

## Curriculum Vitae

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**Name :** Amr Mostafa El-Hawiet  
**Date of birth :** September 1 , 1979  
**Telephone :** +201222440809  
**Address:** 4 University staff building, Smouha, Alexandria  
**E-mail address :** elhawiet@ualberta.ca  
**Academic rank :** Associate professor  
**Nationality :** Egyptian / Canadian

### **Higher Education:**

2007-2012 **Ph.D.**, Department of Chemistry, University of Alberta, Edmonton, Canada  
2003-2006 **M.Sc.**, Department of Pharmacognosy and natural products, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.  
1997-2002 **B.Sc.**, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt

### **Work and Teaching Experience:**

#### **September 2017 – Present**

- Associate Professor, Department of Pharmacognosy and natural products, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt
- Associate Professor, Faculty of Pharmacy, Arab Academy for Science Technology & Maritime Transport (AASTMT), Alexandria, Egypt.

#### **August 2016 – September 2017**

- Visiting professor, University of Alberta, Edmonton, AB, Canada

#### **September 2013 – August 2016**

- Assistant Professor, Department of Pharmacognosy and natural products, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
- Assistant Professor, Department of Pharmacognosy and medicinal plants, Faculty of Pharmacy, Pharos University, Alexandria, Egypt.

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### June 2012 – September 2013

- Postdoctoral fellow in Alberta Glycomics Centre (AGC), Edmonton, AB, Canada.

### January 2008 – June 2012

- Teaching Assistant, Department of Chemistry, University of Alberta, Edmonton, AB, Canada.
- Completed level 1 and 2 of the **graduate teaching and learning (GTL) program**, Faculty of graduate studies and research, University of Alberta, Edmonton, AB, Canada.

## ***Research and professional Experience***

**Separation techniques:** HPLC, HPTLC, Size exclusion chromatography.

**Structural elucidation techniques:** 1D & 2D NMR, IR and UV spectroscopy

**Mass spectrometry (MS):** Electrospray MS, Matrix-assisted laser desorption/ionization, Time of flight MS, Fourier transform (FT) MS, Tandem MS, Ion mobility MS.

**DNA barcoding:** DNA extraction, DNA sequencing, PCR, RAPD.

**Computational moduling and docking simulations.**

## ***Awards***

- 1) The National Academy of Scientific Research and Technology Encouragement Award fo Applied Medical Research May 2019.
- 2) Alexandria University Global Young Researchers award 2016 (Alex-GYR)
- 2) Queen Elizabeth II Doctoral scholarship, Canada, 2011-2012.
- 3) Walter H John award, Alberta, 2011.
- 4) University of Alexandria Award for Top Ten Pharmacy Students, Egypt, 2002.

## ***H-index***

H-index= 10 (Scopus ID: EI-Hawiet, Amr M.)

## ***Publications***

1. Hammoda, H.M.; Harraz, F.M.; Farag, M.A.; El-Aswad, A. F.; **El-Hawiet, A.**; Eid, A.M. Volatiles Profiling and Bioactivities of *Cupressus* spp. Leaf and Cone Essential Oils as Analyzed via Chemometrics Tools. JEOR, **2018**, DOI: 10.1080/10412905.2018.1496857.
2. Harraz, F.M.; Hammoda, H.M.; **El-Hawiet, A.**; Radwan, M.M.; Wanas, A. S.; Eid, A.M.; ElSohly, M. A. Chemical constituents, Antibacterial and Acetylchoine esterase inhibitory activity of *Cupressus macrocarpa* leaves. Nat Prod Res, **2018**, DOI: 10.1080/14786419.2018.1508140

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3. El-Deeb, N.M.; Yassin, A.M.; Al-Madboly L.A.; **El-Hawiet, A.** A novel purified *Lactobacillus acidophilus* 20079 exopolysaccharide, LA-EPS-20079, molecularly regulates both apoptotic and NF- $\kappa$ B inflammatory pathways in human colon cancer *Microb Cell Fact*, **2018**, 17-29
4. **El-Hawiet, A.**; Chen, Y.; Shams-Ud-Doha, Y.; Kitova, E. N.; Kitov, P.I.; Bode, L.; Hage, N.; Falcone, F.; Klassen, J. S. Screening natural libraries of human milk oligosaccharides against lectins using CaR-ESI-MS *Analyst*, **2018**, 143, 536
5. **El-Hawiet, A.** A Simple, Sensitive, and Label-Free Platform for the Quantification of Lactoferrin in Camel and Goat Milk Based on Thin-Layer Chromatography. *Chromatographia*, **2017**, (2017) 80:1797–1804
6. **El-Hawiet, A.**; Chen, Y.; Shams-Ud-Doha, Km; St-Pierre, Y.; Kitova, E. N.; Klassen, J. S. High-Throughput Label- and Immobilization-Free Screening of Human Milk Oligosaccharides Against Lectins *Anal. Chem.*, **2017**, 89 (17), 8713-8722
7. El-Yazbi, Amira F.; **El-Hawiet, A.** Novel Chromatographic Methods for Simultaneous Quantification of Fish and Wheat Germ Oils Mixture in Pharmaceutical Dosage Forms *J Chromatogr Sci*, **2017**, 55(5), 497-507.
8. Mekky, H. ; Elsohaby, S. Abu elkhair, R., **El-Hawiet, A.** Total polyphenolic content and antioxidant activity of *Silybum marianum* cultures grown on different growth regulators. *Int J Pharm Pharm Sci*, **2017**, 9 (4), 44-47
9. **El-Hawiet, A.**, Kitova, E. N.; Klassen, J. S. Recognition of human milk oligosaccharides by bacterial exotoxins *Glycobiology*, **2015**, 25:845-54.
10. Sanhueza, C.A., Cartmell, J., **El-Hawiet, A.**, Szpacenko, A., Kitova, E.N., Daneshfar, R., Klassen, J.S., Ng, K.S.K, Eugenio, L., Kitov, P.I., Bundle, D.R. Evaluation of a focused virtual library of heterobifunctional ligands for *Clostridium difficile* toxins *Organic & Biomolecular Chemistry*. **2015**, 13(1), 283-298.
11. Arutyunov, D.; Singh, U.; **El-Hawiet, A.**; Seckler, H.D.S.; Nikjah, S.; Joe, M.; Bai, Y.; Lowary, T.L.; Klassen, J. S; Evoy, S.; Szymanski, C. M.; Mycobacteriophage cell binding proteins for the capture of mycobacteria *Bacteriophage* **2014**, 4,4, e960346-1.
12. Kitova, E. N.; **El-Hawiet, A.**; Klassen, J. S. Screening Carbohydrate Libraries for Protein Interactions Using the Direct ESI-MS Assay. Applications to Libraries of Unknown Concentration *JASMS*, **2014**, 25, 1908-1916.
13. **El-Hawiet, A.**; Kitova, E. N.; Klassen, J. S. Quantifying Protein Interactions with Isomeric Carbohydrate Ligands Using a Catch and Release Electrospray Ionization-Mass Spectrometry Assay *Anal. Chem.*, **2013**, 85, 7637–7644.

14. **El-Hawiet**, A.; Kitova, E. N.; Arutyunov, D.; Simpson, D. J.; Szymanski, C. M.; Klassen, J. S Quantifying Ligand Binding to Large Protein Complexes Using Electrospray Ionization Mass Spectrometry *Anal. Chem.* **2012**, 84, 3867–3870.
15. **El-Hawiet**, A.; Kitova, E. N.; Kitov, P.; Eugenio, L.; Ng, K. K. S.; Mulvey, G. L.;

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