

Contact Information



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Research Fields

- Abiotic Stress Tolerance (Drought and salt stress)
- Crop Quality and Yield
- Hybridization (Production of Parental seed)
- Genetic Diversity and Exploration
- Molecular Breeding, Genetic Engineering and Tissue culture
- Specific Crop Improvement such as guar, triticale, quinoa, sesame and etc.
- Marker-Assisted Selection (MAS)
- Precision Phenotyping of Oil seed breeding (Safflower, Sunflower, Sesame, Rapeseed, etc.)
- Medicinal plant breeding (Cumin, Hibiscus, Ajowan, fennel, Savory, Cannabis, etc.)

Education

- **Ph.D.**, Plant Breeding-Biometrical Genetics, University of Tehran, Tehran, Iran, 2011-2015. With a GPA of 16.95 and supervised by Dr. Mohsen Ebrahimi. **Thesis:** Study of allelic diversity and agroecological distribution of vernalization and photoperiod genes in commercial cultivars and promising bread wheat lines
- **M. Sc.**, Plant Breeding, University of Shiraz, Shiraz Iran, 1999-2002. With a GPA of 16.75. and supervised by Dr. Mohammad Taghi Assad. **Thesis:** Evaluation of genetic improvement in yield and yield components of Iranian barley (*Hordeum vulgare* L.) cultivars

Publications

A: Journals

- Mirzaee, M. R., Khodaparast, S. A., Mohseni M., **Ramazani, S. H. R.**, Soltani-Najafabadi, M. 2011. First record of powdery of castor- oil plant (*Ricinus communis* L.) caused by the anamorphic stage of *Leveillula lataurica* in Iran. Australasian Plant Dis. Notes, <https://doi.org/10.1007/s13314011-0013-y>.
- Jouyban, Z., Moosavi, S. G., Seghatoleslami, M. J., **Ramazani, S. H. R.** and Ansarinia, E. 2016. Yield and qualitative traits of sesame as affected by irrigation interval, N fertilizer and superabsorbent. Journal of Medicinal Plants and By-products, 1: 51-57.
- **Ramazani, S. H. R.**, Dadras Moghadam, A. 2010. The comparative advantage of barberry in South Khorasan province for production and export. Journal of Damdar, 226:31-35. [In Persian]
- **Ramazani, S. H. R.**, Ebrahimi, M., Ghazvini, H., Jalal Kamali, M. R., Izadi Darbandi, A. 2015. Growth habit and vernalization requirement in some of Iranian bread wheat cultivars. Biological Forum- An International Journal, 7(1): 1360-1368.
- **Ramazani, S. H. R.** and M. T. Assad. 2008. Evaluation of genetic changes in Iranian bread barley (*Hordeum vulgare* L.) cultivars. Journal of Research and Construction, 79:2-9. [In Persian with an Extended English Summary]
- Azari Nasrabad, A. and **Ramazani, S. H. R.** 2009. The effect of density on yield and its components in lines and cultivars of grain sorghum (*Sorghum bicolor* L.) in Birjand. Iranian Electronical Crop Sciences, 3(2): 107-118. [In Persian with an Extended English Summary]

