

Curriculum Vitae

Personal Information

Full Name: Osama Abdul-Rahman Owaid
Haidan Al-Khazraji

Gender: Male

Date of Birth: 1984

Nationality: Iraqi

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Professional Summary

Dr. Osama Abdul Rahman Owaid Al-Khazraji is a distinguished academic and specialist in microbiology and biotechnology, with a proven track record of achievements in scientific research, teaching, and academic supervision. He possesses extensive experience in designing and implementing laboratory and field experiments and publishing research findings in reputable scientific journals. Dr. Al-Khazraji has actively participated in national and international research projects focused on improving soil health and promoting the sustainability of agricultural systems through microbial interactions and the development of biofertilizers.

Dr. Al-Khazraji began his professional career in leading agricultural companies before joining the Iraqi Ministry of Agriculture – Planning and Follow-up Department, where he held administrative and research positions contributing to the development of agricultural policies and supporting national programs for agricultural sector advancement.

In academia, he served as a faculty member at the College of Medicine, University of Sumer, in the Department of Anatomy, Histology, and Embryology, where he taught advanced courses in medical and applied microbiology and trained students in modern laboratory techniques. He later moved to Al-Mustansiriyah University – College of Science – Department of Microbiology, where he continued teaching specialized courses in applied microbiology and microbial-plant interactions, as well as supervising graduate students and overseeing graduation projects.

Dr. Al-Khazraji has participated in numerous local and international scientific conferences and seminars and has delivered training workshops on molecular microbial analysis and sustainable agricultural practices. He has served on scientific and advisory committees and participated as a peer reviewer for reputable scientific journals. Driven by a continual pursuit of scientific advancement and knowledge exchange, Dr. Al-Khazraji is committed to fostering innovation in the fields of microbiology to benefit both the academic and agricultural communities.



Academic Qualifications

2016-2020

Ph.D. Candidate – Microbiology

Dissertation Title: “The Role of Bacterial inoculum, Organic Fertilization and water stress in some soil physical properties, Growth and Yield of Maize (*Zea mays L.*)”

College of Agriculture, University of Anbar.

2009–2011

M.Sc. Student – Soil Fertility and Plant Nutrition

Thesis Title: “Effect of Different Levels of Potassium Fertilizer Addition to Soil and Foliar Iron Application on the Growth and Yield of Maize (*Zea mays L.*)”

College of Agriculture, University of Anbar.

2002–2009

Undergraduate Student – Soil Science and Water Resources (B.Sc.)

College of Agriculture, University of Anbar.



Professional Positions and Career Progression

- **Member, Department Council of Microbiology**

College of Science, Al-Mustansiriyah University | 2025 – Present

Participating in departmental council meetings, contributing to academic and administrative decision-making, and supporting the development of curricula and scientific laboratory programs.

- **Secretary of the College Council**

College of Medicine, University of Sumer | 2023 – 2025

Responsible for organizing and coordinating council meetings, preparing agendas and minutes, and facilitating communication among faculty leadership.

- **Scientific Branch Coordinator**

College of Medicine, University of Sumer | 2022 – 2025

Oversight of the academic and administrative affairs of the scientific branch, ensuring curriculum alignment and supporting faculty members in scientific activities.

- **Head of the Scientific Unit**

College of Medicine, University of Sumer | 2022 – 2025

Managing scientific research initiatives, supervising laboratory operations, and supporting faculty research development.

- **Quality Assurance Liaison Member**

College of Medicine, University of Sumer | 2023 – 2025

Contributing to the implementation and monitoring of quality assurance standards to promote academic excellence and continuous improvement.

- **Head, Psychological Counseling and Educational Guidance Unit**

College of Medicine, University of Sumer | 2022 – 2023

Led initiatives for student mental health, academic advising, and educational guidance programs.

- **Division Head, Planning Department**

Ministry of Agriculture | 2013 – 2016

Directed division operations, participated in strategic planning, and contributed to agricultural development projects.

- **Assistant Project Manager, Chemical Laboratory Establishment Project**

Ministry of Agriculture | 2013 – 2016

Assisted in the oversight and implementation of laboratory construction and development in agricultural directorates.

- **Assistant Project Manager, Inter-Ministerial Cooperation Initiatives**

Ministry of Agriculture | 2013 – 2016

Supported collaborative projects between the Ministry of Agriculture and other governmental institutions to enhance agricultural sector integration and resource sharing.

