



PERSONAL INFORMATION:

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Academic Level: Assistant Professor

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EDUCATION:

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
Ph.D.	Horticultural Science (Vegetable crops)	University of Agricultural Sciences & Natural Resources, Gorgan, Iran.	2021
M.SC.	Horticultural Science (Vegetable crops)	University of Agricultural Sciences & Natural Resources, Gorgan, Iran.	2014
Title of M.SC Thesis: Effect of boron, KNO ₃ and salicylic acid by several concentrations of sucrose on the qualitative and quantitative parameters of tomato plant in great Daland farm			
Title of PhD Thesis: Evaluation of physiological and biochemical changes of tomato plant affected by <i>Trichoderma harzianum</i> fungi and <i>Azospirillum brasilense</i> bacteria in different controlled irrigation regimes			

RESEARCH INTEREST:

- Physiology of vegetables in greenhouse
- Nutrition of vegetables in greenhouse
- Application of biological compounds in vegetable crops

- Transplant production

PUBLICATION:

Journal Papers

- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi, Behnam Kamkar and Bahareh Rahmani. 2015. Effect of foliar application of salicylic acid and lime sulfur on some quantitative and qualitative characteristics of tomato transplanting var. Super A. Journal of Applied Research of Plant Ecophysiology. 2(1): 65-80.
- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi and Behnam Kamkar. 2015. Effect of Foliar Application of Sucrose, Boron, Potassium Nitrate and Salicylic Acid on Yield and Yield Components of Tomato var. Super A. Research In Crop Ecosystems. 2(1): 43-52.
- Kambiz Mashayekhi, **Ayoub Ghorbani Dehkordi***, Behnam Kamkar and Bahareh Rahmani. 2016. Effect of the initial weight of onion bulb on yield components and seed quality, and offering two models using stepwise regression analysis. Journal of Vegetables Sciences, 3: 25-35.
- Hedayatollah Karimzadeh Soureshjani, Mahmoud Bahador, MahmoudReza Tadayon and **Ayoub Ghorbani Dehkordi**. 2019. Modelling seed germination and seedling emergence of flax and sesame as affected by temperature, soil bulk density, and sowing depth. Industrial Crops & Products. 141: 1-8. (IF: 5.9). <https://doi.org/10.1016/j.indcrop.2019.111770>
- Hedayatollah Karimzadeh Soureshjani, **Ayoub Ghorbani Dehkordi** and Mahmoud Bahador. 2019. Temperature effect on yield of winter and spring irrigated crops. Agricultural and Forest Meteorology. 279: 1-7. (IF: 5.734). <https://doi.org/10.1016/j.agrformet.2019.107664>
- Abdollahmad Rased, Kambiz Mashayekhi, Seyyed Javad Mousavizadeh and **Ayoub Ghorbani**. 2019. Growth and physiological characters of radish in response to humic acid enriched with MS medium. Horticultural Plants Nutrition, 2(2): 130-141. <https://doi.org/10.22070/HPN.2019.4485.1026>
- Kambiz Mashayekhi, **Ayoub Ghorbani Dehkordi**, Seyyed Javad Mousavizadeh and Kamran Rahnema. 2021. The effect of nitrogen and phosphorus supplier bacteria on the characteristics of tomato seedling. Iranian Journal of Horticultural Science. 52(1): 113-123. <https://doi.org/10.22059/IJHS.2019.282291.1650>
- Hedayatollah Karimzadeh Soureshjani, Mahmoud Bahador, MahmoudReza Tadayon and **Ayoub Ghorbani Dehkordi**. 2022. Modeling seed germination of quinoa (*Chenopodium quinoa* Willd.) at different temperatures and water potentials. Acta Physiologiae Plantarum. 44: 102 (12p). (IF: 2.6). <https://doi.org/10.1007/s11738-022-03441-3>
- Amir Hossein Shahbazi, Seyyed Javad Mousavizadeh, Kambiz Mashayekhi and **Ayoub Ghorbani Dehkordi**. 2025. Optimization of greenhouse cucumber growth and fruit yield in response to foliar application of salicylic acid and boric acid. Plant Productions. 48(1): 69-85. [Doi: 10.22055/ppd.2024.47687.2193](https://doi.org/10.22055/ppd.2024.47687.2193)

Conference papers

- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi and Behnam Kamkar. 2014. Effect of foliar application of Sucrose and boron on some fruit characteristics of tomato var. Super A. National conference on new topics in agriculture, Tehran, Iran.
- Bahareh Rahmani and **Ayoub Ghorbani Dehkordi***. 2014. Effect of priming of ethanol, methanol and citric acid on onion (*Allium cepa* L.) seed germination. The second national conference of medicinal plants and sustainable agriculture, Hamedan, Iran.

- **Ayoub Ghorbani Dehkordi*** and Bahareh Rahmani. 2014. Effect of priming of ethanol, methanol and citric acid on tomato (*Lycopersicon esculentum*) seed germination. The second national conference of medicinal plants and sustainable agriculture, Hamedan, Iran.
- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi and Behnam Kamkar. 2014. Foliar application of sucrose and boron on some quality characters of tomato var. Super A. 3th national conference of plant physiology of Iran. Eisfahan, Iran. p: 957-960.
- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi, Seyed Javad Mosavizadeh and Kamran Rahnema. 2023. The effect of physicochemical changes of tomato fruit under the influence of *Trichoderma harzianum* and *Azospirillum brasilense* in different controlled irrigation regimes. The 13th Congress of Horticultural Sciences of Iran. Gorgan, Iran. p:1487-1491.
- **Ayoub Ghorbani Dehkordi***, Kambiz Mashayekhi, Seyed Javad Mosavizadeh and Kamran Rahnema. 2023. The effect of irrigation regime and use of *Azospirillum* and *Pseudomonas* bacteria on the chemical traits of tomato seedlings. The 13th Congress of Horticultural Sciences of Iran. Gorgan, Iran. p: 625-629.
- Hossein Zareiee, Seyyed Javad Mosavizadeh and **Ayoub Ghorbani**. 2023. Prospects of the country's greenhouses in the ten years plan 2015-2025, challenges and Approaches. The 13th Congress of Horticultural Sciences of Iran. Gorgan, Iran. p: 570-576.
- Abdolahmad Rased, Kambiz Mashayekhi, Seyed Javad Mosavizadeh and **Ayoub Ghorbani**. 2019. Investigating the growth and physiological indicators of radish fed with complete fertilizer based on MS in combination with humic acid. The 11th Congress of Horticultural Sciences of Iran. Uromie, Iran. p: 1-8.
- Abdolahmad Rased, Kambiz Mashayekhi, Seyed Javad Mosavizadeh and **Ayoub Ghorbani**. 2021. The relationship between phytochrome FR and R ratio and some traits of radish plant. The 12th Congress of Horticultural Sciences of Iran. Rafsanjan, Iran.

ACADEMIC TEACHING EXPERIENCE:

Title of Course	Level	Dates	Name of Institution
Physiology of vegetable crops in greenhouse Industrial production of seedlings in the greenhouse	M.Sc.	since 2022 to now	Gorgan University of Agricultural Sciences & Natural Resources
Basics of horticulture Operations of vegetable gardening skills (in file) Breeding and seed technology of horticulture crops Greenhouse Management Plants Nutrition	B.S.	since 2022 to now	Gorgan University of Agricultural Sciences & Natural Resources

SERVICE AND PROFESSIONAL MEMBERSHIP:

AWARDS:

LANGUAGES:

Persian language (Native) and English language



Gorgan University of Agricultural
Sciences & Natural Resources