



Name: Ibrahim Naji Ibrahim Tarawneh
Position: Associate Professor in Analytical Chemistry
Affiliation: Department of Chemistry , Faculty of Science, Al-Balqa Applied University
Mobile number: + 962 777449858
E-mail address: DINT80@bau.edu.jo
ORCID ID: 0000-0003-2351-4883
National Researcher Number: 2335



Education

2004-2009	Doctor of Philosophy , Analytical Chemistry, Jordan of University, Amman, Jordan <i>Study of Environmental pollutants (Dioxins/Furans) in Jordanian oil shale ashes (Spent shale) after direct Combustion at different temperatures using GC-MS.</i>
2002-2004	Master of Science , Physical Chemistry, Mu'tah University, Al-Karak, Jordan <i>Characterization of kaolinite of the Baten El-Ghoul region/south Jordan by infrared spectroscopy</i>
1998-2002	Bachelor of Science , Chemistry, Mu'tah University, Al-Karak, Jordan Academic honors : First in graduating Class 2002 (chemistry), Mu'tah University

Research Experience

2006-2008	Senior Analyst, Pharmaceutical Research Unit /Royal Scientific Society (RSS), Amman – Jordan
2010-2012	postdoctoral researcher, TU, Braunschweig, Germany

Teaching Experience

2009-2012	Lecturer , Al-Balqa Applied University, As-Salt, Jordan
2012-2015	Assistant Professor , Al-Balqa Applied University, As-Salt, Jordan
2015 till now	Associate Professor , Al-Balqa Applied University, As-Salt, Jordan

Recent Publications

1	Ibrahim N. Tarawneh , Ahmad A. Najjar, Fayda F. Salameh, Razan S. Bani Issa, & Reham M. Abu Shmeis. Multi-residue analysis of organochlorine pesticides and carcinogenic polycyclic aromatic hydrocarbons in Jordanian olive oil using gas chromatography-mass spectrometry. <i>Journal of Liquid Chromatography & Related</i>
---	---



- 2 **Technologies, 2020, 1-8**
Ibrahim N. Tarawneh, Ahmad A. Najjar, Razan S. Bani Issa, Fayda F. Salameh & Reham M. Abu Shmeis. Determination of Polycyclic Aromatic Hydrocarbons and α,β -Unsaturated Aldehydes in Frying Oils in Jordan. *Polycyclic Aromatic Compounds, 2020, 1- 14*
- 3 Reham M. Abu-Shmeis & **Ibrahim N. Tarawneh** & Yahya H. Al-qudah & Reem N. Dabaibeh & Mohammad N. Tarawneh. Evaluation of the Removal Efficiency of PCBs from Five Wastewater Treatment Plants in Jordan. *Water Air Soil Pollut, 2020, 231:114*
- 4 Sameeh Al- Sarayreh, Jehad Al-Shuneigat, Mahmoud Al-Qudah and **Ibrahim Al-Tarawneh**. Chemical Composition and Antioxidant Activity of Essential Oil of *Achillea fragrantissima*. *Indian Journal of Natural Sciences, 2020, 10(58), 18001-18007*.
- 5 Jehad Al-Shuneigat, Sameeh Al- Sarayreh, Mahmoud Al-Qudah, Yousef Al-Sarairh and **Ibrahim AlTarawneh**. Chemical Composition and Antioxidant Activity of Essential Oil of *Achillea santolina*. *Indian Journal of Natural Sciences, 2019, 10 (56)*.
- 6 Jehad Al-Shuneigat, Sameeh Al- Sarayreh, Mahmoud Alqudah, Yousef Al-Sarairh, **Ibrahim Al-Tarawneh**. Chemical Composition and Antioxidant Activity of Essential Oil of *Achillea biebersteinii*. *International Journal and Biology, Pharmacy and Allied Science, 2019, 10(8): 2002-2014*.
- 7 **Ibrahim N. Tarawneh**, Mahmoud A. Alawi, Rima H. Sapah and Reham M. Abu Shmeis. Pesticide Residues in Commonly Consumed Fruits and Vegetables in Jordan and Their Associated Health Risk Assessments. *Jordan Journal of Chemistry, 2019, 14 (2):69-80*
- 8 Mahmoud A Alawi, Rana A Abdullah, **Ibrahim Tarawneh**. Determination of polycyclic aromatic hydrocarbons (PAHs) in carbon black-containing plastic consumer products from the Jordanian market. *Toxin Reviews, 2018, 37(4):269–277*.
- 9 Mahmoud A Alawi, **Ibrahim N Tarawneh**, Zahra' Ghanem. *Removal efficiency of PAH's from five wastewater treatment plants in Jordan*. *Toxin Reviews, 2018, 37 (2): 128-137*.
- 10 Mahmoud A. Al-Qudaha , Noor K. Otooma , Hala I. Al-Jaberb , Hasan I. Tashtousha , Abdulraouf S. Mayyasc , **Ibrahim N. Trawenh**, Jamil N. Lahhame and Sultan T. Abu Orabi. Chemical Composition of Essential Oil of Jordanian *Scabiosa prolifera* at Different Flowering Stages. *Jordan Journal of Chemistry, 2016, 11(2) 99-107*.
- 11 **Ibrahim Al-Tarawneh**. Levels of some Persistent Organic Pollutants (PCBs and PAHs) in Jordanian oil shale ash after direct heating at different temperature ranges. *Polycyclic Aromatic Compounds, 2015, 35:5, 401-415*.
- 12 Mais Al-Natsheh, Mahmoud Alawi, Manar Fayyad and **Ibrahim Tarawneh**, Simultaneous GC–MS determination of eight phthalates in total and migrated portions of plasticized polymeric toys and childcare articles. *Journal of Chromatography B, 2015, 985, 103-109*.
- 13 Mahmoud Alawi, Marwa Alawi, **Ibrahim Tarawneh**. Levels of Polycyclic Aromatic Hydrocarbon (PAHs) in Jordanian oil shale. *European International Journal of Science and Technology, 2015, 4(1): 70-82*.
- 14 Eman Albataineh, Mohammed Al-Sbou, Sameeh Al-Sarayreh, **Ibrahim Al-Tarawneh**, Nedal Alnawaiseh. Levels of pro-Inflammatory Mediators CRP, IL-1 β and IL-6 in Alkaptonuria Patients. *Journal of Biology and Life Science, 2015, 6(1):37-46*.
- 15 Riyadh Muhaidat, Mahmoud Al-Qudah, Omar Samir Jacob H. Jacob, Emad Hussein, **Ibrahim Al-Tarawneh**, Emad Bsoul, Sultan T Abu Orabi.