Scientific Research

- Osama Abdul-Rahman Owied and Falah Abdul Hassan Hussein. Optimizing composting and enhancing *Agaricus bisporus* yield through thermotolerant bacterial inoculation. *Int. J. Adv. Biochem. Res.* 2025;9(1):637-646. DOI: 10.33545/26174693.2025.v9.i1h.3580
- Hussein, Falah Abdul Hassan, And Osama Abdul-Rahman Owied. "Efficiency Evaluation of Ordinary and Nanoscale Extracts of *Agaricus Bisporus*. On Inhibition Mycelial Growth and Aflatoxin Production of *Aspergillus Flavus* in Maize Grain." *Journal Of Stored Products Research* 108 (2024): 102374.
- Hussein, Falah, Osama Abdul-Rahman Owied Al-Kzraji, And Luay Sahib Radhi. "Evaluation Of Magnesium Oxide Nanoparticles Toxicity Against *Stachybotrys Chartarum* from Indoor Buildings in Medicine and Science Colleges University of Sumer." *Sumer Journal for Pure Science* (2024).
- Owied, O. A. R. (2025). Effects of Phosphate Fertilizers Management and Soil Texture on Some Growth Indicators and Economic Benefit of Sorghum Crop (*Sorghum bicolor* L.). *Central Asian Journal of Medical and Natural Science*, 6(1), 421-433.
- Al-Khazrji, Osama Abdul Rahman, Bassam Aah Alkhateb, And Suad Abduljabbar Alsaedi. "Role Of Bacterial Inoculant and Organic Matter in Improving Some Soil Physical Properties and Water Use Efficiency of Maize Under Drought Conditions In

Iraq." Iop Conference Series: Earth and Environmental Science. Vol. 1225. No. 1. Iop Publishing, 2023.

- Owied, O. A. R., Et Al. Plants Anatomical Engineered by Nanomaterials. Revis Bionatura 2023; 8 (2) 44 [Online]. 2021.
- Al-Khazrj, O. A. R., S. A. Al-Saedi, And B. A. A. H. Alkhateb. "Leaf Area, Proline and Relative Water Content in The Leaves of Maize Plant Under the Effect of Soil Bacteria, Organic Matter and Water Stress." (2020).
- Radhi, Luay Sahib, And Osama Abdul Rahman Owied Al Kzraji. "Optimizing Gibberellic Acid and Phosphate for Apple Growth." Central Asian Journal of Medical and Natural Science 5.3 (2024): 220-225.
- Abdulqader, Ammar Mamdooh, Wasan Zeki Mohammed, And Osama Abdul-Rahman Owied Al-Kzraji. "The Impact of Date Palm Cultivation and Production Strategy on Achieving Sustainable Development." International Journal of Agricultural & Statistical Sciences 19 (2023).
- Abdulqader, Ammar Mamdooh, Osama Abdul-Rahman Owied, And Sara Mohammed Alasady. "The Impact Of E-Marketing Services for Agricultural Companies in Achieving Customer Satisfaction." International Journal of Agricultural and Statistical Sciences 17 (2021): 2245-2252.
- Abdulqader, Ammar Mamdooh, Sara Mohammed Alasady, And Osama Abdul-Rahman Owied. "The Role of The Stock Market on Agricultural Sector (Iraqi Dataset of Period 2013-2018 Case Study)." Rigeo 11.7 (2021).
- Mnajid, Mahmoud Hwedi, And Asama Ar Oiyed. "Effect Of Addition of Potassium Fertilizer Levels to Soil and Spraying of Iron in Growth and Yield of Corn (Zea Mays L.)." Tikrit Univ. For Agri. Sci 13.2 (2013): 398-405.



Skills and Qualifications

1. Experienced in operating biological and chemical laboratory equipment in research laboratories.
2. Proficient in using statistical software programs (GenStat, SAS, SPSS).
3. Skilled in working with Microsoft Office suite.
4. International peer reviewer for scientific research indexed in Web of Science (Publons).



Teaching Experience

- Teaching Biosafety and Biosecurity
 - Teaching Microbe–Plant Interactions.
 - Teaching courses in General Biology.
 - Teaching Molecular Biology.
 - Teaching General Microbiology.
 - Teaching Medical Microbiology.
 - Teaching Community Health.
 - Supervising graduation research projects for fourth-year students.
 - Supervising the practical training of fourth-year students.
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Workshops, Training Courses, Seminars, and Scientific Conferences

- Participated as a lecturer or attendee in numerous training courses, workshops, seminars, and scientific conferences organized by Iraqi universities.
 - Participated in training courses under the Agricultural Project Program of the United States Agency for International Development (INMA), as well as in training courses held outside Iraq.
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Membership in University Technical Committees

- Member of the Central Committee for Evaluating the Credibility of Scientific Journals, University of Sumer (2023–2025).
- Member of the Examination Committees, College of Medicine, University of Sumer (2022–2025).

- Member of the Supervisory Committee for the Accreditation of the College of Medicine, University of Sumer (since early 2024–2025).



Professional Memberships

- Member of the Iraqi Academics Syndicate (present).
- Member of the Royal Society of Biology, United Kingdom (present).



Career Objective

I aspire to leverage my extensive expertise in microbiology, biotechnology, and scientific research to contribute to the promotion of academic excellence and innovation within your esteemed university. I believe in the importance of fostering interdisciplinary collaboration, developing future scientific leaders, and supporting impactful research in the fields of microbiology, biotechnology, and sustainability. I seek to play an active role in developing innovative educational programs at your university, thereby enhancing the scientific landscape at both the national and international levels.

I sincerely appreciate your valuable time and consideration in reviewing my curriculum vitae.

With best regards,

Dr. Osama Abdul Rahman Owaid Al-Khazraji