

## ***CURRICULUM VITAE (C.V)***

### **Personal Information**



Name: **Iyad Hailat**  
Nationality: Jordanian  
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### ***Education:***

- **Ph.D. degree in Analytical Chemistry/Memorial University of Newfoundland, St. John's, NL/ Canada. 2014.(GPA 4) Excellent.**

**Theses title:** Chromatographic separation and mass spectrometric methods for analysis of sterols and fatty acid steryl esters in biological matrices.  
Supervisors: Dr. Robert Helleur & Dr. Christopher Parrish

- **M.Sc. degree in Analytical Chemistry/Mu'tah University/Jordan. 2008. (83.4%).**

**Theses title:** Qualitative and quantitative determination of heavy metals, major anions and major cations of the water of Almujeb dam, central Jordan.  
Supervisor: Dr. Waleed Manasreh

- **B.Sc. degree in Science (Physics and Chemistry). 2002. Good**

### **Work experiences**

## 1. Academic experiences

- **Assistant professor** at Middle East University, Faculty of Pharmacy  
**Amman, Jordan.** (Oct 2019- till now)
- **Assistant professor** at Amman Arab University, Faculty of Pharmacy,  
Amman, Jordan (Sep 2016- Sep 2019)  
**Main responsibilities:**
- **Senior researcher Analytical chemist** at pharmaceutical research  
center (July 2015-March 2016)

### **Conducting bioequivalence studies on drugs manufactured locally and internationally**

- **Post-doctoral Fellowship** at Cape Breton University, Canada: *Nov 2014-May 2015*: Working on removal of in-organic (Heavy metals) and organic chemicals (Phthalates) from water using activated carbon.
- **Teaching Assistant**/ Chemistry Department, Memorial University of NL, St. John's, Canada. *2009-2013*.
- **Chemistry Teacher** at high schools, Ministry of Education/ Al-Karak-Jordan. *2004-2008*.

## 2. Management experiences:

- Dean's assistant for Quality Assurance Affairs: Sep 2018-Aug 2019. Amman Arab University.
- The head of quality assurance committee at the faculty of pharmacy at Amman Arab University Nov 2017-Aug 2019.

## **Publications**

- **Hailat, I. A.** Structural elucidation of derivatized sterols using electrospray ionization/atmospheric pressure chemical ionization-ion trap mass spectrometry. *International journal of mass spectrometry*. under review.
- Kalko K.O, Drogovoz S.M., Komarova A.P, **Hailat I. A.** Drogovozk. V, Ivantsyk L.B Causes and legal aspects of the off label drugs emergence: Literature review. *Pharmacologyonline*, vol: 1, 179-186. 2021.
- Drogovoz S. M., Kalkok. O, **Hailat I. A.**, Ivantsyk L. B, Kireyev I. V. Carboxytherapy as an alternative off label method for diabetes Mellitus treatment: A review. *Pharmacologyonline*, Vol:1, 447-455. 2021
- Shalsh, F.J, Altaif K I, Zharif DM, **Hailat IA**, Alqaisi KM, Al-Sultan I I. A study on antibacterial sensitivity character to piper betle: A potential for alternative medicine. *Research Journal of Pharmacy and Technology*. 14(9), 2021.
- **Hailat, I.A.**, Parrish, C.C., and Helleur, R.J. Sterol composition of blue mussels fed algae and effluent diets from finfish culture. *J. Shellfish Res.* 2016, 35, 1-6.
- **Iyad Hailat** and Robert Helleur: Direct analysis of sterols by derivatization matrix-assisted laser desorption/ionization time-of-flight and tandem mass spectrometry. *Rapid communication in mass spectrometry*. 2014, 28, 149-158.
- **Iyad Hailat** and Robert Helleur. Identification of fatty acid steryl esters in margarine and corn using direct flow injection ESI-MS<sup>n</sup> ion trap-mass spectrometry. *International Journal of Mass Spectrometry*. 2014, 362, 24-31.
- Waleed Manasreh, **Iyad Hailat**, Tayel Mahmoud EI-Hasan. Heavy metal and anionic contamination in the water and sediments in Al-Mujeb reservoir, central Jordan. *Environmental Earth Sciences*. 2010, 60, 613-621.

