



## Ahmad Abu-awwad

### PhD Analytical chemistry

#### Personal

- Nationality : Jordanian
- National no. : 9801031757
- ID card no. : ESV56808
- Date and place of birth : 30/12/1980 in Saudi Arabia
- Religion: Islam
- Social state : Married, 4 kids



#### Contact

Amman, Jordan  
 00962-799302636  
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#### Skills

- General computer skills and maintenance.
- General maintenance for analytical instruments.
- Flexible and very good in communication with others (different origins).



#### Languages

- Arabic : Native
- English : Very good
- German : Beginner



#### Interests

- Research and development
- Scientific publication
- Technologies
- Business

#### ● Education

- 2017 PhD in analytical chemistry (University of Duisburg-Essen, Essen, Germany), Very good rank (with great honor).
- 2011 MSc in chemistry (University of Jordan, Jordan), with rank of 3.06.
- 2004 BSc in chemistry (University of Petra, Jordan), with 3.25rank.

#### ● Professional Experience

- 09/2019 present: Assistant professor in facility of pharmacy, Jerash university.
- 09/2018 to 09/2019: Researcher in monitoring and assessing directorate, Ministry of Environment, Jordan. Including management of landfills and air pollutants monitoring.
- 05/2017 to 07/2018: (part time) Consulting in Elriah research center, liver research institute, Egypt. Including new bioanalytical lab establishment, bioequivalence studies direction, analytical instruments demonstration.
- 01/2015 to 03/2017: PhD research attendance, following a multi objective project, titled thesis with 'Determination of Nicotine, Cotinine and Nicotine N-Oxide in Human Blood, Plasma, Urine, Semen and Sperm by LC-Orbitrap MS: Application to Clinical Study'.
- 08/2013 to 10/2014: Product and application specialist for Waters Inc. in Dafco, Saudi Arabia.
- 07/2004 to 07/2013: Lab management in Jordan center for pharmaceutical research, Amman, Jordan. Including bio-analytical methods development and validation, bioequivalence studies direction.

## Research and publication

- 1- Determination of Fingolimod in Whole Blood by LC-MS/MS: Application to Bioequivalence Study.  
**Ahmed Abu-Awwad**<sup>1,2\*</sup>, Tawfiq Arafate<sup>2</sup>, Basil Arafat<sup>3</sup>, Asaad Shahin<sup>4</sup>, Hadil Alotaibi<sup>5</sup> and Mona Bustami<sup>6</sup>  
**Journal of Bioequivalence & Bioavailability.**
- 2- Simultaneous determination of antibiotic residues (enrofloxacin, ciprofloxacin, doxycycline and chloramphenicol) in milk of Jordan market.  
Hasan Y. Mutia\*, Dima F. Khaterb, Ahmad M. khalafc , **Ahmad N. Abu-awwad**<sup>d,e</sup> , Tawfiq A. Arafate.  
**Acta Poloniae Pharmaceutica (2020)**  
Journal impact factor: **0.5**
- 3- LC-MS Method for Evaluation of Two Brands of Enalapril 20mg Tablets in Healthy Human Volunteers.  
Wael Abu Dayyih, Mohammed Hamad, **Ahmad Abu Awwad**, Eyad Mallah, Zainab Zakarya, Alice Abu Dayyih, and Tawfiq Arafat.  
**Journal of Analytical Methods in Chemistry (2017).**  
Journal impact factor: **1.8**
- 4- Determination of nicotine and cotinine in human blood by dried blood spot/ LC-Orbitrap MS technique.  
**Ahmad Abu-awwad**, Tawfiq Arafat, Oliver J. Schmitz\*  
**Journal of Analytical & Pharmaceutical Research. 3 (2017) 1-7.**  
Journal impact factor: **NA**
- 5- Study the Influence of Licorice and Pomegranate Drinks on Nicotine Metabolism in Human Urine by LC-Orbitrap MS.  
**Ahmad Abu-awwad**, Tawfiq Arafat, Oliver J. Schmitz\*  
**Journal of Pharmaceutical and Biomedical Analysis. 132 (2016) 60–65.**  
Journal impact factor: **3.25**
- 6- Simultaneous determination of nicotine, cotinine and nicotine N-oxide in human plasma, semen and sperm by LC-Orbitrap MS.  
**Ahmad Abu-awwad**, Tawfiq Arafat, Oliver J. Schmitz\*  
**Analytical and Bioanalytical Chemistry, 408 (2016) 6473–6481.**  
Journal impact factor: **3.78**
- 7- Determination of Fenofibric Acid in Human Plasma by LC–MS/MS and LC–UV.  
Tawfiq Arafat, Basil Arafat, **Ahmad Abu Awwad\***, Oliver J. Schmitz.  
**Chromatographia, 79 (2016), 685–692.**  
Journal impact factor: **1.4**
- 8- Relative Bioavailability of Ciprofloxacin Doses (750 and 1000) mg in Healthy Male Volunteers by Using HPLC Method. Mallah E, Arafat, Al khawaja , Abu Dayyih, **Abu Awwad**, Hroub H, Hamad M3 and Arafat.  
**Journal of Bioequivalence Studies, 1 (2015) 1-6.**  
Journal impact factor: **NA**

