



PERSONAL INFORMATION:

Full Name: Mohammad Hossein Ghorbani

Nationality: Iranian

Academic Level: Ph.D.

Cell: Assistant Professor of Agronomy

E-mail: ghorbanimh@yahoo.com

EDUCATION:

Bachelor's in agronomy and plant breeding, Gorgan University of Agricultural Sciences and Natural Resources (1955).

Master's in Agronomy, Gorgan University of Agricultural Sciences and Natural Resources (2001).

Ph.D. in agronomy, Armenian National Agrarian University (2017).

RESEARCH INTEREST:

Crops improvement,

Drought (Rainfed Cultivation) and Soil salinity Stresses,

Seed science and technology

PUBLICATION:

Journal papers

1-Ghorbani, M.H., Soltani, A., 2002. Evaluating climate change in Gorgan for past 40 years (Text in Persian, abstract in English). J. Agric. Sci. Natural Resources, 9, 3-13. (In Persian with English Abstract).

2. Ghorbani, M.H., Zeinali, E., Soltani, A., and Galeshi, S. 2002. The effect of salinity stress on two wheat cultivar growth and yield. J. Agric. Sci. Natural Resources, 10, 5-13. (In Persian with English Abstract).

3. Ghorbani, M.H., Zeinali, E., Soltani, A., 2002. The effect of hydration and dehydration duration on three Wheat seedling cultivar. *J. Agric. Sci. and Tech.* 2: 17, 203-208. (In Persian with English Abstract).
- 4-Soltani, A., Ghorbani, M.H., Galeshi, S. and Zeinali, E. 2004. Salinity effects on germinability and vigor harvested seeds in wheat. *Seed Sci. & Technol.* 32, 583-592.
5. Ghorbani, M.H., and Porfarid A., 2008. The effect of salinity and sowing depth on wheat seed emergence. *J. Agri. Sci. and Nat. Res.* 14: 1-8. (In Persian with English Summary).
6. Ghorbani, M.H., Soltanic, A., Amiri, S., 2008. The effect of salinity and seed size on response of wheat germination and seedling growth. *J. Agri. Sci. and Nat. Res.* 14 (6), 44-52. (In Persian with English Abstract).
7. Ghorbani, M.H., Hosseini, R.S., and Zahed, M. 2010. The response of ten rice cultivar vegetative growth to salinity. *J. Agric. Sci. and Nat. Res.* 14 (5): 78-85. (In Persian with English Abstract).
8. Ghorbani, M. H., Harutyunyan, H., Soltani, A. & Kamkar, B. 2011. Tillers contribution on wheat yield in rainfed and saline soil in different row spacing and plant density. *Electronic Journal of Crop Production*, 3 (4), 125-142. (In Persian with English Abstract).
9. Ghorbani, M.H., and Harutyunyan, H. 2011. Response growth and yield to plant density and row space under rainfed conditions in wheat. *Elec. J. Crop Pro.* 4: 139-154. (In Persian with English Abstract).
10. Ghorbani, M. H. and Kamkar, B. 2012. Effect of row spacing and plant density on soil moisture, dry matter production, yield and water use efficiency in wheat in rainfed condition. *J. Crop Production* 17: 1-19. (In Persian with English Abstract).
11. Ghorbani, M.H. Kamkar, B. Harutyunyan, H. 2012. The impact of sowing form and rate on spring Wheat yield in saline soil condition of Golestan Province of IRI. *Agronomy and agro-ecology.* P: 19-23.
12. Ghorbani, M.H. 2012. The impact of the sowing norm and distance of row spacing on the crop capacity of spring Wheat in soil climatic condition of saline non irrigation soils. *Agro-science scientific journal.* 9(10). 561-563. (In Armenian with English Abstract).
13. Ghorbani, M.H. and M. Basiri. 2013. Plant density effect on growth and seed yield of wheat in saline soils and rain fed condition. *Electronic J. Crop Prod.* 6 (2): 57 - 72. (In Persian with English Abstract).

