



In The Name of God
Mohammad Ali Behdani
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Up Date: 6. Apr.2023

Education

B.S. in Agronomy and Plant Breeding,

Dept. Agronomy and Plant Breeding, Ferdowsi University of Mashhad, 1991

M.S. in Agronomy,

Dept. Agronomy and Plant Breeding, Ferdowsi University of Mashhad, 1995

Ph.D. in Crop Ecology,

Dept. Agronomy and Plant Breeding, Ferdowsi University of Mashhad, 2005

Thesis Title: **Ecological Zoning and Yield Monitoring of Saffron in Khorasan**

A Research Period at The University of Western Australia, 2005

Academic appointments

2013-Present	Editor –in-chief: Journal of Saffron Research
2013-Present	Member of editorial board: Journal of Saffron Research.
2014-Present	Member of editorial board: Environmental stresses in crop Sciences Journal.
2014-Present	Member of editorial board: Iranian Journal of Field Crops Research
2007-Present	Director of Saffron Research Group.

Areas of Research

- **Saffron** Research
- Special Plants
- Medicinal plants
- Oil Plants
- Ecological Zoning
- Ecological Studies of Water and Soil Resources
- Agroecology
- Research of Plants Nutrition

Honors

- Distinguished Researcher, University of Birjand, Iran, 1999.
- Second rank in Science Festival in Ferdowsi University of Mashhad (Ph.D. Thesis), Mashhad, Iran, 2007.
- Distinguished author for an article in the Third Red Gold Festival (**Saffron**), 2008.
- Distinguished Professor, University of Birjand, Iran, 2012.
- Distinguished Researcher of Southern Khorasan Province, 2012.

- Distinguished Director of Research among all Iranian Universities at 14th National Festival honoring the country's top researchers and technologists. 2013.
- Distinguished Researcher, University of Birjand, 2015
- Distinguished Researcher, University of Birjand, 2017
- Distinguished Researcher of Southern Khorasan Province, 2017.
- Distinguished Researcher, University of Birjand, 2018.
- Distinguished Professor, University of Birjand, Iran, 2020.

Courses Taught

- General Agronomy
- Agronomy of Cereal Crops
- Agronomy of Industrial Crops
- Crop Physiology
- Crop Ecology
- General Ecology
- Agriculture Processes
- Principles of Sustainable Agriculture
- Ecophysiology of Weeds
- Research Methodology
- Agriculture New topics.
- Agroecology.
- Organic Farming
- Free Discussion on Sustainable Agriculture
- Ecology of Agricultural Systems
- Climate Change and Plant Production
- Sustainable Management of Agricultural Ecosystem

Professional Experience

2019- Present	Member of University Council, University of Birjand
2014-Present	Member of University Audit Board, University of Birjand
2015-2017	A Council Members of South Khorasan Science and Technology Park
2012- 2016	Member of University Council, University of Birjand
2012-2016	Vice chancellor for Research and Technology, University of Birjand
2012-2015	Administrative Member of Iranian Society for Saffron Sciences
2007- Present	Manager of Saffron Research Group, University of Birjand
2007-2012	Dean of the Faculty of Agriculture
2006-2007	Director of Research Affairs, University of Birjand
1996-2000	Dean of the Faculty of Agriculture
1995-1996	Director of Research Affairs, University of Birjand

