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Education

2012-2013	Postdoctoral fellow , Department of Environmental Engineering, YILDIZ TECHNICAL UNIVERSITY-TURKEY
2008	Doctor of Philosophy , Chemistry, The University of Jordan, Amman, Jordan <i>Disinfection Efficiency and Formation of Disinfection Byproducts in Drinking Water from Different Sources Treated with Chlorine Dioxide.</i> <ul style="list-style-type: none">• Comprehensive/preliminary exam fields
2002	Master of Science , Chemistry, University of Jordan, Amman, Jordan <i>Investigation of Enantioselectivity of some plain and modified electrodes.</i>
1996	Bachelor of Science , Chemistry, Faculty of Science, University of Jordan, Amman, Jordan.

Work Experience

2020	Assistant Professor , Department of Chemistry, Faculty of Science, Al-Balqa Applied University, Al-Salt, Jordan.
2017-2020	Lecturer , Department of Chemistry, Faculty of Science, Al-Balqa Applied University, Al-Salt, Jordan.
2015-2017	Assistant Professor (Head of Department) , Department of Chemistry, Faculty of Science, Isra University, Amman, Jordan.
2008-2015	Assistant Professor (Head of Department) , Faculty of Pharmacy, Isra University, Amman, Jordan.

Recent Publications

- 1 Tarawneh, I. N., Najjar, A. A., Bani Issa, R. S., Salameh, F. F., & **Abu Shmeis, R. M.** 2020. Determination of Polycyclic Aromatic Hydrocarbons and α , β -Unsaturated Aldehydes in Frying Oils in Jordan. *Polycyclic Aromatic Compounds*, 1-16. doi.org/10.1080/10406638.2020.1753219
- 2 **Abu-Shmeis, R. M.**, Tarawneh, I. N., Al-qudah, Y. H., Dabaibeh, R. N., & Tarawneh, M. N. (2020). Evaluation of the Removal Efficiency of PCBs from Five Wastewater Treatment Plants in Jordan. *Water, Air, & Soil Pollution*, 231(3), 1-14.
- 3 Tarawneh, I. N., Alawi, M. A., Sapah, R. H., & **Reham M. Abu Shmeis.** 2019. Pesticide Residues in Commonly Consumed Fruits and Vegetables in Jordan and Their Associated Health Risk Assessments. *Jordan Journal of*



	<i>Chemistry</i> . 14, (2), 69-80.
4	Reham Abu Shmeis , Chapter of “ <i>Water Chemistry and Microbiology</i> ” in a book entitled “ <i>Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Comprehensive Analytical Chemistry. Volume 81. 1st Edition</i> ” Publisher Elsevier (1 st June 2018).
5	Jamal Jilani, Qais Abu AlAsal, Areej Assaf, Reham Abu Shmeis . Synthesis, characterization and biological evaluation of some 2-arylbenzoxazole acetic acid derivatives as potential anticancer agents. <i>In Preparation</i>
6	Jamal M. Alyoussed Alkrad, Reham Abu Shmeis , Iyad D. Alshwwabkeh, Mohammad Amin Mohammad. 2017 . Investigation of the potential application of sodium bentonite as an excipient in formulation of sustained release tablets. <i>Asian Journal of Pharmaceutical Sciences</i> . 12, 259–265.
7	Alaa Hayallah, Reham Abu Shmeis , Ahmad Talhoni. 2015 . Synthesis of some novel 1,3- diethyl-8-disubstituted xantines and 1,3,6-trisubstituted-1H-thiazolo[2,3-f] xantines as potential anti-asthmatic and antiinflammatory agents. <i>Bulletin of Pharmaceutical Sciences Assiut University</i> . Vol. 38, 31-46.
8	Reham Abu Shmeis , Iyad D. Alshwwabkeh, Jamal M. Alyoussed Alkrad, Mohammad Amin Mohammad. 2015 . Surface free energy data to predict the surface modification ability of force control agents. <i>Jordan Journal of Pharmaceutical Sciences</i> . Vol 8, No. 2, 141 – 152.
9	Mohammad Hourani, Reham Abu Shmeis . 2014 . Investigation of Adsorption Enetioselectivity of Faceted Polycrystalline Platinum and Gold Electrodes. <i>Arabian Journal of Science and Engineering</i> . Vol. 39, issue 1, 123-129.
10	Mansor zarrabi, Ebrahim Mohammadi Kalhori, Kaan Yetilmezsoy, Nihan Uygur, Reham M. Abu Shmeis . 2013 . Modeling of Adsorption of Toxic Chromium on Natural and Surface Modified Lightweight Expanded Clay Aggregate (LECA). <i>Journal of Applied Surface Science</i> . Vol. 287, 428-442.
11	Reham Mahmoud Abu Shmeis , Manar Fayyad, Mahmoud Alawi. 2010 . Disinfection Efficiency and Formation of Disinfection Byproducts in Jordanian Drinking Water Treated with Chlorine dioxide. <i>Jordan Journal of Chemistry</i> . vol. 5 no. 1, 85-99.
12	Reham Mahmoud Abu Shmeis , Manar Fayyad, Mahmoud Alawi. 2009 . Predicting the Formation of Trihalomethanes and Haloacetic Acids in Water Treated with Chlorine Dioxide. <i>Journal of Water Science and Technology</i> . Volume 9 No 4, 449–458.
13	Reham Mahmoud Abu Shmeis . 2016 “Laboratory Manual for Practical Analytical Chemistry and Instrumental Analysis”.