- Abdipour, M., **Ramazani S. H. R.**, Bavei, V. and Talaei, S. 2013. Effectiveness of canopy temperature and chlorophyll content measurements at different plant growth stages for screening of drought tolerant wheat genotypes. *American-Eurasian J. Agric. & Environ. Sci.*, 13 (10): 1325-1338.
- Azari Nasrabad, A. and **Ramazani, S. H. R.** 2011. Correlation and path analysis in yield and its components in grain sorghum cultivars. *Iranian Electronical Crop Sciences*, 4(2):51-62. [In Persian with an Extended English Summary]
- **Ramazani S. H. R.** 2013. Investigation on the yield and yield components of Iranian promising Sesame (*Sesamum indicum* L.) lines. *Intl. J. Agri. Crop. Sci.* 6 (1):23-26.
- Kaheni, A., **Ramazani, S. H. R.**, Ganjali, H. R. and Mobaser, H. R. 2013. Effect of nitrogen fertilizer and plant density on yield and its components in Cumin (*Cuminum cyminum* L.) in South Khorasan Province. *Intl. J. Agri. Crop Sci.* 6 (5):248-251.
- **Ramazani, S. H. R.** 2016. Vernalization and photoperiod genes in Iranian wheat cultivars. *International Journal of Advanced Biotechnology and Research*, 7(2):579-591.
- **Ramazani, S. H. R.**, Fallahi, H. R., Ghorbany, M., Aghhavani-Shajari, M. 2017. Path and factor analysis of Roselle (*Hibiscus sabdarifa* L.) performance. *Journal of Applied Research on Medicinal and Aromatic Plants* 6 :119-125.
- **Ramazani, S. H. R.**, Ebrahimi, M., Ghazvini, H., Jalal Kamali, M. R., Izadi-Darbandi, A. 2015. Geographical distribution of vernalization genes in Iranian wheat varieties and lines. *Cereal Research*, 5(2):159-175. [In Persian with an Extended English Summary]
- Fallahi, H. R., **Ramazani, S. H. R.**, Taherpour Kalantari, R., Asadian, A.H., Aghhavani shajari, M. 2016. Response of black seed and isabgol medicinal herbs to application of some organic, mineral and biological fertilizers. *Iranian Journal of Field Crop Sciences*. In Press. [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Tajalli, H. and Ghoudsi, M. 2016. Evaluation of grain yield stability of superior triticale genotypes. *Bulgarian Journal of Agricultural Science*, 22(6): 976-981.
- **Ramazani, S. H. R.** 2016. Surveying the relations among traits affecting seed yield in sesame (*Sesamum indicum* L.). *Journal of Crop Science and Biotechnology*, 19(4):303-309.
- Bahmankar, M., Ahmadi Nabati, D., Dehdari, M. and **Ramazani, S. H. R.** 2016. Genetic variation and phylogenetic relationships of safflower using morpho-phenological markers. *Electronic Journal of Biology*, S1: 7-12.
- **Ramazani, S. H. R.** and Tajalli, H. 2016. Analysis of yield and some important agronomic traits of Iranian triticale genotypes in farmer conditions. *Electronic Journal of Biology*, S1:1-6.
- **Ramazani, S. H. R.**, Ghazvini, H. and Jalal Kamali, M. R. 2016. Field-Based evaluation of growth habit in wheat genotypes. *Journal of Applied Research in Agricultural Sciences*, 29(4):43-59. [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Tajjali, H. and Ghaderi M. G. 2017. Correlation and path coefficient analysis for determining interrelationships among grain yield and related characters in Iranian genotypes of triticale. *Rastenievadni nauki (Bulgarian Journal of Crop Science)*, 54(1): 35-39 (Bg).
- Moosavi, S. G. R., **Ramazani, S. H. R.**, Sadeghzadeh Hemayati, S. and Gholizade, H. 2017. Effect of drought stress on root yield and some morpho-physiological traits in different genotypes of sugar beet (*Beta vulgaris* L.). *J. Crop Sci. Biotech.* 20(3): 167-174. <https://doi.org/10.1007/s12892-017-0009-0>.
- **Ramazani, S. H. R.**, Ghazvini, H. and Jalal Kamali, M. R. and Arazmjoo, E. 2017. Allelic distribution in some of dwarfing genes in Iranian wheat (*Triticum aestivum* L.) genotypes. *Journal of Crop Breeding*, In Press. [In Persian with English Summary]
- **Ramazani, S. H. R.** and Mansouri, S. 2017. Investigating the relationships between quantitative traits in advanced sesame lines. *Journal of Crop Breeding*, 23: 58-66. [In Persian with English Summary].
- Abdipour, M., Vaezi, B., Younesi-Hamzekhanlu, M. and **Ramazani, S. H. R.** 2017. Nonparametric phenotypic stability analysis in advanced barley (*Hordeum vulgare* L.) genotypes. *J. Crop Sci. Biotech.* 20(4): 305-314. <https://doi.org/10.1007/s12892-017-0050-0>.
- Abdipour, M. **Ramazani, S. H. R.**, Younessi-Hmazekhanlu, M. and Niazian, M. 2018. Modeling oil content of sesame (*Sesamum indicum* L.) using artificial neural network and multiple linear regression approaches. *Journal American Oil Chemistry Social*, <https://doi.org/10.1002/aocs.12027>.
- **Ramazani, S. H. R.**, Abdipour, M. 2018. Statistical analysis of grain yield in Iranian cultivars of barley (*Hordeum vulgare* L.). *Agricultural Research*, <https://doi.org/10.1007/s40003-018-0360-4>