Books

- 1-**Behdani, M., A.** Principles of Cultivation. Aiizh Publication. [In Persian], 2011.
- 2-**Behdani, M. A.** **Saffron** (*Crocus sativus*). In: Future crops (PETER, K. V. eds). Vol. 1. Chapter 11. DAYA Pub. New Delhi, 2011.
- 3-**Behdani, M.A.,** Fallahi, H.R. 2015. Aghhavani-Shajari, M. Future Crops. University of Birjand Publication. Translation. [In Persian], 2015.
- 4-Fallahi, H.R., Rezvani-Moghaddam, P., **Behdani, M.A.,** Aghhavani-Shajari, M., Jahedi-pour, S., Yari, A. 2015. Principals of Carbon Sequestration. Jahad-e Daneshgahi Publication. [In Persian], 2015.
- 5-**Behdani, M.A.,** Fallahi, H.R. 2016. **Saffron**: Technical Knowledge Based on Research Approaches. University of Birjand Press. [In Persian], 2016.
- 6-**Behdani, M. A** and Arazmjo, E. 2016. Zinc in Soil and Nutrition of Plants. Translation.. [In Persian]. FekrBekr Publication. 2016.
- 7-Izanloo, A., **Behdani, M.A.** 2017. **Saffron** (*Crocus sativus*). In: Genesis and Evolution of Horticultural Crops (PETER, K. V. eds). Vol. 1. Chapter 19. Kruger Brentt Pub. UK, 2017.
- 8-**Behdani, M.A.,** Fallahi, H.R.Sardar.M. 2018. Technical Knowledge of **Saffron** Production. Haft Rang Press. [In Persian]. 2018.
- 9-Mahmodi,S.,**Behdani, M.,A.** and Arazmjo, E. 2021. Phytoremediation and Biofortification Two Side of One Coin. Translation. [In Persian]. University of Birjand Press.

Scientific Achievement

- * Capsule and tablet of organic **Saffron** as anticancer. 2018. **Behdani, Mohammad Ali.,** Hoshyar, Nafiseh., Hoshyar, Reyhaneh., Behdani, Bebnaz., Hassanpourfard, Mohammad. and Pourgholami, Maliheh.
- * Establishment of Fanavaran Behzist Shargh Company(Knowledge-Based).2015. **Behdani, Mohammad Ali.,** Hoshyar, Reyhaneh, Hassanpourfard, Mohammad.

Research projects

1. Rashed Mohassel, M.H., **Behdani, M.A.** 1993. The Effect of Variety and Plant Density on Growth and Yield of Safflower.Ferdowsi University of Mashad, Mashad, Iran.
2. **Behdani, M.A.,** Rashed Mohassel, M.H., kochehi, A., Rahimeyan, H. 1995. Competition between Soybean Genotypes and its Effect of Yield and Yield Components. Ferdowsi University of Mashad. Mashad. Iran.
3. Karimpour, M.H., Mekaniki, J and **Behdani, M.A.** 1995. Study of economic, social and cultural landscape of Birjand and Nehbandan. Birjand University.
4. **Behdani, M.A.,** Taheri, G.H., Falaki, M. 1996. The Effect of Variety and Plant Density on Sesame. University of Birjand. Birjand. Iran.
5. Asadian, A.H., Ghorbani, M. and **Behdani, M.A.** 1996. Evaluation of yield, yield components and morphological characteristics of cotton and cannabis along with foliar application of fertilizer and humic acid in mixed culture and its effect on microbial population and rhizosphere mycorrhiza