14. Ghaderifar, F., Alimagham, M., Pouri, K., Ghorbani, M.H., and Khawari, F. 2014. Study of the effect of salinity on the emergence and yield of wheat primed. *J. Appl. Physiol.* 1: 3. 1-13. (In Persian with English Abstract).
15. Kamkar B., O. Gorzin, N. Khalili, and M.H ghorbani. 2015. Determination of temperature-related parameters and response ranges of *Corchorus olitorius* L. seeds and seedlings using nonlinear regression. *J. Agric.* 17(1): 217-228. (In Persian with English Abstract).
- 16- Azadbakht, M., Ghorbani, M.H., Aldarvish, Z., and Hosseini, S.H. 2015. The growth and yield of the plant Azivash (*Corchorus Olitorious* L.) in various densities and irrigation regimes. *Agric. Eng. Int.* 17: 121-129.
17. Ghorbani, M.H., and Pasandideh Tashakori, A. 2017. Effect of different sowing dates on Azivash (*Corchorus olitorius* L.) seed quality. *Int. J. of Advanced Biological and Biomedical Research.* 5(1): 353–359.
18. Ardestani, M. M., Ghaderi-Far, F., Zeinali, E., Ghorbani, M.H., & Gorzin, M. 2018. The Effect of Row Spacing on Plant Architecture, Yield and Seed Quality of Cotton (*Gossypium hirsutum* L.).I. *J. of Field Crops Research.* 16(2): 435-446. (In Persian with English Abstract).
19. Azadbakht, M., Tabarsa, F., Torshizi., M.V., Ghorbani, M.H., and Aldarvish, Z. 2019. Different Irrigation Periods and Density Efficacy on Azivash Plant Operation in Seed Taking Time. *Crop production.* 12: 47-62. (In Persian with English Abstract).
20. Ghorbani, M.H., and Pasandideh Tashakori, A. 2021. Effect of Year, Planting Date and Plant Density on Yield, Nutrients and Photosynthetic Pigments in Leaves of Azivash (*Corchorus olitorius* L.). *Annals of the Romanian Society for Cell Biology.* 25 (6): 20132 – 20147.

Conference papers

1. Ghorbani, M.H., Zeinali, E., Soltani, A., and Galeshi, S. 2002. The effect of salinity stress on two Wheat cultivar growth and yield. The 7th Iranian Congress of Agricultural Sciences and Plant Breeding. Kraj.
2. Ghorbani, M.H, Soltani, A., Galeshi, S., and Zeinali, E. 2002. The effect of salinity stress induced on Wheat mather plant on seeds germination and seedling growth respond in salinity stress and in standard condition. The 7th Iranian Congress of Agricultural Sciences and Plant Breeding. Karej.
3. Akramghadri far, f., Galeshi, S., Kordnejadi, A., and Ghorbani, M.H. 2002. The effect of salinity stress on four Clover cultivar seed germination and seedling growth. The 7th Iranian Congress of Agricultural Sciences and Plant Breeding. Karej.