- Abdipour, M., Younessi Hamzekhanloo, M. **Ramazani, S. H. R.**, and Omid, A. H. 2019. Artificial neural networks and multiple linear regression as potential methods for modeling seed yield of safflower (*Carthamus tinctorius* L.). *Industrial Crops & Products* 127: 185-194. <https://doi.org/10.1016/j.indcrop.2018.10.050>
- **Ramazani, S. H. R.**, Taherpour Kalantari, R. 2019. Evaluating the effect of sowing date and drought stress on morphological and functional characteristics of three genotypes of winter oilseed rape (*Brassica napus* L.). *Acta Agriculturae Slovenica*. <https://doi.org/10.14720/aas.2019.113.1.0>
- Izanloo, A., Zabet, M., **Ramazani, S. H. R.** and Jami, A. 2019. Evaluation of different ecotypes of fennel based on morpho-phenological and quantitative characteristics under water stress conditions. *Journal of Agroecology*, 11(3), 877-892. <https://doi.org/10.22067/jag.v11i3.6462>. [In Persian]
- Falahi, H. R., Taherpour Kalantari, R., Asadian, A. H., Shajari, M. and **Ramazani, S. H. R.** 2018. Effect of different soil fertilizers on growth and yield of two medical plants (Plantago and Black Cumin) and black and white plants. *Iranian Plants Agronomy Sciences* 49 (3): 1-11. [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Fallahi, H. R., Asadian, A. H. 2018. Effect of low irrigation and consumption of different levels of nitrogen fertilizer on the forage characteristics of Kochia plant. *Applied Research of Plant Ecophysiology* 5 (1): 1-15. [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, 2020. Effects of intercropping of triticale cultivars on some morphological, yield, and yield component traits. *Journal of Crops Improvement* 22 (4), 499-512. [In Persian with an Extended English Summary].
- Bahador, M., Moosavi S. G., **Ramazani S. H. R.** 2019. Effect of weed free periods and crop density on morphological traits, yield, and yield components of sesame (*Sesamum indicum* L.). *Plant Protection*, [In Persian]
- **Ramazani, S. H. R.** and A. Izanloo. 2019. Evaluation of drought tolerance of triticale (*X Triticosecale* Wittm. ex A. Camus) genotypes along with bread wheat and barley genotypes. *Acta Agriculturae Slovenica* 113 (2), 337-348.
- Ghorbany, M., **Ramazani, S. H. R.**, Fallahi, H. R., Mousavi Koochi, S. M. 2019. Effect of drought stress and bio-fertilizer on yield and yield components of guar (*Cyamopsis tetragonoloba* (L.) Taub.). *Journal of Medicinal plants and By-product* 8 (1), 13-19. <https://doi.org/10.22092/jmpb.2019.119378>
- Alahresani, M., **Ramazani S. H. R.** 2021. Effects of biological, chemical and animal fertilizers on photosynthetic pigments, yield and yield components of corn 500 single cross. *Journal of Agricultural Science and Sustainable Production* 31 (1), 125-143 [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Ghorbany, M. 2023. Investigating the effects of inoculation of mycorrhizal fungi on yield and yield components of different ecotypes of black seed. *Crop Science Research in Arid Regions* 5 (2), 501-523 [In Persian with an Extended English Summary]. <https://doi.org/10.22034/csrar.2023.302907.1127>
- **Ramazani, S. H. R.** and M. Kargar, 2023. Germination and seedling growth of two canola (*Brassica napus* L.) cultivars under heavy metals. *Environmental Resources Research* 11 (2), 283-294. <https://doi.org/10.22069/jerr.2024.21714.1412>
- **Ramazani, S. H. R.** & Saberi, M.H. 2023. Performance of different genotypes of barley (*Hordeum vulgare* L.) under normal and saline environments. *Journal of Drought and Climate change Research (JDCR)*, 1(2), 41-52. <https://doi.org/10.22077/JDCR.2023.5977.1007>
- Zabet, M., Esmaeilzaei, L., Izanloo, A., **Ramazani, S. H. R.** 2023. Genetic variation and cluster analysis of *Narcissus tazetta* L. genotypes using RAPD and ISSR markers. *Acta agriculturae Slovenica* 119 (1), 1-11. <https://doi.org/10.14720/aas.2023.119.1.2716>
- **Ramazani, S. H. R.**, Alahresani M. 2021. Comparison of germination indices, morpho-physiological and biochemical traits of seeds and seedlings of guar and chickpea under the application of different concentrations of. *Iranian Journal of Seed Sciences and Research* 8 (3), 259-274. [In Persian with an Extended English Summary].
- Hoseynaie, M., Moosavi S. G., **Ramazani, S. H. R.** 2021. Effect of variety, density and weeds interference period on morphophysiological and qualitative traits of cotton (*Gossypium hirsutum* L.). *Iranian Journal of Cotton Researches* 8 (2), 1-18. [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Armoon, F., Behdani, M. A. 2021. Quantifying Guar (*Cyamopsis tetragonoloba* L.) Seed Germination Relative to Temperature. *Iranian Journal of Seed Research*, 7(2): 121-133. <https://doi.org/10.52547/yujs.7.2.121> [In Persian with an Extended English Summary].
- **Ramazani, S. H. R.**, Moshtaghi, R. 2025. Optimizing Callus Induction in Guar (*Cyamopsis tetragonoloba* L.): Impact of Hormonal Compositions and Explant Types. *Agrotechniques in Industrial Crops*, 5(2): 104-110. <https://doi.org/10.22126/atic.2025.11070.1160>

- **Ramazani, S. H. R.**, Khaleghdadi, F., Ghaderi, M.G. 2025. Callus formation in kochia (*Kochia scopora* L.) under different hormone concentration and explant types. *Plant Biotechnology Persa* 7(1), 90-98. <https://doi.org/10.61186/pbp.7.1.13>

B: Conference

- **Ramazani, S. H. R.** 2006. Evaluation of genetic improvement of drought resistance in crop plants. International conference of plant scientists (9th national meeting of plant scientists)- Collage of agriculture, Faisalabad, Pakistan, 27 Feb. to 1 Mars.
- Ghazvini, H., **Ramazani, S. H. R.**, Ebrahimi M., Jalal Kamali M. R., Izadi Darbandi A., Drizigaker S. 2014. Ecogeographical distribution of Vrn-genes in Iranian wheat cultivars. 13th Iranian Congress of Agriculture and Plant Breeding [In Persian]
- Saberi, M. H., Tajali, H., Arazmjoo, M. and **Ramazani, S. H. R.** 2006. Determination of planting date in yield and yield component of rapeseed (*Brassica napus* L.) cultivars in Birjand. International conference of plant scientists (9 th national meeting of plant scientists)- university of agriculture, Faisalabad, Pakistan. 27 Feb. to 1 Mar.
- **Ramazani, S. H. R.** and Assad, M. T. 2006. Genetic improvement in grain yield and associated traits in improved barley (*Hordeum vulgare* L.) cultivars. International conference of plant scientists (9th national meeting of plant scientists)-university of agriculture, Faisalabad, Pakistan. 27 Feb. to 1 Mar.
- **Ramazani, S. H. R.** and Mansouri, S. 2010. Comparison of yield and its components in sesame pure lines in Birjand. The third international conference Oilseeds & Oils Feed-Tehran IRIB International Conference, Tehran. December. [In Persian]
- Jouyban, Z., Mousavi, G. R., Saghatoleslami, J. and **Ramazani, S. H. R.** 2010. The impact of different levels of irrigation, nitrogen and superabsorbent on performance and quality of local mass Sesame. The third international conference Oilseeds & Oils Feed-Tehran IRIB International Conference. Tehran. December. [In Persian]
- **Ramazani, S. H. R.** and Mahmoudi Bojd, H. R. February 2010. The effect of seeding type and fertilization on yield and its components in the tall purslane (*Portulaca Oleracea* L.) in Birjand. Iranian national conference on the development of pharmaceutical industry, Higher Education Center of Imam Khomeini, Tehran, Iran. [In Persian]
- **Ramazani, S. H. R.** and Dadras Moghadam, A. 2010. Factors affecting the export of fennel (anise). Iranian national conference on the development of pharmaceutical industry, Higher Education Center of Imam Khomeini, Tehran, Iran. [In Persian]
- Jouiban, Z., Mousavi, G. R., Saghatoleslami, J. and **Ramazani, S. H. R.** 2011. Evaluation of sesame yield and quality traits in different levels of irrigation, nitrogen and superabsorbent. National Conference of medical plants, Sari University of Agricultural Sciences and Natural Resources. [In Persian]
- Jouiban, Z., Mousavi, G. R., Saghatoleslami, J. and **Ramazani, S. H. R.** 2011. Evaluation of sesame yield and quality traits in different levels of irrigation, nitrogen and superabsorbent. National Conference of medical plants, Sari University of Agricultural Sciences and Natural Resources. [In Persian]
- Jouiban, Z., Mousavi, G. R., Saghatoleslami, J. and **Ramazani, S. H. R.** 2011. The effect of different levels of irrigation, nitrogen and superabsorbent on grain yield and morphological characteristics of sesame in Birjand. National Conference of medical plants, Sari University of Agricultural Sciences and Natural Resources. [In Persian]
- **Ramazani, S. H. R.** 2008. Investigate the genetic improvement of drought tolerance in crops. Conference drought, consequences and ways of dealing with it in Islamic Azad University of Birjand, Birjand. Iran. [In Persian]
- **Ramazani, S. H. R.** and Dadras Moghadam, A. 2008. The comparative advantage of barberry in South Khorasan province of production and export. National Conference of saffron and barberry, Ghaen, Iran. [In Persian]
- **Ramazani, S. H. R.** and Mahmoudabadi, M. R. 2010. Effects of salinity on seed germination of fennel (anise) mass in Birjand. National Conference on Medical Plants and recognition of its economic potential and create jobs. Azad University of Birjand, Birjand, Iran. [In Persian]
- **Ramazani, S. H. R.** and Mahmoudabadi, M. R. 2010. Effects of salinity on seed germination of Ajwain mass in Birjand. National Conference on Medical Plants and recognition of its economic potential and create jobs. Azad University of Birjand, Birjand, Iran. [In Persian]
- **Ramazani, S. H. R.** and Mansouri, S. 2010. A preliminary study on yield and its components in the pure lines of sesame. National Conference on Medical Plants and recognition of its economic potential and create jobs. Azad University of Birjand, Birjand, Iran. [In Persian]

