

Curriculum Vitae

Personnel Details

Full name : Ashraf Omar Khashroum
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Academic Qualifications

Degree & Field	University	Graduation year
PhD in Environment and Soil Science	National Academy of Science of the Kyrgyz Republic/ Biology and Soil Institute Dissertation title: “Eco-microbial and Physiochemical Description of Soils in Issy kKul Area”, Kyrgyz Republic	2005
Bachelor in plant production and protection	University of Tikrit , Iraq	1997
Bachelor in Pharmacological Sciences	Jadara University, Jordan	2022/2023

Working place:

Time	Academic rank	Department /Faculty
28/ 1/ 2026 till now	Professor	Department of Plant Production and Protection / Faculty of Agriculture/ University of Jerash, Jerash, Jordan.
Ap , 2017- Dec, 2025	Associate Professor	Department of Plant Production and Protection / Faculty of Agriculture/ University of Jerash, Jerash, Jordan.
Oct, 2009- March, 2016	Assistant Professor	Department of Plant Production and Protection / Faculty of Agriculture/ University of Jerash, Jerash, Jordan.
Sept,2007- Sept,2008	Part-time Assistant Professor	Department of Plant Production and Protection / Faculty of Agriculture/ University of Jerash, Jerash, Jordan.

Taught courses (Graduated and Post Graduated)

1. Principles of soil science	2. Forestry science
3. Environment and agriculture	4. Principles of plant production.
5. Irrigation system and techniques	6. Organic Agriculture
7. Soil fertility and fertilizers	8. Field training in plant production and protection
9. Beekeeping	

Faculty Development

Global warming and its effects on agriculture	April, 2012	Planner and Participant
Agricultural and food security	2011	Participant

Designing of irrigation systems	2010	Participant
Supervision of student's graduation projects		
Supervision of the Soil and Irrigation lab		

Awards Winning Projects

<i>Project</i>	<i>Period</i>	<i>Position</i>
King Abdullah II Fund for Development (KAJD) Award (Study of using hydroponics in Jordan Valley) project#1	2017-2018	Leader and Planner
King Abdullah II Fund for Development (KAJD) Award (Fish farming techniques in integrated plant aquaculture) project#2	2018 -2020	Leader and Planner

Publications

1. Climate change effect on the characteristics of raw domestic wastewater, sedimentation pond water, and treated wastewater. Tikrit Journal for Agricultural Sciences (2024) 24(2): 246–259. (Scopus)
2. Levels of expression of Hsp70 and iNOS and effect of Artemisia Sieberi (A. herba-alba) on activity of Hypothalamic-Pituitary-Thyroid (HPT) Axis in diabetic rats. Biomedical and Pharmacology Journal, Vol.17, No. 2, pp. 999–1008 (2024) (Scopus)
3. Shoiab, A. A., Alsarhan, A., & Khashroum, A. O. (2023). Effect of pharmacist counseling on patient medication compliance and Helicobacter pylori eradication among Jordanian outpatients. Arquivos de Gastroenterologia, 60(1), 74–83. <https://doi.org/10.1590/S0004-2803.202301000-10>
4. Ashraf Omar Khashroum (2022). Impact of climate change and dry-salting preservation on histamine levels in three marine fish species. Jordan Journal of Agricultural Sciences, 18(1). <https://doi.org/10.35516/jjas.v18i1.104> (Scopus)
5. Ali Alsarhan, Aiman A. Shoiab, Ahmed Gardouh, Alia Khwaldeh, & Ashraf O. Khashroum (2022). Comparison between ibuprofen nanoparticles and suspension ibuprofen regarding GIT side effects. Latin American Journal of Pharmacy, 41(11): 2227–2230
6. Evaluation of prevalence of fatigue among Jordanian university students and its relation to COVID-19 quarantine. Open Access Macedonian Journal of Medical Sciences (2022)
7. Ali Alsarhan, Naznin Sultana, Lee Suan Chua, Ashraf O. Khashroum, Mohammad Hailat, Wael Abu Dayyih, Lina Nasser Al-Tamimi, Zainab Zakaraya, Aseel Aburumman, Riad M. Awad (2022). Antidiabetic effect of aqueous extract of Orthosiphon Stamineus Benth on alloxan-induced diabetic rats. Sapporo Medical Journal (in publishing)
8. Fakhar Islam, Farhan Saeed, Muhammad Afzaal, Aftab Ahmad, Muzzamal Hussain, Muhammad Armghan Khalid, Shamaail A. Saewan, and Ashraf O. Khashroum (2022). Applications of green technologies-based approaches for food safety enhancement: A comprehensive review. Food Sci Nutr. DOI: 10.1002/fsn3.2915 (Scopus/Q1)
9. Farhan Saeed, Muhammad Afzaal, Yasir Abbas Shah, Mujahid Hassan Khan, Muzzamal Hussain, Ali Ikram, Huda Ateeq, Muhammad Noman, Shamaail A. Saewan, and Ashraf O. Khashroum