## **Conferences**

- 105<sup>th</sup> American Oil Chemists Society (AOCS) Conference. "Novel Mass Spectrometric methods for analysis of sterols in biological samples. **Iyad Hailat** and Robert J Helleur. San Antonio, Texas/USA, 2014.
- 104<sup>th</sup> American Oil Chemists Society (AOCS) Conference. "Identification of sterol esters in margarine and corn using ESI-QIT MS<sup>n</sup>. **Iyad A Hailat**, Christopher C Parrish and Robert J Helleur, Montreal/Canada, 2013.
- Canadian Society of chemistry (CSC). "Analysis of derivatized sterols by MALDI-TOF MS and ESI/APCI ion trap mass spectrometry. **Iyad A Hailat**, Christopher C Parrish and Robert J Helleur, Calgary/Canada, 2012.
- Atlantic Fisheries Technology Conference. "Sterol Content and Composition of Mussels Fed Different Diets". **Iyad A Hailat**, Christopher C Parrish and Robert J Helleur. Memorial University of Newfoundland, St. John's/ Canada. 2010.
- The 8<sup>th</sup> Jordanian Conference in Chemistry. "The Study of the Influence of AL-Lajoun Basin on Water Quality of AI-Mujeb dam" **Iyad A Hailat**, Waleed Manasreh. AI-Betra University/ Jordan 2008.
- The 5<sup>th</sup> Jordanian International Conference of Chemistry. "The Study of the Influence of AI-Lajoun Basin on Water Quality of AI-Mujeb dam" **Iyad A Hailat**, Waleed Manasreh. Yarmouk University/Jordan 2008.

### ***Honours, Awards and Fellowships***

- Post-doctoral Fellowship/ Cape Breton University, NS, Canada. Nov2014-May 2015.
- Ph.D. Scholarship/Memorial University of NL. 2009-2013.
- Undergraduate Fellowship, Ministry of Higher Education, Jordan. 1997-2002.

### ***Research Interests***

- Extraction of drugs from human plasma using different extraction methods such as Liquid/Liquid extraction, solid phase extraction and protein precipitation followed by profiling the drugs using LC-Triple quad tandem mass spectrometry.
- Profiling of phytosteryl glycosides and acylated phytosteryl glycosides in different plant samples using chromatographic separation and mass spectrometric techniques.
- Analysis of steroids and lipids in biological matrices.
- Examine the use of Desorption Electrospray Ionization-Mass Spectrometry (DESI-MS) for the rapid analysis of sulphated ester of sterols in human's fluids (blood and urine) as a mean of developing more practical ways of analyzing samples without the need for lipid extraction.
- Activated carbon and its applications in environmental chemistry.

### ***Scientific Memberships***

- Canadian Society of Chemistry (CSC)
- Canadian Society of Mass Spectrometry (CSMS)
- American oils Chemists Society (AOCS)

### ***Short Courses, Workshops and Training***

- Improving teaching skills: Amman Arab University. 2016
- Workshop in chromatographic separation techniques by Agilent Company (Memorial University of NL, Canada). 2013
- TOGA workshops (Teaching Opportunities for Graduate Assistants). 2010
- GRIP course: (Graduate Research Integrity Program) in Memorial University. 2009.
- Lab Safety Training in Memorial University. 2010
- Chromatographic applications course (Theory & Practice on GC/MS, HPLC, IC, Atomic absorption spectrophotometer) by Prince Faisal Center for Dead Sea Research at Mu'tah University/Al-Karak-Jordan. 2007.
- Statistical programme SPSS, One way ANOVA, *t*-test, etc,.....
- Computer courses (Word, Excel, Access, PowerPoint, Web pages design). 2003
- Computer maintenance courses (software and hard ware). 2005