- **Ramazani, S. H. R.** and Mahmoudabadi, M. R. May 2010. The effect of planting date on yield and its components cumin in Birjand. National Conference on Medical Plants and recognition of its economic potential and create jobs. Azad University of Birjand, Birjand, Iran. [In Persian]
- **Ramazani, S. H. R.** and Dadras Moghadam. 2010. Factors affecting the export of fennel (anise). National Conference on Medical Plants and recognition of its economic potential and create jobs. Azad University of Birjand, Birjand, Iran. [In Persian]
- **Ramazani, S. H. R.**, Ebrahimi, M., Ghazvini, H., Jalal Kamali, M. R., Izadi Darbandi, A. 2013. Allelic diversity of genes involved in vernalization and photoperiod in wheat cultivars Iran. First International Congress on Genetics and 13th National Congress of Iran-Tehran. [In Persian]
- **Ramazani, S. H. R.**, Ebrahimi, M., Ghazvini, H., Jalal Kamali, M. R., Izadi Darbandi, A. 2014. Agro-geographic distribution of genes involved in vernalization and photoperiod in Iranian wheat cultivars. First International Congress and the 13th National Congress of Agronomy and Plant Breeding, Karaj, Iran. [In Persian]
- Jouyban, Z., Mousavi, G. R., Saghatoleslami, J. and **Ramazani, S. H. R.** 2011. Evaluate the effects of irrigation, nitrogen and superabsorbent on yield, chlorophyll index and nitrogen fertilizer use efficiency in sesame. [In Persian]
- Mousavi, S. G. R. Saghatoleslami M. J., Yousefi, T., Jouyban, Z., **Ramazani, S. H. R.** and Ansarinya, E. 2017. Effect of irrigation interval and nitrogen levels on yield and yield components of millet. Fourth National Conference on the Application of New Technologies in Engineering Sciences. University of Torbat Heydarieh, Iran. [In Persian]
- **Ramazani, S. H. R.**, Allahresani, M. 2020. The effect of nitrogenous and phosphorous biological fertilizers on the yield and yield components of single cross corn cultivar. 3rd International Conference on Agricultural Engineering, Natural Resources and Environment. Hamadan, Iran. [In Persian]
- **Ramazani, S. H. R.**, Allahresani, M. 2020. Studying the effect of zero-valent iron nanoparticle concentrations on the germination, growth and biochemical indicators of chickpea (*Cicer arietinum* L.) 3rd International Conference on Agricultural Engineering, Natural Resources and Environment Hamadan, Iran. [In Persian].
- **Ramazani, S. H. R.**, 2023. The role of biological stimuli to improve drought tolerance in cereals. The first international conference and the second national conference on modeling and new technologies in water management, Birjand, Iran. [In Persian].
- **Ramazani, S. H. R.**, 2023. Guar, a plant adapted to low water areas and tolerant to drought stress. The first international conference and the second national conference on modeling and new technologies in water management, Birjand, Iran. [In Persian].
- **Ramazani, S. H. R.**, Khaleghdadi F., Ghaderi M.G. 2024. Optimization of callus production in Kochia (*Kochia Scoporia* L.). The First National Conference on Breeding of Medicinal Plants, Kerman, Iran. [In Persian].
- **Ramazani, S. H. R.**, 2024. Laser priming, an effective method for drought tolerance in medicinal plants. First National Conference on Breeding of Medicinal Plants, Kerman, Iran. [In Persian].

