



Mohammad Barghouthi

Lecturer

Personal Data

Nationality | Jordanian

Date of Birth | February, 03, 1971

Department | Environmental Engineering Department

Official IAU Email | mhbarghouthi@iau.edu.sa

Language Proficiency

Language	Read	Write	Speak
Arabic	Native	Native	Native
English	Excellent	Very good	Very good
Turkish	Very good	Very good	Very good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
Sep. 1997	M.Sc. Analytical Chemistry	Middle East Technical University	06800, Cankaya Ankara, Turkey
January, 1995	B. Sc. Chemistry		

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Nil
Master	Applicability of the Standard Additions Method
Fellowship	Nil

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Lecturer	IAU	Dammam	Saudi Arabia	July, 22, 2015
Co- founder	Adveranda.com	Montreal	Canada	November, 2009
Business Development Manager	Intermed-Pal	Ramallah	Palestine	September, 2005
Chief Chemist	Royal Scientific Society	Amman	Jordan	Jan. 2003 – Mar. 2005
Researcher				Apr. 1998 – Sep. 2000
Teaching Assistant	Bilkent University	Ankara	Turkiye	Sept. 2000 – Feb.2001



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Academic Committee member		2015-2016

Scientific Achievements

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Mohammad Barghouthi, O. Yavuz Ataman	An Approach for Accurate Standard Additions in Hydride Generation.	"Second Mediterranean Basin Conference on Analytical Chemistry ", II , (1997), p.PII-40 .
2	Ismail Anil, Omar Alagha , Nawaf I. Blaisi, Ihab Abdelilah Mohamed, Mohammad Hisham Barghouthi, Mohammad Saood Manzar	Source Identification of Episodic Rain Pollutants by New Approach: Combining Satellite Observations and Backward Air Mass Trajectories	Aerosol and Air Quality Research DOI: 10.4209/aaqr.2019.04.0187
3	Norah Al-Amri , Huseyin Tombuloglu , Yassine Slimani , Sultan Akhtar , Mohammad Barghouthi , Munirah Almessiere, Thamer Alshammari , Abdulhadi Baykal , Hussain Sabit , Ismail Ercan , Sezen Ozcelik	Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (<i>Triticum aestivum</i> L.)	Ecotoxicology and Environmental Safety 194 (2020) 110377
4	Emre Cevik , Huseyin Tombuloglu , Ismail Anil, Mehmet Senel, Hussein Sabit, Sayed AbdulAzeez, J Francis Borgio, Mohammad Barghouthi	Direct electricity production from Microalgae <i>Choricystis</i> sp. and investigation of the boron to enhance the electrogenic activity	International Journal of Hydrogen Energy Volume 45, Issue 19, 3 April 2020, Pages 11330-11340
5	Huseyin Tombuloglu, Yassine Slimani, Thamer Marhoon AlShammari, Mohammad Baghouthi, Mehmet Ozdemir, Guzin Tombuloglu, Sultan Akhtar, Hussain Sabit, Khalid Rehman Hakeem, Munirah Almessiere, Ismail Ercan, Abdulhadi Baykal	Uptake, translocation, and physiological effects of hematite (α -Fe ₂ O ₃) nanoparticles in barley (<i>Hordeum vulgare</i> L.)	Environmental Pollution Volume 266, Part 1, November 2020, 115391



6	Omar Alagha, Nouredine Ouerfelli, Hafedh Kochkar, Munirah A. Almessiere, Yassine Slimani, Ayyar Manikandan, Abdulhadi Baykal, Ahmed Mostafa, Mukarram Zubair, and Mohammad H. Barghouthi	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (Mn _{0.5} Zn _{0.5})[Cd _x Fe _{2-x}]O ₄ (x ≤ 0.05) Nanospinel Ferrites	Nano Materials 2021 DOI: 10.3390/nano11040970 URL: https://www.mdpi.com/2079-4991/11/4/970
7	Yaman, C.; Anil, I.; Alagha, O.; Blaisi, N.I.; Yaman, A.B.; Qureshi, A.; Cevik, E.; Rehman, S.; Gunday, S.T.; Barghouthi, M	Toluene Bioremediation by Using Geotextile-Layered Permeable Reactive Barriers (PRBs)	Processes 2021, 9, 906. https://doi.org/10.3390/pr9060906

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Mohammad Barghouthi, O. Yavuz Ataman	Applicability of the Standard Additions Method	September, 1997
	Prof. Omer Aga, Dr. Ismail Anil, Dr. Cevat Yaman, Mohammad Barghouthi	Source Identification of Episodic Rain Pollutants by New Approach: Combining Satellite Observations and Backward Air Mass Trajectories	2020
	Dr. Huseyin Tombuloglu, Prof. Abdulhadi Baykal, Prof. Omer Aga, Dr. Ismail Anil	Effect of magnetic nanospinel ferrites on the growth and development of Saudi tomato and pumpkin	2020

Current Researches

#	Research Title	Name of Investigator(s)
1	Laboratory Scale In-Situ Petroleum Hydrocarbon Bioremediation by using Geotextile filter, Bacteria and Nutrients	Dr. Cevat Yaman, Prof. Omer Aga, Dr. Ismail Anil
2	Pilot Scale Bio-filter: Control Odor and Green House Gases from Landfill Gas Emissions	Prof. Omer Aga, Dr. Ismail Anil, Dr. Cevat Yaman,
3	Air Quality and Polycyclic Aromatic Hydrocarbons over Dammam Atmosphere: Quantification, Source Apportionment, Transport Modeling, and Health Risk Assessment	Prof. Omer Aga, Dr. Ismail Anil, Dr. Cevat Yaman,
4	Development of innovative sustainable tools for infrastructure planning and efficient management of urban wastewater systems in the Kingdom of Saudi Arabia "10-WAT-1336-46"	Prof. Omer Aga, Dr. Ismail Anil, Dr. Cevat Yaman,

Membership of Scientific and Professional Societies and Organizations

- Jordanian Chemical Society



Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Experienced in Analytical Lab Instruments, Elemental And Molecular
2	Microsoft Office

6	September, 2019	Present	Continuous Education & Career Development	ENVEN
7	September, 2019	Present	Community Service	ENVEN
8	September, 2015	Present	Lab Committee	ENVEN

Last Update

January, 25, 2023