



Aydin Khodaei-Joghan



Sex: Male

Date of Birth: 1982

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Address: Department of Plant Production and Genetics Engineering, Faculty of Agriculture, Agricultural Sciences and Natural Resources University of Khuzestan, Mollasani, Iran.

RESEARCH

INTERESTS

- Agroecology
- Crop Ecology
- Sustainable Crop Production
- Low Input Farming Systems
- Crop Nutrition

POSITION

- **Assistant Professor of Crop Ecology**, Department of Plant Production and Genetics Engineering, Faculty of Agriculture, Agricultural Sciences and Natural Resources University of Khuzestan, Mollasani, Iran.

EDUCATION:

(Ph.D.)

- **Tarbiat Modares University (TMU)**, Tehran, Iran.
Ph.D. in Agronomy- Crop Ecology (2010-2015)
Thesis Title: Ecophysiological Response of Sunflower to Nutrition Systems Under Different Irrigation Regimes
Supervisor: Dr. Amir Ghalavand Advisors: Dr. Majid Aghaalikhani, Dr. Ali Sorooshzadeh

(M.Sc.)

- **Tarbiat Modares University (TMU)**, Tehran, Iran.
M.Sc. in Agronomy (2007-2010)
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Thesis Title: Effect of Zeolite in Integrated Application of Chemical and Organic Fertilizers on Quantitative and Qualitative Yield of Wheat
Supervisor: Dr. Amir Ghalavand Advisors: Dr. Majid Aghaalikhani

(B.Sc.)

- **Islamic Azad University**, Karaj, Iran.
B.Sc. in Agronomy and Plant Breeding
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TEACHING EXPERIENCES

- **Agricultural Sciences and Natural Resources University of Khuzestan**, 2015-present:
BSc: Ecology - Sustainable Agriculture - Agronomy - Integrated Agricultural systems - Conservation Agriculture
MSc: Crop Ecology- Sustainable Water and Soil Management- Crop Ecological Adaptation- Principles of Ecological Economics- Landscape Ecology- Food and Nutrition Ecology-
PhD: Crop Production Ecology- Biodiversity in Agriculture
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WORK EXPERIENCES

- **Supervisor of Thecnology Incubator**. 2023-present. Agricultural Scinces and Natural resources University of Khuzestan
 - **Assistant Professor of Crop Ecology**, 2015-present. Department of Plant Production and Genetics Engineering, Faculty of Agriculture, Agricultural Sciences and Natural Resources University of Khuzestan, Mollasani, Iran.
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JOURNAL PAPERS