C: Books

- **Ramazani, S. H. R.**, Abdipoor, M. 2016. Breeding of Spice Crops (Black Pepper, Cardamom, Ginger and Turmeric). By: K. V. Peter, P. N. Ravindran, K. Nirmal Babu and Minoo Divakaran. (Translated to Persian)
- **Ramazani, S. H. R.** Zabet M. 2022. Triticale (X *Triticosecale* Wittmack): Role and Responses Under Abiotic Stress (Chapter 9). In: Sustainable Remedies for Abiotic Stress in Cereals, Springer Press. P: 209-228.

Rewards & Honours

- Superior researcher, selected by the Governor of South Khorasan province in 2010.
- Superior researcher at University of Applied -Science of South Khorasan province in 2010.
- Superior researcher at University of Birjand on Research Week-2017.
- Superior teacher at University of Birjand on Teacher Day- 2018.
- Superior researcher at University of Birjand on Research Week- 2019.

Roles in Journals and conferences

A. Reviewer

No.	Article/Book	Date	Journal/Publication
1	Potential impact of different led light spectra on callus induction, regeneration and plantlet growth of two cultivars of caladium bicolor	2024	Journal of Horticulture and Postharvest Research
2	Evaluation the phenotypic diversity of some native and foreign grapevine (<i>Vitis vinifera</i> L.) cultivars and genotypes based on morphological, phenological, biochemical and fruit characteristics (Case study: Khuzestan province, south-west of Iran)	2024	Journal of Horticulture and Postharvest Research
3	Reviewing the book: " Transgenic plants (basic concepts, production, analysis and applications)"	2024	University of Birjand
4	Genetic diversity of some Iranian grape cultivars and genotypes (<i>Vitis vinifera</i> L.) using morpho-phenological, bunch and berry traits	2024	Journal of Horticulture and Postharvest Research
5	Optimizing callus regeneration and analyzing in vitro phytochemicals in San Pedro Cactus (<i>Echinopsis pachanoi</i>)	2024	Journal of Horticulture and Postharvest Research
6	The Role of Male Flowers on Pollination and Fruit Set in Olive (<i>Olea europaea</i> L.)	2024	Journal of Horticulture and Postharvest Research
7	Exploring the Application of Stress Modulators and Gibberellic Acid on Morphological Traits, Yield and Yield Components of Safflower (<i>Carthamus tinctorius</i> L.) in Water-Deficient Conditions	2023	Journal of Medicinal plants and By-product
8	Putrescine and IBA Enhanced the Adventitious Root Formation in Damask Roses (<i>Rosa × damascena</i> Mill.) Under in vivo and in vitro Conditions	2023	Journal of Horticulture and Postharvest Research
9	Improvement of Friable Callus Induction of <i>Crocus Sativus</i> L. and Establishment of a Cell Suspension Culture System with High Biomass	2023	Journal of Horticulture and Postharvest Research
10	Exploring the Application of Stress Modulators and Gibberellic Acid on Morphological Traits, Yield Components, and Yield and Yield Components of Safflower (<i>Carthamus tinctorius</i> L.) in Water-Deficient Conditions	2023	Journal of Medicinal plants and By-product
11	Male Sterility and molecular markers associated with male-sterile cytoplasm and male-fertility restorer locus in onion (<i>Allium cepa</i>)	2023	Journal of Horticulture and Postharvest Research
12	Evaluation of genetic diversity in rice (<i>Oryza sativa</i> L.) germplasm associated with morphological traits	2023	Trends in Horticulture (ISSN: 2578-1812)
13	Identification and estimation of lodging in bread wheat genotypes using machine learning predictive algorithms	2023	Plant Methods- Springer Nature
14	Investigation of Genetic Diversity of Dierent Rapeseed (<i>Brassica napus</i> L.) Genotypes and Yield Prediction Using Machine Learning Models	2023	BMC Plant Biology- Nature
15	Reviewing the book: Plant breeding biometry & biotechnology (Translation to Persian)	2023	University of Birjand
16	Effect of biofertilizers (rhizobacteria and mycorrhizal fungi) on growth characteristics of <i>Zygophyllum eurvolerum</i>	2023	Journal of Agricultural science and Technology
17	Heritability and Combining Ability in Half Diallel Cross of Melon (<i>Cucumis Melo</i> L.)	2023	Journal of Horticulture and Postharvest Research
18	Agro-morphological characterization of four varieties of cucumber from <i>Cucumis sativus</i> L. and <i>Cucumis metuliferus</i> E. Mey. Ex Naudin in Senega	2023	Journal of Horticulture and Postharvest Research
19	Heritability And and Combining Ability in in Half Diallel Cross of Melon (<i>Cucumis melo</i> L.)	2022	Journal of Horticulture and Postharvest Research
20	Evaluation of morphological diversity of some tea genotypes in north of Iran by using statistical methods	2022	Journal of Horticulture and Postharvest Research
21	Effect of Self and Cross-Pollination on Fruit Set and Other Characteristics of 'Isfahan' Quince Cultivar	2022	Journal of Horticulture and Postharvest Research
22	Variation of some Diospyros Genotypes in Iran based on Pomological Characteristics	2022	Journal of Horticulture and Postharvest Research
23	Evaluation of short-day onion hybrids for quantity and quality traits	2022	journal of horticulture and post-harvest Research
25	Evaluation of morphological diversity of some tea genotypes in north of Iran by using statistical methods	2022	journal of horticulture and post-harvest Research
27	Effect of Sowing Date and Nitrogen Rate on Morphological Traits, Yield of Seed and Essential Oil of <i>Pulicaria gnaphalodes</i> (Vent.) Boiss.	2021	Journal of Medicinal Plant and By- product
28	Post-harvest quality of new quince cultivar and promising genotype (<i>Cydonia oblonga</i> Mill.) in response to harvesting time and length of the cold storage period	2021	Journal of Horticulture and Postharvest Research
31	Reviewing the book: Principles of plant Breeding (Translation to Persian)	2022	University of Birjand
32	Effect of Sowing Date and Nitrogen Rate on Morphological Traits, Yield of Seed and Essential Oil of <i>Pulicaria gnaphalodes</i> (Vent.) Boiss.	2021	Journal of medicinal plants and by- product
33	Investigation of the relationship between SSR markers and agronomical traits for use in markerassisted selection in saffron	2021	Journal of Horticulture and Postharvest Research
34	Agricultural characteristic performance of local and exotic okra (<i>Abelmoschus esculentus</i> L. Moench) cultivars genotypes in Bangladesh	2020	Journal of Horticulture and Postharvest Research
37	Investigation the Effect of Colchicines, Ethyl methane sulfonate and Gamma Radiation on some Characteristics of <i>Impatiens walleriana</i> Hook	2020	Journal of Horticulture and Postharvest Research
40	Detection of some morpho enzyme traits under saline conditions in two bread wheat (<i>Triticum aestivum</i> L.)	2019	Acta Agriculture Slovenia