6. Montazer, A.A., Najafi, M.H., **Behdani, M.A.** 1997. Evaluation and Development of Pressurized Irrigation in South of Khorasan. University of Birjand and Agriculture Organization, Birjand. Iran.
7. Eslami, S.V., **Behdani, M.A.** 1998. The Effect of Foliar application of Macro and Micro Elements on Different Growth Stage of Cotton and its effect of yield and Yield components. University of Birjand. Birjand. Iran.
8. **Behdani, M.A.**, Taheri, G.h., Falaki, M. 1996. Evaluation of Yield and Yield Components of Safflower on Different Planting Dates. University of Birjand. Birjand. Iran.
9. **Behdani, M.A.**, Kochaki, A.R., RezvaniMoghadam, P. and NasiriMahalati, M. 2005. Ecological Zoning and Yield Monitoring of **Saffron** in Khorasan Province. Ferdowsi University of Mashhad. Mashhad. Iran.
10. Khalili, K., **Behdani, M.A.** 2001-2005. Feasibility Study of Mechanization Separation of Petals and Extraction of **Saffron** Stigma. University of Birjand. Birjand. Iran.
11. **Behdani, M.A.**, Jami Al-Ahmadi, M., Naseri, I. 2006. The Effect of Different Irrigation Regime on Yield and Yield Components of Safflower. University of Birjand. Birjand. Iran.
12. **Behdani, M.A.** et al. 2006. Ecological Zoning Approach for Optimizing of Production of **Saffron** in South Khorasan. **Saffron** Research Group. University of Birjand. Birjand. Iran.
13. **Behdani, M.A.** et al. 2007. Modeling the Process of Assimilates Allocation in **Saffron**. University of Birjand, Birjand, Iran. **Saffron** Research Group. University of Birjand. Birjand, Iran.
14. **Behdani, M.A.**, Eslami, S.V., Safayi, M. 2009. Comprehensive Study in Producing and Exporting Medicinal Plants in South Khorasan. University of Birjand. Birjand. Iran.
15. **Behdani, M.A.** et al. 2013. The Auditing of **Saffron** Science. **Saffron** Research Group. University of Birjand, Birjand, Iran and Vice-President of Science and Technology. Iran.
16. **Behdani, M.A.** et al. 2011-2012. Study of drought indicators and analysis of past droughts in South Khorasan province during the last 20 years. Meteorological Organization. Birjand. Iran.
17. Falaki, M. and **Behdani, M.A.** 2011-2013. Investigating the Economic, Social and Environmental Effects of Targeted Subsidies on Nomadic Families in South Khorasan Province. Birjand. Iran.
18. **Behdani, M.A.** et al. 2012-2014. The Comparison of Micro Elements (Mn, Fe and Zn) and Heavy Metals (Co, Cr and Cd) in The Soil of Perennial Farms of **Saffron** (*Crocus sativus* L.) in Southern Khorasan Province. **Saffron** Research Group. University of Birjand. Birjand. Iran.
19. Behdani, M.A. et al. 2014-2016. Standardization and Accreditation of Technological Knowledge of Organic **Saffron** Production. **Saffron** Research Group. University of Birjand. Birjand. Iran and Vice-President of Science and Technology. Iran.
20. **Behdani, M.A.** et al. 2013-2015. Technical knowledge Creation from the **Saffron** Research Projects has been Completed and Delivered to Knowledge-based Companies. **Saffron** Research Group. University of Birjand. Birjand. Iran and Vice-President of Science and Technology. Iran.
21. **Behdani, M.A.** Izanloo, A. 2013-2016. Ecological Study of **Saffron** in Iran (Laboratory Studies). **Saffron** Research Group. University of Birjand, Birjand, Iran and Vice-President of Science and Technology. Iran.
22. Izanloo, A. and **Behdani, M.A.** 2013-2016. Tissue **Saffron** cultivation for reproduction and infusion of genetic diversity. **Saffron** Research Group. University of Birjand, Birjand, Iran and Vice-President of Science and Technology. Iran.

23. **Behdani, M.A.**, Hoshyar, R. 2013-2017. Ecological and Quantitative analysis of Major Components of Organic and Conventional **Saffron** (Crocins and Picrocrocin) in South Khorasan. **Saffron** Research Group. University of Birjand, Birjand, Iran and Deputy Minister of Research & Technology, Iran.
24. **Behdani, M.A.** et al. 2014-2020. Evaluation of qualitative and quantitative yield, soil healthy indices and weeds biodiversity in organic and conventional low, medium and high input farming systems of **Saffron** (*Crocus Sativus* L.). University of Birjand. Birjand. Iran.
25. Khashei Siuki, A., Shahidi, A., **Behdani, M.A.**, Hajiabadi, F., Shirzadi, F., 2020. Determination of water requirement and single and dual crop coefficients of **Saffron** with using Lysimeter method (Case study: Birjand Plain) **Saffron** Research Group. University of Birjand. Birjand. Iran.
26. Vahidi, M.J., **Behdani, M.A.**, Servati, M., Naderi, M. 2021. Study of fuzzy-based models performance on quantitative land suitability evaluation for cotton crop in South Khorasan Province (case study: Sarayan and Boshrouye Counties), University of Birjand. Birjand. Iran.