16	<p><i>Phytochemical investigation and in vitro antibacterial activity of essential oils from Cleome droserifolia (Forssk.) Delile and C. trinervia Fresen. (Cleomaceae). South African Journal of Botany, 2015, 99: 21-28.</i></p> <p>Ibrahim Al-Tarawneh, Mohammed El-Dosoky, Mahmoud Alawi, Mufeed Batarseh Arum Widyasari, Robert Kreuzig, Müfit Bahadır. <i>Studies on Human Pharmaceuticals in Jordanian Wastewater Samples. Clean – Soil, Air, Water, 2015, 43 (4): 463-620</i></p>
17	<p>Jehad M Al-Shuneigat, Ibrahim N Al-Tarawneh, Mahmoud A Al-Qudah, Sameeh A Al- Sarayreh. Yousef M Al-Saraireh and Khaled Al-Shurafa. The Chemical Composition and Antibacterial Properties of Ruta graveolens L. Essential Oil Grown in Northern Jordan. <i>Jordan Journal of Biological Sciences (JJBS), 2015, 8 (2): 139-143.</i></p>
18	<p>J M Al-Shuneigat , I N Al-Tarawneh , M A Al-Qudah, Y M Al-Saraireh, S A Al-Sarayreh. GC/MS analysis and In vitro antibacterial activity of the essential oil isolated from leaf of Phlomis brachydon growing in Jordan. <i>Indian Journal of Natural Sciences, 2015, 5(29) 4063- 4069.</i></p>
19	<p>Sameeh Al- Sarayreh, Arwa Rawashdeh, Ibrahim Al-Tarawneh, and Mahmoud Al-Qudah. Phlomis brachydon Essential Oil Against Bacterial Biofilm. <i>Jordan Journal of Biological Sciences, 2015, 8(5), 315 – 318.</i></p>

Conferences/ Workshops/ Seminars:

2010	Environmental Modeling, TU Braunschweig University, Germany
2011-2012	Postdoctoral, TU Braunschweig University, Germany

Supervised Doctoral & Master Theses:

	Master
2018-2020	Shaher Al- Fugha, Studying Some of Valsartan Carcinogenic Synthetic Impurities Resulted from Different Routes of Synthesis”, Al-Balqa Applied University
2018-2020	Hour Al-Majali, Removal Efficiency of Phenolic Compounds from Olive Oil Mill Wastewater in Jordan Using Iron Oxide Nanoparticles Sintered in Kaolinite, Al-Balqa Applied University
2017-2019	Faydah Sallamah, Thesis title: “Determination of most toxic organochlorine pesticides (OCP’s) and carcinogenic polycyclic aromatic hydrocarbons (PAH’s) in olive oil from different sources in Jordan, Al-Balqa Applied University
2017-2019	Razan Bani-Esa, Analysis of carcinogenic polycyclic aromatic hydrocarbons (PAH’s) and α,β - unsaturated aldehyde in edible oils of different nature after heating at frying temperature, Al-Balqa Applied University
2014	Rima Sabah, Study of common Jordanian pesticides in fruits and vegetables, Al-Balqa Applied University
2014	Zahra’a Ganem, Study removal efficiency for persistence organic



compounds and heavy metals on Jordanian wastewater treatment plants,
Jordan University

Research Grants

<i>2017-2019</i>	Determination of most toxic organochlorine pesticides (OCP's) and carcinogenic polycyclic aromatic hydrocarbons (PAH's) in olive oil from different sources in Jordan, Deanship of Scientific Research- Al-Balqa Applied University, 4000 JD
<i>2017-2019</i>	Analysis of carcinogenic polycyclic aromatic hydrocarbons (PAH's) and alpha , beta unsaturated aldehyde in edible oils of different nature after heating at frying temperature, Deanship of Scientific Research- Al-Balqa Applied University, 4000 JD
<i>2014-2015</i>	Study of common Jordanian pesticides in fruits and vegetables, jordan scientific research support fund, 1500 JD
<i>2011-2013</i>	Organic Pollutants and Pharmaceuticals Residue in Some Dams in Jordan, Jordan Scientific Research support Fund, 69.000JD
<i>2010-2012</i>	Studies on Human Pharmaceuticals in Jordanian Wastewater Samples, German Federal Ministry for Economic Cooperation and Development (BMZ) and German Academic Exchange Services (DAAD), 20.000 JD