B. Editors

- international Journal of Applied Research on Medicinal Plants, ISSN: 2689-7377, Gavin journals

Voluntary Activities

- Oilseeds consultant at the South Khorasan Agricultural and Natural Resources Research Center since 2017.
- Held a lecture and specialized meeting on flour and bread at "the South Khorasan Agricultural Jihad Organization " on the occasion of Bread Day
- **Designed questions** for "the National Education Assessment Organization" entrance exam in genetic engineering, plant breeding, biochemistry and agricultural experiment design.
- Created new fields and expanded postgraduate courses (created a PhD in genetics and plant breeding) Faculty of Agriculture, University of Birjand, Iran

International Collaboration

- **Collaboration with** Egypt with the Faculty of Science - South Valley University - Qena
Collaborator: Dr. Arafat Abdel Hamed Abdel Latef. Professor of Plant Physiology, Department of Botany and Microbiology. Faculty of Science - South Valley University - Qena – Egypt. <https://orcid.org/0000-0001-5244-4832>. Email: moawad76@gmail.com
Output: write a book for Springer Publishing, Chapter 9: Triticale (X *Triticosecale* Wittmack) in Book with title "Role and Responses under Abiotic Stress Sustainable Remedies for Abiotic Stress in Cereal".
- **Collaboration with** The New Zealand Institute for Plant and Food Research
Collaborator: Dr. Izanloo ali, The New Zealand Institute for Plant and Food Research, Plant and Food Research Lincoln: Christchurch, New Zealand, <https://orcid.org/0000-0002-5388-1716>
Output: Zabet, M., Esmailzaei, L., Izanloo, A., Ramazani, S. H. R. 2023. Genetic variation and cluster analysis of *Narcissus tazetta* L. genotypes using RAPD and ISSR markers. *Acta Agriculturae Slovenica* 119 (1), 1-11. <https://doi.org/10.14720/aas.2023.119.1.2716>
- **Collaboration with** Global Wheat Program at CIMMYT: Texcoco, MX.
Collaborator: Dr. Susanne Dreisigacker, Researcher of Global Wheat Program at CIMMYT: Texcoco, MX. <https://orcid.org/0000-0002-3546-5989>.
Output: Conference article, "Ghazvini, H., Ramazani, S. H. R., Ebrahimi M., Jalal Kamali M. R., Izadi Darbandi A., Drizigaker S. 2014. Ecogeographical distribution of Vrn-genes in Iranian wheat cultivars. 13th Iranian Congress of Agriculture and Plant Breeding [In Persian]".

Research Grants

- **Project title:** Optimization of callogenesis from guar plant (*Cyamopsis tetragonoloba* L.) under the hormonal components and explant types. By: **Ramazani, S. H. R.**, Moshtaghi, R.
Institution: University of Birjand, Birjand, Iran.
Project number: 1402/D/24075.
Project amount: 100,000,000 Rials
Year of completion: 2025
- **Project title:** Evaluating the microbial population, mycorrhizal symbiosis and growth of quinoa in deficit and supplemental irrigations under foliar application of glycine betaine. By: Ghorbany, M., Fallahi, H. R., Mahmoodi, S., Ramazani, S. H. R., Aghhavani-Shajari, M.
Institution: University of Birjand, Birjand, Iran.
Project number: 1395/D/2572
Project amount: 30,000,000 Rials
Year of completion: 2016
- **Project title:** Effect of drought stress, mycorrhizal and rhizobium bio-fertilizers on yield and yield components of guar. By: Ghorbany, M., Ramazani, S. H. R., Fallahi, H. R., Mousavi Koochi, S. M.
Institution: University of Birjand, Birjand, Iran.

Project number: 1395/D/23614.
Project amount: 30,000,000 Rials
Year of completion: 2016

- **Project title:** Assessment of terminal drought tolerance of triticale (*X Triticosecale* wittmack) genotypes under field condition. By: Ramazani, S. H. R., Izanloo, A.
Institution: University of Birjand, Birjand, Iran.
Project number: 1395/D/23470.
Project amount: 30,000,000 Rials
Year of completion: 2017
- **Project title:** Evaluation of the effect of planting date and drought stress on morphological and functional traits of three rapeseed cultivars. By: Ramazani, S. H. R., Taherpoor-Kalantari, R.
Institution: University of Birjand, Birjand, Iran.
Project number: 1395/D/24791.
Project amount: 30,000,000 Rials
Year of completion: 2017
- **Project title:** study of agronomic and performance traits in three black seed ecotypes. By: Ramazani, S. H. R., Ghorbany, M.
Institution: Sarchah Amari Khusf Agricultural Joint Stock Company, Khusf, Iran.
Project number: 1397/D/26496
Project amount: 10,000,000 Rials
Year of completion: 2019
- **Project title:** Evaluation of the effect of mixing ratio of new triticale cultivars on morphological and functional traits. By: Ramazani, S. H. R.
Institution: Sarchah Amari Khusf Agricultural Joint Stock Company, Khusf, Iran.
Project number: 1397/D/26026.
Project amount: 10,000,000 Rials
Year of completion: 2019