- Jalal Torfi Alivi, Mohammad Hossain Gharineh, Abdul Mahdi Bakhshandeh, Seyed Amir Mousavi, **Aydin Khodaei Joghhan** .2023. Effect of Different Levels of Nitrogen on the Yield, Efficiency and Nitrogen Harvest Index of Marigold and Vicia faba in Different Mixed Cropping Patterns. International Journal of Applied Agricultural Sciences. 9 (4).
 - Farideh Alkasir, Mohammadhosin Gharineh, Naser Zarifinia, **Aydin Khodaei Joghhan**. 2023. Effect of Combination of Fertilizer on the Concentration of Some Elements in Biomass and Quantitative Yield of Asparagus officinalis Genotypes. Journal of crop nutrition science. 9 (3).
 - **Aydin Khodaei-joghhan** , Majid GHOLAMHOSEINI , Majid AGHA-ALIKHANI , Farhad HABIBZADEH , Ali SOROOSHZADEH , Amir GHALAVAND. Response of sunflower to organic and chemical fertilizers in different drought stress conditions.2018. Acta Agriculturae Slovenica 112:
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- **Aydin Khodaei Joghhan**, Amir Ghalavand, Majid Aghaalikhani, Majid Gholamhoseini, and Aria Dolatabadian. 2012. How Organic and Chemical Nitrogen Fertilizers, Zeolite, and Combinations Influence Wheat Yield and Grain Mineral Content. *Journal of Crop Improvement*, 26:116–129.
- **Aydin Khodaei Joghhan**, Amir Ghalavand, Majid Aghaalikhani, Majid Gholamhoseini, and Aria Dolatabadian. 2010. Comparison among different integrated nutrition management for soil micro and macro elements after winter wheat harvesting and yield. *Not Sci Biol* 2 (2), 107-111.
- Majid Gholamhoseini, Amir Ghalavand, **Aydin Khodaei-Joghhan**, Aria Dolatabadian, Hamed Zakikhani, Elyas Farmanbar. 2013. Zeolite-amended cattle manure effects on sunflower yield, seed quality, water use efficiency and nutrient leaching. *Soil & Tillage Research* 126 : 193–202.
- Majid Gholamhoseini, Majid Aghaalikhani, **Aydin Khodaei-Joghhan**, Hamed Zakikhani and Aria Dolatabadian. 2012. How zeolite controls nitrate leaching and modifies canola grain yield and quality. *Agricultural Research and Reviews* Vol. 1(4), pp. 113 – 126.
- Hamed Zakikhani, Mohammad Reza Ardakani, Farhad Rejali, Majid Gholamhoseini, **Aydin Khodaei Joghhan** and Aria Dolatabadian. 2012. Influence of Diazotrophic Bacteria on Antioxidant Enzymes and Some Biochemical Characteristics of Soybeans Subjected to Water Stress. *Journal of Integrative Agriculture*, 11(11): 1828-1835.
- Majid Aghaalikhani, Majid Gholamhoseini, Aria Dolatabadian, **Aydin Khodaei-Joghhan** and Kamal Sadat Asilan. 2011. Zeolite Influences on Nitrate Leaching, Nitrogen Use Efficiency, Yield and Yield components of Canola in Sandy Soil. *Archives of Agronomy and Soil Science* 2011, 1–21, iFirst article.
- M. Gholamhoseini, A. Ghalavand, A. Dolatabadian, E. Jamshidi, **A. Khodaei-Joghhan**. 2013. Effects of Arbuscular Mycorrhizal Inoculation on Growth, Yield, Nutrient Uptake and Irrigation Water Productivity of Sunflowers Grown under Drought Stress. *Agricultural Water Management* 117 : 106– 114.
- Majid Gholamhoseini, Majid Aghaalikhani, Aria Dolatabadian, **Aydin Khodaei-Joghhan** and Hamed Zakikhani. 2012. Decreasing Nitrogen Leaching and Increasing Canola Forage Yield in a Sandy Soil by Application of Natural

Zeolite. *Agronomy Journal* Vol. 104(5), pp. 1467 – 1474.

- Aria Dolatabadian, Seyed Ali Mohammad Modarres Sanavy , Majid Gholamhoseini, **Aydin Khodaei Joghhan**, Mohammad Majdi, Arman Beyraghdar Kashkooli. 2013. The role of calcium in improving photosynthesis and related physiological and biochemical attributes of spring wheat subjected to simulated acid rain. *Physiol Mol Biol Plants* (April–June 2013) 19(2):189–198.
 - Majid Gholamhoseini, Amir Ghalavand, Arya Dolatabadian, Ehsan Jamshidi, **Aydin Khodaei-Joghhan**.2010. Integrated fertilizer management to attain sunflower sustainable production under different irrigation regimes. *Archives of agronomy and soil science* Vol.56 No.3 :295-309
 - Majid Gholamhoseini, Majid Aghaalikhani, Mohammad Jafar Malakouti and **Aydin Khodaei-Joghhan**. 2012. Influence of Zeolite Application on Nitrogen Efficiency and Loss in Canola Production under Sandy Soils Conditions. *Communication in soil science and plant analysis* 43:1247-1262
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CONGRESS ARTICLES

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- Mahboobeh Abdollahi Nouroozi1, **Aydin Khodaei-Joghan** and Ali Moshatati. 2017. The Role of Natural Zeolite in Improving Cattle Manure Composts Efficiency and Increasing Crops Yield in Sustainable Agroecosystems. 3rd international conference on sustainable development, strategies and challenges with a focus on agriculture , natural resources , environment and tourism. 2017 Tabriz . Iran.
 - Mahboobeh Abdollahi Nouroozi1, **Aydin Khodaei-Joghan** and Ali Moshatati. 2017. The use of unmanned aerial monitoring technology in precision agriculture and its role in reducing consumption of inputs in agroecosystems. 3rd international conference on sustainable development, strategies and challenges with a focus on agriculture , natural resources , environment and tourism. 2017 Tabriz . Iran.
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