Supervisor and Advisor of Master of Science Theses

1. Namdari, M., **Behdani, M. A.**, Zamani, G. R. and Arab, G. H. 2009. Evaluation of yield, yield components and seed quality of soybean cultivars under six intercropping condition. University of Birjand. Faculty of Agriculture. Master's thesis
2. Bonari, A., Mousavi Nik, S. M., **Behdani, M. A.** and Besharati, H. 2009. Effect of sulphur fertilizer and time of nitrogen fertilizer application on quantitative and qualitative traits of sunflower (*Helianthus annuus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
3. Farshid, R., Zamani, G. R. and **Behdani, M. A.** 2009. Effects of salinity and nitrogen use methods on yield and yield components of wheat. University of Birjand. Faculty of Agriculture. Master's thesis
4. Ali, S., Eslami, S. v., **Behdani, M. A.** and Jami Alahmadi, M. 2009. Effect of glycinebetaine application on germination and vegetative growth of two crops corn and canola under salt. Drought and cold stress. University of Birjand. Faculty of Agriculture. Master's thesis
5. Mousavifar, E., **Behdani, M. A.**, Jami Alahmadi, M. and Hoseini Bojd, M. S. 2010. Response of spring safflower genotypes to irrigation termination in different reproductive growth stage. University of Birjand. Faculty of Agriculture. Master's thesis
6. Kozegaran, S., Mousavi Bygi, M., Sanaeinezhad, H., **Behdani, M.A.** and Inanlu, M. 2009. Agroclimatic zoning of **Saffron** in south khorasan using GIS. Ferdowsi University of Mashad. Faculty of agriculture. Master's thesis
7. Jamali Rafsanjani, M., **Behdani, M.A.**, Mosavi Nik, S.M., Mahmoodi, S. 2010. Effect of drought stress and different potassium application on yield, yield components and oil quality of Safflower (*Carthamus tinctorius*). University of Birjand. Faculty of Agriculture. Master's thesis
8. Zahraee, S.F., **Behdani, M.A.**, Eslami, S. V. and Zarban, A.A. 2010. The assessment of the effect of different sulphur application levels on the quality and quantity of spring Safflower cultivars. University of Birjand. Faculty of Agriculture. Master's thesis
9. Moayedi Shahraki, E., Jami Alahmadi, M., **Behdani, M.A.** and Mahmudi, S. 2010. Influence of cover crops and mulch management on weeds control and yield in Safflower (*Carthamus tinctorius* L.). University of Birjand. Faculty of Agriculture. Master's thesis

10. Vafi, M., Mahmudi, S., **Behdani, M.A.** and MousaviNik, S, M. 2010. Evaluation of common lambsquarters (*Chenopodium album*) competition with cotton (*Gossypium hirsutum*) in different levels of nitrogen fertilizer in Birjand region. University of Birjand. Faculty of Agriculture. Master's thesis
11. HatamiSardashti, Z., Jami Alahmadi, M., **Behdani, M.A.** and MahdaviDamghani, A. 2011. Evaluation of sustainability in **Saffron** agroecosystems in some parts of Southern Khorasan Province. University of Birjand. Faculty of Agriculture.
12. Shafe, M., **Behdani, M.A.** and Jami alahmadi, M. 2011. The effect of priming on germination characteristics, seed vigor, establishments and growth of medicine plant henbane (*Hyoscyamus niger L.*). University of Birjand. Faculty of Agriculture. Master's thesis
13. Nasirzadeh, A.R., **Behdani, M.A.**, Emam, Y. and Mirza, M. 2011. Evaluation of viability, Yield and quantity and quality of essential oil of different accession of three thymus species (*Thymus vulgaris*, *Th. daenesis*, *Th. kotschyanus*) in Shiraz. University of Birjand. Faculty of Agriculture. Master's thesis
14. Noorbakhsh, F., **Behdani, M.A.** and Jamialahmadi, M. 2011. Effect of sulfur and Thiobacillus fertilizers on quantifiable and quality yield of safflower (*Carthamus tinctorius*). University of Birjand. Faculty of Agriculture. Master's thesis
15. Dadmand, M., **Behdani, M.A.** and Eslami, S.V. 2011. Studying the influence of osmopriming and hydropriming on germination and growth of maize under drought stress. University of Birjand. Faculty of Agriculture. Master's thesis
16. Asgharzadeh, F., FathiNasri, M. H., **Behdani, M.A.** and Vakili, A. 2011. Effect of different levels of nitrogen and phosphorus fertilizers on nutritive value of safflower silage. University of Birjand. Faculty of Agriculture. Master's thesis
17. Jasmi, K.H., **Behdani, M.A.**, Sayyari, M. H. and Mahmoodi, S. 2011. Assessment of indicators of soil sustainability in **Saffron** farms of Birjand County. University of Birjand. Faculty of Agriculture. Master's thesis
18. NasiriKhorasani, N., **Behdani, M.A.**, Akbarpoor, A. and Mahmoodi, S. 2012. Water Quality assessment in **Saffron** Ecosystems of Sarbisheh Reiojen using ARC GIS. University of Birjand. Faculty of Agriculture. Master's thesis
19. JalalMoghadas, R., **Behdani, M.A.**, Sayyari, M.H. and Mahmoodi, S. 2012. Effect of manure and sulfur fertilizers and their application time on the growth characteristics, yield and grain quality of Sunflower (*Helianthus annuus L.*). University of Birjand. Faculty of Agriculture. Master's thesis
20. Bahamin, S., Mahmoodi, S., and **Behdani, M.A.** 2012. Effect of bio-fertilizer, manure and chemical fertilizer on quantitative and qualitative yield of sunflower (*Helianthus annuus L.*). University of Birjand. Faculty of Agriculture. Master's thesis
21. Omidvar, M., **Behdani, M.A.**, Eslami, S. V. and SayyariZohan, M. H. 2012. Effect of Glycinebetaine application on germination and vegetative growth of sunflower (*Helianthus annuus L.*) and soybean (*Glycine Max L.*) crops under salt, drought and cold stresses. University of Birjand. Faculty of Agriculture. Master's thesis
22. HeydarnejadMoghadam, E., **Behdani, M.A.**, Jamialahmadi, M. and Akbarpoor, A. 2012. Study of weed populations dynamic in **Saffron** fields of Qaenrejo, Southern Khorasan, using GIS procedure. University of Birjand. Faculty of Agriculture. Master's thesis

