benzo [h] [1,3] Thiazeto [3,2-a] Quinoline Carboxylic Acids via Oxidative Cyclization Of The Corresponding Mercaptoquinoline Precursors, *Heterocycles* 2012, 85: 123-133. DOI: 10.3987/COM-11-12375;
- Abeer Ahmed and Mohsen Daneshtalab. Non classical biological activities of quinolone derivatives. *Journal of Pharmacy and Pharmaceutical Sciences* 2011, 15(1): 52 – 72;
- Louise N. Dawe, Abeer Ahmed, and Mohsen Daneshtalab. 4-Oxo-1,4-dihydrobenzo[h][1,3]thiazeto[3,2-a]quinoline-1,3-dicarboxylic acid. *Acta Crystallogr Sect E Struct Rep Online* 2011, 67(Pt 2): o529. DOI: 10.1107/S1600536811003333;
- Abdel-Alim A. M, M. A. Hussein, A. A. El-Shorbagi, Abeer Ahmed, and B. S. El-Menshawii Synthesis and Pharmacological Activities of Novel l-Alkyl-6-hydroxyperhydro-1,4-diazepine-2,3-diones. *Bulletin of Pharmaceutical Sciences, Assiut, University* 2006, 29(2): 253-271;
- Abeer Ahmed, A. A. El-Shorbagi, M. A. Hussein, M. M. Hamdy, and A. M. Abdel-Alim New 1,4-Disubstituted-6-hydroxyperhydro-1,4-diazepine-2,3-dione Derivatives., *Bulletin of Pharmaceutical Sciences, Assiut University* 2004, 27(2): 193-202.

### Orally Presented Seminars and Talks

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- Identification of novel protein targets regulated by maternal dietary fatty acid composition in mice liver in biochemistry seminar series, Biochemistry department, Memorial University of Newfoundland, Nov. 23rd 2011.
- Polycyclic Angular Thieno, Thiazeto, Thiazolo and Furo benzo [h] quinolines; Design, Synthesis, In Vitro and In Silico Evaluation in Graduate studies and Research Seminar, School of Pharmacy, Memorial University of Newfoundland, Fall 2011.
- Polycyclic Quinolone-Based Compounds Design, Syntheses and Biological Evaluation in Graduate Studies and Research Seminar, School of Pharmacy, Memorial University of Newfoundland, Fall 2010.
- Polycyclic Linear and angular Quinolones As Cytotoxic Agents; Design, Synthesis and In Vitro Evaluation in Graduate Studies and Research Seminar, School of Pharmacy, Memorial University of Newfoundland, Fall 2009.
- Polycyclic Linear and Angular Quinolones As Cytotoxic Agents; Design, Synthesis and In Vitro Evaluation in Graduate Studies and Research Seminar, School of Pharmacy, Memorial University of Newfoundland, Fall 2008.
- Neoplasm and Anticancer Chemotherapy: Introduction of Novel Mechanism-Based Tetracyclic Quinolones with Potential Anticancer Properties, in Graduate Studies and Research Seminar, School of Pharmacy, Memorial University of Newfoundland, Fall 2007.

### References

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Available upon request