4. Latifi, N., Soltani, A., Ghorbani, M.H., and Dean Spanner. 2003. The differences for re-open of Canola germination. The 1st Research and Development of Canola cultivation in Golestan province.
5. Ghorbani, M.H., Soltani, A., Usafi, h., and Niknam, M. 2004. The effect of seed size and salinity on two Wheat cultivar of Zagros and Tajan germination and seedling growth. The 8th Iranian Congress of Agricultural Sciences and Plant Breeding. Faculty of Agricultural Sciences, University of Gilan.
6. Ghorbani, M.H., Zeinli, E., and Soltani, A. 2004. Effect of hydration and dehydration periods length on the coleoptiles and root growth and seedling survival of 3 wheat cultivars after rehydration. The 27th ISTA Congress – Seed Symposium. P 74.
7. Ghorbani, M.H., Pourfarid, A., and Khalili Abasabadi. 2004. The effect of Melon seeds placement direction in soil on emergence traits. The 2th Scientific and research conference of agriculture sciences students all over of Country/ Iran.
8. Ghorbani, M.H., Amiri, S., Basiri, M., and Pourfarid, A. 2005. The effect of salinity stress on five Rice cultivar germination and seedling growth. The 1st Scientific and research conference of Gorgan agriculture and basic sciences Students University.
9. Ghorbani, M.H., Pourfarid, A., Basiri, M., and Amiri, S. 2006. The effect of salinity stress on 10 Rice cultivar seed germinating and seedling growth. The 12th National Rice conference of the Country. Mazandaran University/ Babolsar.
10. Ghorbani, M.H., and Basiri, M. 2008. The interaction of temperature, salinity and cultivar on two Wheat cultivar of Tajan and Zagros germination and seedling growth traits. The 1st National Seed Science and Technology Conference of Iran. Gorgan.
11. Ghorbani, M.H., Hosseini, R.S., and Zahed, M. 2008. The seed size and plant density effect on Wheat growth and yield in farm. The 1st National Seed Science and Technology Conference of Iran. Gorgan.
12. Ghorbani, M.H., Esfandiyari, S., and Fazli, A. 2008. The respond of five Soybean cultivar growth and yield to salinity stress. Regional conference of cultivation under environmental stresses. Gorgan.
13. Ghorbani, M.H., Hosseini, R.S., Zahed, M. and 2008. The respond of five Soybean cultivar growth and yield to salinity stress. The first national conference of environmental stresses in agricultural science. Birjand University.
14. Ghorbani, M.H., and Harutyunyan, H. 2011. The effect of Plant Density and Row spacing on Wheat Growth and Yield in Rainfed and Saline Soil of Golestan Province/ North of Iran.

The First International Scientific Research Conference of Iranian Students. 16 -17 September 2011, Yerevan.

15. Ghorbani, M.H., and Harutyunyan, H. 2011. Tillers contribution on wheat yield in rainfed and saline soil in different row spacing and plant density. . The First International Scientific Research Conference of Iranian Students. 16 -17 September 2011, Yerevan.

16. Ghorbani, M.H., Basiri, M., and Saghalli, A. 2012. Reaction of Wheat growth and yield to plant density in saline soils and rainfed condition. The 12th Iranian Congress of Agricultural Sciences and Plant Breeding. Karj.

17. Ghorbani, M.H, and Saghalli, A. 2012. The effect of plant density and row spacing on soil moisture and wheat growth and yield in rainfed and saline soils. The 12th Iranian Congress of Agricultural Sciences and Plant Breeding. Karj.

18. Ghorbani, M.H., and Rakan, R. 2012. The investigation of Azivash plant cultivation and harvesting under Gorgan Climate. The first Congress of Medicinal Plants. Golestan province, Gorgan.

19. Moonian Ardstani¹, M., Ghaderi-Far, F Zeinali, E., and Ghorbani, M.H. 2013. Compare the Yield and morphological Varieties Cultivars cotton row planting distance. The first National Conference on Medicinal Plants and Sustainable Agriculture. Iran / Hamedan.

20. Ghorbani, M.H., Shamsabadi, H.A, and Mahghani, F. 2014. The effect of weed control methods and amount of nitrogen fertilizer on Sweet Corn growth and yield. The 1st International and 13th Iranian Crops Sciences Congress. Karj

21. Ghorbani, M.H., Shamsabadi, H.A, and Mahghani, F. 2014. The effect of sowing date on Azivash growth and yield under Gorgan climate. The 13th International and Iranian Crops Sciences Congress. Karj

22. Ghorbani, M.H., Pasandideh Nashkori, A. 2016. The effect of sowing date on harvested seed in Azivash edible and medicinal plant. The 2th International and 14th National Iranian Crops Sciences Congress.

23. Ghorbani, M.H., and Pasandideh Nashkori, A. 2017. The Cultivation, harvesting and introducing of Azivash plant (*Corchorus olitorius* L.) as a valuable food plan. The 8th National conference of Medical Herbs and Stable Agriculture Iran/ Hamedan.