23. Jamshidi, K., Fall Soleiman, M., Akbarpoor, A. and **Behdani, M.A.** 2012. Agro- Ecological potency Zonation for *Zea Mays* cultivation by GIS (case study: Boukan county). University of Birjand. Faculty of Literature and humanities. Master's thesis
24. Behravan, R., Eslami, S.V., Zand, E. and **Behdani, M.A.** 2012. Studying the efficacy of ACCase inhibitor herbicides in the control of narrow-leaved weeds of **Saffron** and effect of their applying in mixture with liquid fertilizer Prolex. University of Birjand. Faculty of Agriculture. Master's thesis
25. Teimori, S., **Behdani, M.A.**, Ghaderi, M. GH. And Sadeghi, B. 2011. Effect of chemical and organic fertilizers on **Saffron** (*Corcus sativus L.*) corm size. University of Birjand. Faculty of Agriculture. Master's thesis
26. Fatemi, T., **Behdani, M. A.**, Forughifar, H., and Filehkesh, I. 2012. Zoning of *Cuminum cyminum* yield based on soil and climate properties in Sabzevar. University of Birjand. Faculty of Agriculture. Master's thesis
27. Azarpeyvand, H., **Behdani, M.A.**, SayariZohan, M. H., Khavazi, K. and Azarpeyvand, H. 2012. Effect of bio and chemical fertilizers on quantitative and qualitative characteristics of Basil (*Ocimum basilicum L.*). University of Birjand. Faculty of Agriculture. Master's thesis
28. Khavari, A., **Behdani, M.A.**, Zamani, GH. R. and Mahmoodi, S. 2013. Effect of planting methods and corm weight on yield of **Saffron** (*Crocus sativus L.*) in Qaenat region. University of Birjand. Faculty of Agriculture. Master's thesis
29. Sardar, M., **Behdani, M.A.**, Eslami, S. V. and Mahmoodi, S. 2013. Effect of planting method and weed control on growth characteristics and yield of cotton (*Gossypium hirsutum L.*) in boshroyeh. University of Birjand. Faculty of Agriculture. Master's thesis
30. AlipoorMiandehi, Z., Mahmoodi, S., **Behdani, M.A.** and SayariZohan, M. H. 2013. Effect of manure, bio and chemical fertilizers and corm size on the yield and corm characteristics of **Saffron** (*Crocus sativus L.*). University of Birjand. Faculty of Agriculture. Master's thesis
31. Azizi, R., **Behdani, M.A.** and SayyariZohan, M.H. 2014. Relationship of water quality and irrigation interval on yield of **Saffron** fields in South Khorasan. University of Birjand. Faculty of Agriculture. Master's thesis
32. Nekouei, N., **Behdani, M.A.** and Khashei- Siuki, A. 2014. Evaluation of regression models and expert systems in yield estimation of **Saffron** (Case study: Razavi and South Khorasan Province, Iran). University of Birjand. Faculty of Agriculture. Master's thesis
33. Hoseinzadeh, Sh., **Behdani, M.A.**, SayyariZohan, M. H. and Izanloo. A. 2014. The relationship of corm size and soil chemical characteristics with **Saffron** yield in South Khorasan agroecosystems. University of Birjand. Faculty of Agriculture.
34. Riahinia, N., montazerTorbati, m. B., Omidi, A. and **Behdani, M.A.** 2013. The effect of **Saffron** petals' extract on the liver toxicity induced by acetaminophen in Rats. University of Birjand. Faculty of Agriculture. Master's thesis
35. Mehrabi, P., **Behdani, M.A.**, Tajbakhsh, S. M. and Mahmudi, S. 2014. Zoning of Susceptible land of planting of Licorice (*Glycyrrhiza glabra*) in Arak City. University of Birjand. Faculty of Agriculture. Master's thesis
36. Fani, R., **Behdani, M.A.**, Sayyari, M.H and Baghban, A. 2015. The effect of organic and chemical fertilizers there with humic acid on **Saffron** corm size in the first year. University of Birjand. Faculty of Agriculture. Master's thesis