Conferences/ Workshops/ Seminars:

2019	Workshop on “Blended Learning”, learning and Teaching Technology Centre, Al Balqa Applied University. July 2019.
2016	Workshop on " Introduction to solid Waste Management" organized by USAID, ISWA and Jordan Green Building Council, Amman- Jordan September 2016
2015	Workshop on Harmonizing the Assessment Process of Generic Dossier and Improving the Quality of Assessment, Organized by JFDA and USAID, Amman – Jordan, August 2015.
2013	Workshop on Wastewater treatment and reuse, organized by Exceed- DAAD,



	Konya - Turkey, June 2-7, 2013.
2013	Regional Workshop on Sustainable Management of Hydrological Systems in Arid and Semi-Arid Regions, organized by Exceed- DAAD, May 11 – 15, 2013 in Karak/Amman, Jordan
2012	Workshop on “Water losses Management in Water Supply Systems”, organized by Exceed- DAAD, Antalya- Turkey, September 2012.
2011	Training on LC/MS MS and Forensic Analysis at the Forensic science laboratory Department-Public security directorate, May 2011.
2010	Training workshop on scientific writing, 2010.
2008	Training workshop on "Developing the Professional Skills for the Academic Staff", Faculty of Educational Sciences, Isra University, Amman- Jordan, 9th October, 2008.
2003	Good Laboratory Practice for Analytical Laboratories from Newland Gxp Consultancy held in Royal Scientific Society Amman-Jordan, 2003.
2003	Good Laboratory Practice for Study directors from Newland Gxp Consultancy held in Royal Scientific Society Amman-Jordan, 2003.
	Conferences
2019	The 16th Jordanian Chemistry Conference JCC16th (Five Decades of Chemistry in Jordan: Challenges and Accomplishments), Amman- Jordan, October 2019.
2018	MEDRC water research forum, integrated, decentralized, wastewater management for resource recovery in rural and peri-urban areas. Amman-Jordan, May 2018.
2017	International Conference / Humboldt Kolleg "Jordanian Life Sciences for Sustainable Development". Amman- Jordan, May 2017.
2016	The 14 th SESAME Users' Meeting, Amman- Jordan, December 2016.
2016	Seventh Jordanian International Conference of Chemistry, Irbid- Jordan, April 2016.
2015	2 nd Erasmus Plus Conference, Amman – Jordan, November 2015.
2015	Revising Jordanians Brain Drain Conference, Amman – Jordan, August 2015.
2015	International Conference on Advanced Materials, Irbid- Jordan, April 2015.
2012	The International conference of young chemist, Amman-Jordan, April 2012.
2011	The dialogue between industry and academia Conference, Amman-Jordan, July 2011.
2010	The 11 th Eurasia conference on chemical sciences, Dead Sea-Jordan, October 2010. Poster Presentation.
2010	The first Arabic meeting for strategies development in the field of water resources. Cairo University- June 2010- Lecture.
2010	10 th Jordanian Chemical Conference- University of Science and Technology-Jordan, May 2010- Poster presentation.
2009	The 14 th Jordanian Scientific day- Prince Sumaya University- May 2009- Lecture.
2008	Nanostructured Advanced Materials- University of Jordan- 10-13 November 2008.



2008	8 th Jordanian Chemical Conference - Petra University-Jordan, 2008- Poster presentation.
2005	Chemistry and Industry Conference - University of Jordan- 2005, Poster.

Supervised Doctoral & Master Theses:

	Master
2018	- MSc in chemistry – Hoor Majali, 2018. Thesis title: "Removal Efficiency of Phenolic Compounds from Olive Oil Mill Wastewater in Jordan Using Iron Oxide Nanoparticles Sintered in Kaolinite".