- 9- Comparative bioavailability of two different quetiapine doses (50 and 200 mg) in healthy volunteers by using LC/MS method.  
Eyad Mallah, Basel Arafat, **Ahmad Abu Awwad**, Wael Abu Dayyih, Mohammed Mima and Tawfiq Arafat.  
**Journal of Chemical and Pharmaceutical Research**, 12 (2014) 559-569.  
Journal impact factor: **0.4**
- 10- Determination of loperamide in human plasma and saliva by liquid chromatography-tandem mass spectrometry.  
Tawfiq Arafat, Basil Arafat, Riad awad, **Ahmad Abu-awwad\***  
**Journal of Chromatography B**, 972 (2014) 81–88.  
Journal impact factor: **2.71**
- 11- High Performance Liquid Chromatographic Determination of Montelukast Sodium in Human Plasma: Application to Bioequivalence Study.  
Ashok K. Shakya\*, Tawfiq A. Arafat, Nancy M. Hakooz, **Ahmad N. Abu-awwad**, Hamza Al-Hroub.  
**Acta Chromatographica Journal**, 26 (2014) 457–472.  
Journal impact factor: **0.76**
- 12- Study of food effect on Cyclobenzaprine absorption in human body by using liquid chromatography tandem mass spectrometer technique. **Ahmad Abu awwad**, Mahmoud Yacoub, Mahmoud Alawi, Tawfiq Arafat  
**International Journal of Research in Pharmaceutical and Biomedical Sciences**, 4 (2013) 2229-3701.  
Journal impact factor: **0.41**
- 13- Simultaneous Determination of Amlodipine and Atorvastatin with Its Metabolites; Ortho and Para Hydroxy Atorvastatin; in Human Plasma by Liquid Chromatography Ion Trap Mass Spectrometry.  
Mahmoud Yacoub, **Ahmad Abu awwad**, Mahmoud Alawi\*, Tawfiq Arafat.  
**Journal of Chromatography B**, 15 (2013) 36-47.  
Journal impact factor: **2.71**
- 14- Tamsulosin quantification in human plasma by high performance liquid Chromatography coupled to electrospray tandem mass spectrometry.  
Ashok K. Shakya, Nancy M. Hakooz, Tawfiq A. Arafat, **Ahmed N. A. Abu-awwad**, Jafar Abd El-Ghani.  
**Acta Chromatographica Journal**, 22 (2010) 99-114.  
Journal impact factor: **0.76**
- 15- Simple and rapid HPLC method for the determination of alfuzosin in human plasma.  
Ashok K. Shakya, Tawfiq A. Arafat, **Ahmad Abu awwad**, Hamza Al-Hroub, Munther Melhim.  
**Jordan Journal of Pharmaceutical Sciences**, 3 (2010) 25-36.  
Journal impact factor: **0.23**

- 16- Simultaneous determination of triprolidine and pseudoephedrine in human plasma by liquid chromatography-ion trap mass spectrometry.  
Ashok K. Shakya,\*, Tawfiq A. Arafat, **Ahmad N. Abuawwad**, Munther Melhim, Jafar Al-Ghani, Mahmoud J. **Journal of Chromatography B.** 877 (2009) 4071–4078.  
Journal impact factor: **2.71**
- 17- Validated liquid chromatographic–ultraviolet method for the quantitation of tadalafil in human plasma using liquid–liquid extraction. Ashok K. Shakya, **Ahmed N.A. Abu-awwad**, Tawfiq A. Arafat, Munther Melhim.  
**Journal of Chromatography B.** 852 (2007) 403-408.  
Journal impact factor: **2.71**

## **Training courses**

1. Currently, ISO 17025, (Provided by local agent, Jordan).
2. 16-17 Aug 2019, Health Impact Assessment of Air Pollution. (Certified by World Health Organization, Jordan)
3. 30<sup>th</sup> July 2019, Tanks & Pipelines Corrosion & Mitigation Plans. (Certified by NACE international, Jordan).
4. 17-18 Jun 2019, Training of Trainer Healthcare Waste Treatment. (Certified by UNDP, Jordan).
5. 11-17 Jun 2019, Users engagement strategy building on statistical data usage. (Provided by department of statistics, Jordan).
6. 14-16 April 2019, development of integrated greenhouse gas, short-lived climate pollutant and air pollutant emission inventories using LEAP-IBC, (Certified by Stockholm Environment Institute-SEI, Jordan)
7. 25-27 Mar 2019, landfill environmental control including water and emissions monitoring, (Certified by EU, Jordan).
8. 20-21 Mar 2019, Biogases analyzer training for landfills monitoring, (Certified by EU, Jordan).
9. 3-7 Mar 2019, Environmental Impact Assessment, (Certified by GIZ, Jordan).
10. 27-28 Nov 2018, Promoting SCP and Green Economy for the Waste, Energy and Transportation sectors in Jordan, (Certified by EU, Jordan).
11. 5-7 Nov 2018, Mainstreaming Ecosystem-based Adaptation (EBA) into development planning. The training session was implemented by GIZ, GmbH on behalf of federal Ministry of Economic, (Certified by GIZ, Jordan).
12. 22<sup>th</sup> Oct 2018, Collaborating, Learning and Adapting (CLA), (Certified by USAID, Jordan).
13. 21-25 Oct 2018, Planning and organization of work, Management and building teams, Communication skills, Administration creativity, Decision making, and Writing reports, (Certified by Institute of Public Administration, Jordan).
14. 10<sup>th</sup> Des 2013, High Resolution Mass Spectrometry (MS/MS) Sales Training (Certified by GSC, Dubai, UAE).

15. 29<sup>th</sup> Oct. 2013, Mass Spectrometry Sales, (Certified by GSC, Dubai, UAE).
16. 9<sup>th</sup> Sep. 2013, Chromsystems (Diagnostics by HPLC and LC-MS/MS) Sales Training, (Certified by GSC, Dubai, UAE).
17. 26<sup>th</sup> Jun. 2011, Qualified Service Operator Training on the API 3200 and API 3000 Mass Spectrometry, (Certified by AB Sciex (Applied Biosystems), Jordan).
18. 19-20, Apr. 2011, Mass Spectrometry Training Course, (Certified by JAMP, Jordan).