- (2022). Miso: A traditional nutritious & health-endorsing fermented product. *Food Sci Nutr*. DOI: 10.1002/fsn3.3029 (Scopus/Q1)
10. Isbah Khalid, Farhan Saeed, Muhammad Afzaal, Bushra Niaz, Huda Ateeq, Muzzamal Hussain, Amara Rasheed, Entessar Al Jbawi, and Ashraf O. Khashroum. Isolation and characterization of arabinoxylans from wheat and maize bran in relation to their end-use perspectives. *International Journal of Food Properties* (in publishing) (Scopus/Q1)
 11. Shamaail A. Saewan, Saher S. George, Ashraf O. Khashroum, & Hani J. Hamad (2020). Environmental pollution and its effect on quality of the bottled and non-bottled drinking water. *Arab Journal of Food and Nutrition*, Vol. 47, pp. 21–34
 12. Ashraf O. Khashroum (2020). Effect of addition of olive mill wastewater (OMW) on wheat and physical and chemical properties of soil in the area of Jerash University. *BEPLS*, 9(7): 46–52
 13. Ahmad A. Obeidat, Hani J. Hamad, Shamaail A. Saewan, & Ashraf O. Khashroum (2019). Iron bioavailability, deficiency and its consequences in infants and children: State of the art. *BEPLS*, 8(8): 129–138
 14. Ashraf O. Khashroum, Shamaail A. Saewan, Saher S. George, & Hani J. Hamad (2019). Chemical and microbial environmental contaminants in fruits and vegetables and their effects on health: A mini review. *IOSR-JESTFT*, 13(4): 70–76
 15. Mohammad H. Brake, Hassan R. Hamasha, Hussein M. Migdadi, Ashraf O. Khashroum, Moath Al-Gharaibeh, Muieen M. Qaryouti, Mahmoud T. Al-Khatib (2017). Influence of storage temperature and duration of tomato leaf samples on proline content. *European Scientific Journal*, 13(6)
 16. Ashraf Khashroum, Mohammed Ibrahim, Ebraheem Al-Tahat, Khaled Alqadi, Saleh A-Shdiefat, Mohammad Al-Alawneh (2016). Probable accumulation of heavy metals in some long-term irrigated soils with Zarqa River water in Jordan. *Journal of Natural Sciences Research*
 17. Ashraf Khashroum (2016). The impact of land use and land cover changes on the underground water quality of the Amman, Zarqa, and Balqa regions in Jordan. *American-Eurasian J. Agric. & Environ. Sci.*
 18. Ashraf Khashroum (2016). Effect of different levels of saline water on tomato production under saline soil condition. *Journal of Biology, Agriculture and Healthcare*
 19. Hani Hamad, Ahmad Gharaibeh, Motasem Al-Masad, Ahmad Al-Momani, Wasfy Hamad, & Ashraf Khashroum (2016). Comparison between the effects of different sources of dietary fiber on blood lipid profile in rats. *Journal of Biology, Agriculture and Healthcare*
 20. Hani Hamad, Ashraf Khashroum, Bassam Aldeseit (2016). Nutritional and health outcomes of household food insecurity (HFIS). *Journal of Biology, Agriculture and Healthcare*
 21. Hani Hamad & Ashraf Khashroum (2016). Household food insecurity (HFIS): Definitions, measurements, socio-demographic and economic aspects. *Journal of Natural Sciences Research*
 22. Motasem Al-Masad, Ramadan Al-Shdiefat, & Ashraf Khashroum (2011). The effects of microbial phytase and dietary calcium level on the performance and eggshell quality in laying hens fed marginal phosphorus diets. *Asian Journal of Animal Sciences*, 5: 118–126

23. Khalaf Alhussaen, Emad Hussein, Khalid Al-Batayneh, Mahmoud Al-Khatib, Wesam Al Khateeb, Jacob Jacob, Mohamad Shatnawi, Ashraf Khashroum, & Mohamed Hegazy (2011). Identification and controlling Pythium sp. infecting tomato seedlings cultivated in Jordan Valley using garlic extract. Asian Journal of Plant Pathology, 5(2): 84–92
24. Ashraf Omar Khashroum, B.A. Mamytova (2004). The analysis of classification soils Jordan and its separate area Dead Sea. Agriculture Engineering Association, Jordan, Amman, № 78, pp. 66–67
25. Ashraf Omar Khashroum, D.A. Mamytova (2004). Condition of a level of scrutiny of a problem and natural-agricultural division into districts in territory of Kyrgyzstan. Agriculture Engineering Association, Jordan, Amman, № 78, pp. 67–68

In addition to six published articles (written in Russian, were published during PhD) about ecology in general, pollution, soil-chemistry in different science Journals produced by high scientific science institutes in Kyrgyzstan:

1. Б.А. Мамытова, Хашрум Ашраф Омар. Сохранение и рациональное использование природных ресурсов Иссык-Куля // ТВ материалах научных чтений, посвященных 75-летию академика А.М. Мамытова. - Бишкек. - БГУ. – 2002. - С. 17-28.
2. Б.А. Мамытова, Г.А. Мамытова, Хашрум Ашраф Омар. Влияние эрозии на плодородие почв Иссык-Кульской котловины (биосферной территории "Исык-Көл") // Известия вузов НАН КР - Бишкек, Издательский центр МОК "Технология", 2002 - № 3-4. - С. 75-81.
3. Б.А. Мамытова, Хашрум Ашраф Омар. Почвы "Биосферной территории Иссык-Көл" // Вестник КРСУ. – Бишкек: Издательство КРСУ. 2004. - № 1 – С. 119-122.
4. Хашрум Ашраф Омар. Мертвое море – уникальная биосферная территория Иордании // Вестник КРСУ. – Бишкек: Издательство КРСУ, 2004. - № 1 – С. 123-128.
5. Б.А. Мамытова, Хашрум Ашраф Омар. Биологическая активность земледельческих и своих почв биосферной территории "Исык-Көл" и их плодородие // Известия вузов. – Бишкек, 2004 - № 1. - С. 94-97.
6. Б.А. Мамытова, Хашрум Ашраф Омар. // А.М. Мамытов – основоположник горного почвоведения // Известия НАН КР. 2004, № 3, часть II, Бишкек: «Илим», – 2004. - С. 83-86.

Scientific and Professional Activities

1. The 1st Agricultural Scientific Conference of the Faculty of Agriculture “Agricultural production in the Arab world between reality and ambition”. Held at Faculty of Agriculture, Jerash University, Jerash, Jordan. (24-26/06/2014, Participant).
2. The 6th International Medical Conference of the Jordanian Medical Association, Irbid, Jordan. Assessment of Healthy Dietary Behaviors of School Children and Adolescents in Rural Areas: A Nutritional Survey (22-24/03/2017, Participant).
3. The 8th International Scientific Congress of Irbid Medical Association, 24-26 of April, 2019/ Jordan Medical Association, Irbid, Jordan.
4. The 2nd International Scientific Conference (Food Security and Sustainable Agriculture during Climate Change). 28-30 of April, 2019, Faculty of Agriculture and Science, Jerash University, Jerash, Jordan.
5. The 7th session of the annual Arab Forum for Scientific Research and Sustainable Development". 17-19 December 2019, Organized by The Arab Organization for Education, Culture and Science, Amman, Jordan.
6. The 9th International Scientific Congress of Irbid Medical Association, 25-28 of November, 2020/ Jordan Medical Association, Irbid, Jordan.

Editorial Board membership:

- Editorial Board: Tikrit Journal of Agricultural Sciences (TJAS) University of Tikrit, Iraq

SUPERVISION FOR GRADUATE STUDENTS MSc

- 1. The Effect of Using Biochar and Compost on Different Soil Properties and on Mitigating the Climate Change Impacts: A Case Study of Mafraq Governorate**
- 2. The impact of climate change on water quality and public health Case Study: Zarqa Seal Basin**
- 3. Impact of using fishpond water on properties of irrigated soil and mitigating climate change (case study of Wadi Al-Rayan farms - Northern Jordan Valley)**
- 4. Effect of climate change on soil texture content of (N ·P ·K) after irrigation with fishpond water (Faisal Agricultural Nursery – Jerash Governorate)**
- 5. The effect of the level of family food security on risk factors related to vitamin D deficiency among female secondary school students in Ajloun Governorate**
- 6. Adaptation of Quinoa (*Chenopodium quinoa* Wild Plant) crop to Climate Change under Different Water Regimes and application of Silver Nanoparticles.**
- 7. The "economic and environmental" impact of climate change on the use of organic fertilizers in agricultural crop production in the Jordan Valley. (Deir Alla - Dirar)**
- 8. A Study on the Impact of Changing Weather Patterns on Pollen Foraging Behavior, Development, and Adaptation of Local and Hybrid Honeybee Strains at Maru and Al-Khanasri Stations**

PARTICIPATION IN GRADUATE EXAMINATION COMMITTEES

Member (Internal or External) of MSc Examination Committees:

- 1. MYCORRHIZAL TECHNOLOGY APPLICATION AS A TOOL TO MITIGATE CLIMATE CHANGE-ASSOCIATED DROUGHT AND IMPROVE WHEAT PRODUCTION UNDER ARID AND SEMI-ARID CONDITIONS.**

Omar Shames Al Deen Malkawi // At
The Faculty of Graduate Studies
Jordan University of Science and Technology

- 2. EFFECT OF ZEOLITE ON ALFALFA (*MEDICAGO SATIVA L.*) GROWTH, CHEMICAL COMPOSITION AND HEAVY METALS ABSORPTION UNDER IRRIGATION WITH TREATED WASTEWATER**

Sajeda Al-Twaiq // At The Faculty of Graduate Studies
Jordan University of Science and Technology

- 3. THE EFFECT OF BIOCHAR AND COMPOST AS SOIL AMENDMENTS IN COMBINATION WITH POULTRY MANURE ON GROWTH, YIELD AND CHEMICAL COMPOSITION OF LETTUCE (*Lactuca sativa*)**

Laith Mohamad Alomari // The Faculty of Graduate Studies
Jordan University of Science and Technology