Work Experiences

- Head of the Applied Science University of South Khorasan- Unit of Agricultural Training Center of South Khorasan, Birjand, Iran, 2010-2012.
- Manager of "Agronomy and Plant Breeding" & "Environmental Engineering" groups, Collage of agriculture, University of Birjand, Sarayan, Iran, 2017- 2021.
- Associated Professor, Collage of agriculture, University of Birjand, Birjand, Iran, 2015- continued.
- Consultant in oilseed projects at Agricultural and Natural Resources Research Center of South Khorasan, Birjand, Iran, 2015 -continued.
- Head and director of Plant Tissue Culture Research Laboratory, Faculty of Agriculture, University of Birjand, Birjand, Iran. 2023 -continued.
- Member of Iranian Genetics Society
- Member of South Khorasan Natural Resources Agricultural Engineering System Organization
- Member of Iranian Agriculture and Plant Breeding Society
- Member of the Specialized Committee on Genetic Engineering and Biotechnology - Academic Working Group of the Indian Ocean Rim Union

Webinars

- Monitoring and improving the quality of bread flour from production to consumption - presented on the occasion of National Wheat and Bread Day. 2024.04.20. South Khorasan Agricultural Jihad Organization.
- Laser: a new method for improving tolerance to abiotic stresses in plants. 2022.12.10. University of Birjand
- Review of hybrid sunflower seed production. 2022.12.08. University of Birjand.
- Guar plant and the results of compatibility research. 2019.12.09. University of Birjand.

- Aeroponic cultivation of saffron. 2019.12.15. University of Birjand.
- Cultivation of the forage and drought-resistant plant Kochia. 2019.12.11. University of Birjand.
- Introduction to genetic software. 2019.12.08. University of Birjand.
- Cultivation of transgenic plants, yes, or no?? 2019.12.16. University of Birjand.

Collaboration with Industry

- Consulting and cooperation with “Sarchah Amari Agricultural Joint Stock Company” in the production of products such as black beans and triticale. Khusf, Iran.
- Production of mother and hybrid sunflower seeds of “Azargol” and “Farrokh” cultivars at the South Khorasan Agricultural and Natural Resources Research Center, Birjand, Iran. 2011-2012.
- Collaboration in introducing the "Sardar" sesame cultivar at the South Khorasan Agricultural and Natural Resources Research Center, Birjand, Iran. 2014.

References

- **Dr. Ebrahimi, Mohsen**, Associated Professor of Plant Breeding, Department of Plant Production and Genetics, University of Tehran, Pakdasht, Iran. Email: mebrahimi@ut.ac.ir
- **Dr. Izanloo, Ali**, Associated Professor of Plant Breeding, The New Zealand Institute for Plant and Food Research, Plant and Food Research Lincoln: Christchurch, New Zealand, <https://orcid.org/0000-0002-5388-1716>. Email: A.Izanloo@birjand.ac.ir