24. Ghorbani, M.H., Pasandideh Nashkori, A., and Javaheri, M. 2019. The investigation of Azivash plant cultivation and harvesting in Shirvan/ Iran. The 2th International conference of Medical Herbs and Organic Farming, Natural and medicinal materials. Iran/ Mashad.

25. Ghorbani, M.H., Pasandideh Nashkori, A., and Razaghi, F. 2019. The investigation of Azivash herb and edible plant growth and yield in Karaj and Shirvan (Khorasan Shomali). The 2th International conference of Medical Herbs and Organic Farming, Natural and medicinal materials. Iran/ Mashad.
26. Ghorbani, M.H., Pasandideh Nashkori, A., and Javaheri, M. 2019. The effect of sowing date of Azivash herb and edible plant in Shirvan area (Khorasan Shomali province) on quality of harvested production. The 2th International conference of Medical Herbs and Organic Farming, Natural and medicinal materials. Iran/ Mashad.
27. Ghorbani, M.H., and Pasandideh Nashkori, A. 2019. The effect of year on growth and yield of Azivash herb and edible plant in Shirvan area (Khorasan Shomali province). The 10th Conference of Farming and Natural Resources Sustainable.
28. Ghorbani, M.H., and Pasandideh Nashkori, A. 2019. The quantity and quality compression of Azivash edible and herb plant production in Shirvan area (Khorasan Shomali proviance) with some other regions of the world reports. The 10th Conference of Farming and Natural Resources Sustainable.

Research Reports

1. Ghorbani, M.H., and Palevani, M.H. 2008. Response of growth and seed yield in Soybean to amount of Nitrogen at salinity stress conditions. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 20 p.
2. Ghorbani, M. H., Esfandyari, S., Javidmehr, T., Saghali, A. and Bagheri, B. 2010. Effect of plant density and row space during wheat growth period in rainfed and saline soil on wheat growth and yield. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 34 p.
3. Ghorbani, M. H., Esfandyari, S., and Javidmehr, T. 2011. The effect of plant density and row space during wheat growth period in rainfed and saline soil on wheat growth and yield. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 28 p.
4. Ghorbani, M. H., and Ghaderi-far, F. 2012. Effect of plant density and row space during wheat growth and yield in rainfed and saline soils conditions. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 29 p.
5. Ghorbani, M. H., and Ghaderi-far, F. 2012. The effect of plant density and row spacing on Wheat growth and yield in rainfed and saline soils conditions. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 29 p.

6. Movahedi Nseini, BAGHERI, m. Ghorbani, M.H., and Riahi, R. 2012. The Effect of Irrigation on Wheat Potassium Uptake in Soils with High Specific Surface and Truncated Electric Diffuse Double Layers. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 29 p.
7. Ghorbani, M.H., Shamsabadi, H.A., rahkan, R and Ghorishi, S. 2013. Effect of weed contro methods and amount of nitrogen fertilizer on sweet corn growth and yield. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 29 p.
8. Ghorbani, M. H., and Mahghani, F. 2016. Azivash (Jews Mallow or Wild Okra) plant cultivation, harvesting iand introducing it as a valuable food plant. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 34 p.
9. Ghorbani, M. H., Ghaderi-far, F., and Kiyanbakht, M. 2016. Effect of sowing date on Aazivash seed harvesting vigor (Jute mallow) as an edible and medicinal plant. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 16 p.
10. Ghorbani, M. H 2017. The effect of plant density and irrigation intervals on edible and medicinal Azivash plant (*Corchorus olitorius* l.) growth and yield. Gorgan University of Agricultural Sciences and Natural Resources. Research Report. 22 p.

SERVICE AND PROFESSIONAL MEMBERSHIP:

Undergraduate stage: Agronomy, Cereal Cultivation, Industrial Crops Cultivation, Rainfed Cultivation, Cultivation in stresses condition, Forage Crops Cultivation, Agricultural Practices,

Postgraduate stage: Advanced Medicinal Plants Cultivation, Seed Processing and Storage.

LANGUAGES: Persian, English, Arabic