CV

Family Name:	Wahba
First Name:	Haytham Mohamed Gamaleldin
Current Positions:	Assistant Lecturer Department of Pharmacognosy Faculty of Pharmacy Beni-suef University, Egypt.
Address:	Department of Pharmacognosy Faculty of Pharmacy Beni Suef University Beni Suef Egypt
Telephone (Cell)	01089831245
Telephone (work)	01272882213
E-mail	Haytham,wahba@gmail.com
Data of Birth	9-March-1981
Nationality	Egyptian
Sex	Male

Education and Training

1) Ph. D. in Biochemistry **(2010-2016)**

Department of Biochemistry
University of Montreal
Montreal, Canada.

***Thesis*:** "Structural and mechanistic studies of the bacterial organomercurial lyase MerB"

2) Master in Pharmaceutical Sciences **(2006-2009)**

Department of Pharmacognosy
Faculty of Pharmacy
Beni Suef University
Beni Sueif, Egypt.

***Thesis*:** "Phytochemical and Biological Studies of Clerodendrum Species Cultivated in Egypt."

3) Pre-master training course **(2005)**

Faculty of Pharmacy
Cairo University
Cairo, Egypt.

Courses included in training: Chromatography, Spectroscopy, Medicinal Plant and Plant Tissue Culture.

4) Bachelor of Pharmacy **(2003)**

Faculty of Pharmacy
Beni Suef University
Beni Sueif, Egypt.

Graduated with general grade of excellent with honors.

Work Experience

1) Assistant Lecturer **(2009)**

Department of Pharmacognacy

Faculty of Pharmacy

Beni-Suef University

Beni-Sueif, Egypt.

2) Demonstrator **(2004)**

Department of Pharmacognacy

Faculty of Pharmacy

Beni-Suef University

Beni-Sueif, Egypt.

Research Skills

- X-ray Crystallography- Structural Biology: Protein expression, Protein purification, protein crystallization
- Registered user in three synchrotrons; the National Synchrotron Light Source (NSLS-I), Advanced photon source (APS) and Canadian light source (CLS).
- X ray data collection, structure determination, model building and refinement.
- Analytical techniques: Experienced in analytical HPLC, FPLC and ITC

Scholarships

- Partnership & Ownership Initiative (ParOwn) Scholarship for six months (20 April - 20 October, 2007) form Egyptian Ministry of Higher Education and State for Scientific Research (MHESR). The scholarship enabled me to complete my experimental work for the master's degree in Luc Pieters`s Laboratory of Pharmacognosy and Phytochemistry, Department of Pharmaceutical Sciences, University of Antwerp, Campus Drie Eiken, B-2610, Antwerp, Belgium.
- Egyptian Ministry of Higher Education and State for Scientific Research (MHESR) scholarship for Ph.D. study at the Université de Montréal. Starting September 2010 to the present.

Training and Workshops Attended

- **CCP4/APS school in Macromolecular crystallography**: From data collection to structure refinement. APS – Argonne National Laboratory, Illinois, USA. 24 June – 2 July, 2014.
- **RapiData 2012 workshop**; A practical course in Macromolecular X-Ray Diffraction Measurement. NSLS I - Brookhaven National Laboratory. New York, USA. April, 2012.
- **SESAME-JSPS School and SESAME 7th users meeting**, Cairo University, Cairo, Egypt, 17-22 November, 2008.
- **Fifth SESAME users meeting** and the followed workshop on synchrotron application in macromolecular crystallography, Alexandria, Cairo, Egypt, 27 Nov-2 Dec, 2006.
- **Summer School in Protein Crystallography in SESAME**, Faculty of Science, Cairo University, Cairo, Egypt, 9 May – 4July, 2006.

Conference participation

- **Detoxification of Organometals with organomercurial lyase MerB and its unique metal binding properties.**

  Haytham M. Wahba, Ahmed A. Mansour, Julien Lafrance-Vanasse, Laurent Cappadocia, Jurgen Sygusc1, Kevin J. Wilkinson and James G. Omichinski

  Invited Oral Presentation at the 12th SESAME Users meeting. Amman, Jordan, 27 November, 2014.

- **The organomercuriallyase MerB possesses unique metal-binding properties.**

  Haytham M. Wahba, Ahmed A. Mansour, Julien Lafrance-Vanasse, Laurent Cappadocia, Jurgen Sygusc1, Kevin J. Wilkinson and James G. Omichinski

  Poster presented at the IUCr 2014 – IUCr – 23rd Congress and general assembly, Montreal, Canada, 5-12 August, 2014.
- **Unique selectivity of Organomercuriallyase MerB toward heavy metal.**

  Haytham M. Wahba, Ahmed A. Mansour, Julien Lafrance-Vanasse , Laurent Cappadocia, Jurgen Sygusc1, Kevin J. Wilkinson and James G. Omichinski

  Oral Presentation at the 25e Journée Simon-Pierre Noel, Département de Biochimie et Médecine Moléculaire, Montreal, Canada, 9 May, 2014.
- **Phytochemical Studies and Biological Evaluation of Certain Clerodendrum Species Cultivated in Egypt.**

  Haytham M. Wahba, Sameh F. AbouZid, Abdelaaty A. Shahat, Ali M. El-Shamy, Luc Pieters

  Poster presented at the 4th international conference of pharmaceutical & drug industries research division, National Research Center (NRC), Cairo, Egypt, 3-5 March, 2009.

Publication

- **Haytham M. Wahba**, Michael Stevenson, Ahmed Mansour, Jurgen Sygusch, Dean E. Wilcox, James G. Omichinski. Structural and biochemical characterization of organotin and organolead compounds binding to the organomercurial lyase MerB provide new insights into its mechanism of carbon-metal bond cleavage. 2016, J. Am. Chem. Soc.
- **Haytham M. Wahba**, Lauriane Lecoq , Michael Stevenson , Ahmed Mansour , Laurent Cappadocia , Julien Lafrance-Vanasse , Kevin J. Wilkinson , Jurgen Sygusch , Dean E. Wilcox , James G. Omichinski. Characterization of a copper-binding mutant of MerB: Insight into metal binding specificity and redirected protein function. 2016, Biochemistry 55 (7), 1070-1081.
- **Haytham M. Wahba**, Sameh F. AbouZid, Amany A. Sleem, Sandra Apers, Luc Pieters, and Abdelaaty A. Shahat. Chemical and biological investigation of some Clerodendrum species cultivated in Egypt, Pharmaceutical Biology, 2011; 49(1): 66–72.

- Sameh F. AbouZid, **Haytham M. Wahba**, Ali Elshamy, Paul Cos, Louis Maes, Sandra Apers, Luc Pieters & Abdelaaty A. Shahat. Antimicrobial activity of some Clerodendrum species from Egypt, Natural Product Research, 2012, 1–5, iFirst.

References

- References and letters of recommendation available on request.