37. Abutorabi, H.R., **Behdani, M.A.** and Vahidi, M.J. 2015. The use of remote sensing technique for investigating on agriculture land-use in Qaen County during 1986-2014. University of Birjand. Faculty of Agriculture. Master's thesis
38. Nasiri, S., Mahmudi, S., **Behdani, M.A.** and Samadzadeh, A. 2015. Effect of manure and chemical fertilizers on growth and yield of three varieties of tomato (*Lycopersicon esculentum* Mill) in Birjand. University of Birjand. Faculty of Agriculture. Master's thesis
39. Golzari, M., Behdani, M.A., Sayari, M.H. and Khoramdel, S. 2015. Effect of biofertilizer and mother corm weight on growth and yield of flowers and stigmas and quality characteristics of **Saffron**. University of Birjand. Faculty of Agriculture. Master's thesis
40. Yazdanpanah, P., **Behdani, M.A.**, Mohammadi, A. and Sayyari, M. H. 2015. Study mycorrhizal species of **Saffron** Field of South Khorasan. University of Birjand. Faculty of Agriculture. Master's thesis
41. GolMohammadi, Z., **Behdani, M.A.** and RamezaniMoghadam, M.R. 2015. Exploring the possibility of cultivation of zero type cultivars of cotton in very narrow rows under the ecological conditions of Mashhad. University of Birjand. Faculty of Agriculture. Master's thesis
42. AfzaliBagh Abbas, Z., Alizadeh, Z., Jami Alahmadi, M. and **Behdani, M.A.** 2016. Effect of phosphate fertilizers on the expression of phosphate transporter in **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
43. OftadeFadafan, A., AminiFard, M.H., Moradinezhad, F. and **Behdani, M.A.** 2016. Effect of nitroxin and vermicompost application on growth, reproductive characteristics and yield of **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
44. Javadi, S., SayyariZohan, M. H., **Behdani, M.A.** and Mahmudi, S. 2017. Evaluate the physical and chemical properties of soil and its effect on the performance on **Saffron** in perennial fields of southern khorasan. University of Birjand. Faculty of Agriculture. Master's thesis
45. Khodaverdizadeh, S., **Behdani, M.A.** Khashei-Siuki, A. 2017. Evaluation of possibility of using analysis network process in determining suitable locations **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
46. Derakhshan, A., Izanloo, A., Alizadeh, Z. and **Behdani, M.A.** 2016. Optimization of Callus induction from corm of **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
47. .Mirzaei, F., **Behdani, M.A.** and Jami-Alahmadi, M. 2016. Evaluation of the effect of granular sulfur and planting date on yield and yield components of *Cucurbita pepo* L. University of Birjand. Faculty of Agriculture. Master's thesis
48. Hosaeini, S.S., **Behdani, M.A.**, Khashei, A. 2017. Time and space zoning of cotton-prone lands using hierarchical analysis method. (Case study of South Khorasan province). University of Birjand. Faculty of Agriculture. Master's thesis
49. Khamari, M., Mahmoodi, Y. and **Behdani, M.A.** 2017. Evaluation of intercropping of sorghum (*Sorghum bicolor* L.) and common millet (*Panicum miliaceum* L.) in Birjand region. University of Birjand. Faculty of Agriculture. Master's thesis
50. Shakeri, M., Aminifard, M.H., **Behdani, M.A.** and Tabatei, S.J. 2017. Evaluation of the effect of high density culture, gibberellic acid and corm weight on reproductive vegetative traits and yield of **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis
51. Elmi, S., **Behdani, M.A.** and Fallahi, H. R. 2018. Effect of concentration and duration of corm dipping in salicylic acid and potassium nitrate on the growth and yield of **Saffron** (*Corcus sativus* L.). University of Birjand. Faculty of Agriculture. Master's thesis

