



Ahmad Abu-awwad

PhD Analytical chemistry

Personal

- Nationality : Jordanian
- National no. : 9801031757
- ID card no. : 10206048
- Date and place of birth : 30/12/1980 in Saudi Arabia
- Religion: Islam
- Social state : Married, 4 kids

Contact

- Amman, Jordan
- 00962-799302636
- ahmad_chem@hotmail.com

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- 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^{d,e}**,
Tawfiq A. Arafate.
Acta Poloniae Pharmaceutica (2020)
Journal impact factor: **0.5**
- 2- 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**
- 3- 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**
- 4- 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**
- 5- 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**
- 6- 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**
- 7- 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**

- 8- 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**
- 9- 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**
- 10- 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**
- 11- 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**
- 12- 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**
- 13- 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**
- 14- 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**

- 15- 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**
- 16- 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**

Written manuscripts

- 1- Study the influence of seasonal transportation emissions on local ambient air quality.
- 2- Clinical pharmacokinetic study for 25 mg nicotine batches in Jordanian volunteers.
- 3- Determination of fentanyl in human plasma: Application to bioequivalence study for fentanyl batches in Jordanian volunteers.

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. 30th 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. 22th 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. 10th Des 2013, High Resolution Mass Spectrometry (MS/MS) Sales Training (Certified by GSC, Dubai, UAE).

15. 29th Oct. 2013, Mass Spectrometry Sales, (Certified by GSC, Dubai, UAE).
16. 9th Sep. 2013, Chromsystems (Diagnostics by HPLC and LC-MS/MS) Sales Training, (Certified by GSC, Dubai, UAE).
17. 26th 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).