52. Khavari, M., **Behdani, M.A.** and Fallahi, H. 2018. Growth and yield response of *Plantago ovata* L. to different levels of density and nutrient consumption. University of Birjand. Faculty of Agriculture. Master's thesis
53. Saljooghi, M., **Behdani, M.A.**, Parsa, .S and Naghizadeh, M.R. 2019. Studying the effects of Sulphur, thiobacillus bacteria and manure application on yield and yield components of Canola (*Brassica napus*). University of Birjand. Faculty of Agriculture. Master's thesis
54. Rezaei, Z., **Behdani, M.A.**, Khashei, A. and Samadzadeh, A. 2018. The effect of type and rate of natural zeolite on yield and yield components of proso millet (*Panicum miliaceum* L.). University of Birjand. Faculty of Agriculture. Master's thesis
55. Fayazi, T., **Behdani, M.A.** and Vahidi, M.J. 2018. Land suitability assessment for rapeseed, safflower and cotton plants using FAO assessment methods and hierarchical analysis in the southern region of Sarayan plain. University of Birjand. Faculty of Agriculture. Master's thesis
56. Hasemi, M. and **Behdani, M.A.** Jami alahmadi, M., Fallahi, H.R. 2018. Effect of different levels of manure and zinc sulfate on yield and yield components of common millet (*Panicum miliaceum*). University of Birjand, Faculty of Agriculture . Master's thesis
57. Nakhaee, M., **Behdani, M.A.**, Hedayatizadeh, M. and Asgharipour, M.R. 2018. Greenhouse Tomato Analysis in Zahedan. University of Birjand. Faculty of Agriculture. Master's thesis
58. Faghedi, M., Eslami, S.V. and **Behdani, M.A.** 2018. Investigation of the effects of some soil herbicides on the growth characteristics of **Saffron**. University of Birjand. Faculty of Agriculture. Master's thesis
59. Allahresani, M., **Behdani, M.A.**, Sayarizohan, M.H. and Ramazani, S.H. 2019. Effect of application of different forms of sulfur fertilizer on yield and yield components of spring safflower cultivars. University of Birjand. Faculty of Agriculture. Master's thesis
60. Gerami sadeghian, M., **Behdani, M.A.**, Eslami, S.V. and Aminifard, M.H. 2019. Investigation of the effect of different levels of foliar application of Acadine seaweed and Biomix poultry manure on the growth and yield of **Saffron** (*Crocus sativus* L). University of Birjand. Faculty of Agriculture. Master's thesis
61. Salehinia, S., **Behdani, M.A.**, Sayarri zohan, M.H. and Fallahi, H.R. 2021. Effect of camel manure and manganese sulfate on yield and yield components of foxtail millet (*Setaria italica* L.). University of Birjand. Faculty of Agriculture. Master's thesis
62. Bagian kolemarzi, B. **Behdani, M.A.**, Samadzadeh, A., 2021. The effect of biochar application and irrigation management on yield and yield components of common millet (*Panicum miliaceum* L). University of Birjand. Faculty of Agriculture. Master's thesis
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