Teaching

NO.	Course name	Field of Study	University name	Date
1	Principles of Statistics	Medical Plants and Aromatics	Applied Sci. & Tech.	2000-2001
2	Principle of Agricultural Statistics and experimental design	Agricultural Mechanization	Applied Sci. & Tech.	2000-2001
3	Ecology of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2001-2002
4	Principle of Agricultural Statistics and experimental design	Agricultural Mechanization	Applied Sci. & Tech.	2001-2002
5	Principles of Statistics	Medical Plants and Aromatics	Applied Sci. & Tech.	2005-2006
6	Principles of Statistics	Medical Plants and Aromatics	Applied Sci. & Tech.	2005-2006
7	Plant Biology	Horticultural Affairs	Applied Sci. & Tech.	2005-2006
8	Agronomy of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2005-2006
9	Agronomy of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2006-2007
10	English Language for Agriculture	Horticultural Affairs	Applied Sci. & Tech.	2006-2007
11	Genetics and Plant Breeding	Horticultural Affairs	Applied Sci. & Tech.	2007-2008
12	Principle of Agricultural Statistics and experimental design	Agricultural Mechanization	Applied Sci. & Tech.	2007-2008
13	Agronomy and Horticulture 2	Medical Plants and Aromatics	Applied Sci. & Tech.	2007-2008
14	Principle of Breeding of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2008-2009
15	Genetics	Medical Plants and Aromatics	Applied Sci. & Tech.	2008-2009
16	Principles of Statistics	Medical Plants and Aromatics	Applied Sci. & Tech.	2008-2009
17	Principle of Breeding of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2009-2010
18	Genetics and Plant Breeding	Horticultural Affairs	Applied Sci. & Tech.	2009-2010
19	Genetics	Medical Plants and Aromatics	Applied Sci. & Tech.	2009-2010
20	Tissue culture of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2009-2010
21	Genetics and Plant Breeding	Horticultural Affairs	Applied Sci. & Tech.	2010-2011
22	Tissue culture of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2010-2011
23	Principle of Breeding of Medical Plants and Aromatics	Medical Plants and Aromatics	Applied Sci. & Tech.	2010-2011
24	Genetics	Flowers and Ornamental Plants	Applied Sci. & Tech.	2010-2011
25	Statistics and Probability	Flowers and Ornamental Plants	Applied Sci. & Tech.	2010-2011
26	Genetics	Medical Plants and Aromatics	Applied Sci. & Tech.	2010-2011
27	Principle of Agricultural Statistics and Experimental design	Horticultural Affairs	Applied Sci. & Tech.	2010-2011
28	Project Course	Medical Plants and Aromatics	Applied Sci. & Tech.	2011-2012
29	Project Course	Medical Plants and Aromatics	Applied Sci. & Tech.	2012-2013
30	Genetics and Laboratory	Agronomy and Plant Breeding	University of Birjand	2004-2005
31	Plant propagation methods	Plant Biology	PNU of Birjand	2006-2007
32	General Pedology	Agricultural Economics	PNU of Birjand	2006-2007
33	Project Course	Medical Plants and Aromatics	Applied Sci. & Tech.	2013-2014
34	Seminar Course	Medical Plants and Aromatics	Applied Sci. & Tech.	2013-2014
35	Genetics and Plant Breeding	Horticultural Affairs	Applied Sci. & Tech.	2014-2015
36	Statistics and Probability	Greenhouse Cultivation	Applied Sci. & Tech.	2014-2015
37	Genetics and Plant Breeding	Greenhouse Cultivation	Applied Sci. & Tech.	2014-2015
38	Principle of Biotechnology	Agronomy and Plant Breeding	University of Birjand	2016-2017
39	Agronomy- Industrial Plants	Agronomy and Plant Breeding	University of Birjand	2016-2017
40	Agricultural Operations	Agronomy and Plant Breeding	University of Birjand	2016-2017
41	Botany	Agronomy and Plant Breeding	University of Birjand	2016-2017
42	Seminar Course	Agronomy and Plant Breeding	University of Birjand	2016-2017
43	Thesis of MSc	Agronomy	Azad University of Zahedan	2009-2010
44	Thesis of MSc	Agronomy	Azad University of Birjand	2010-2011
45	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2016-2017
46	Experimental Design in Agriculture 2	Agronomy and Plant Breeding	University of Birjand	2016-2017
47	General Biology	Agronomy and Plant Breeding	University of Birjand	2016-2017
48	Statistics	Environmental Engineering	University of Birjand	2016-2017
49	Statistics and probabilities	Agronomy and Plant Breeding	University of Birjand	2016-2017
50	Genetics and Laboratory	Agronomy and Plant Breeding	University of Birjand	2016-2017
51	Agricultural Operations	Agronomy and Plant Breeding	University of Birjand	2016-2017
52	Seminar Course	Agronomy and Plant Breeding	University of Birjand	2016-2017
53	Statistics and probabilities	Agronomy and Plant Breeding	University of Birjand	2017-2018
54	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2017-2018
55	Principle of Plant Breeding	Agronomy and Plant Breeding	University of Birjand	2017-2018
56	English for Agricultural Students	Agronomy and Plant Breeding	University of Birjand	2017-2018
57	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2018-2019
58	Experimental Design in Agriculture 2	Agronomy and Plant Breeding	University of Birjand	2018-2019
59	Statistics and probabilities	Agronomy and Plant Breeding	University of Birjand	2018-2019
60	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2018-2019
61	Statistics	Environmental Engineering	University of Birjand	2018-2019
62	Seminar Course	Agronomy and Plant Breeding	University of Birjand	2018-2019
63	Specialized Plant Breeding	Agronomy and Plant Breeding	University of Birjand	2018-2019
64	Plant Biotechnology	Agronomy and Plant Breeding	University of Birjand	2018-2019
65	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2018-2019
66	Principle of Plant Biotechnology	Agronomy and Plant Breeding	University of Birjand	2018-2019
67	Complementary Experimental Design in Agriculture	Agronomy and Plant Breeding	University of Birjand	2019-2020
68	Experimental Design in Agriculture 2	Agronomy and Plant Breeding	University of Birjand	2019-2020
69	Statistics and probabilities	Agronomy and Plant Breeding	University of Birjand	2019-2020
70	Principle of Plant Breeding	Agronomy and Plant Breeding	University of Birjand	2019-2020
71	The Crops Breeding	Agronomy and Plant Breeding	University of Birjand	2019-2020
72	Genetics	Agronomy and Plant Breeding	University of Birjand	2019-2020
73	Statistics	Environmental Engineering	University of Birjand	2019-2020
74	Experimental Design in Agriculture 1	Agronomy and Plant Breeding	University of Birjand	2019-2020
75	Principle of Plant Tissue Culture	Agronomy and Plant Breeding	University of Birjand	2019-2020
76	Principle of Genetic Engineering and Gene Transformation	Agronomy and Plant Breeding	University of Birjand	2019-2020

NO.	Course name	Field of Study	University name	Date
77	Seed breeding and biotechnology (MSc. course)	Plant Production and Genetics	University of Birjand	2019-2020
78	Plant Biochemistry	Plant Production and Genetics	University of Birjand	2019-2020
79	Research Method (MSc. course)	Plant Production and Genetics	University of Birjand	2019-2020
80	Plant Biology	Soil science Engineering	University of Birjand	2019-2020
81	Principle of Plant Biotechnology	Plant Production and Genetics	University of Birjand	2019-2020
82	Introductory of Genomics	Plant Production and Genetics	University of Birjand	2019-2020
83	Skills Training 2 - Plant Biotechnology Operations	Plant Production and Genetics	University of Birjand	2019-2020
84	General Biochemistry	Plant Production and Genetics	University of Birjand	2020-2021
85	Plant Biochemistry	Plant Production and Genetics	University of Birjand	2020-2021
86	Registration and commercialization of plant cultivars (MSc. course)	Plant Production and Genetics	University of Birjand	2020-2021
87	Experimental Design in Agriculture 2	Plant Production and Genetics	University of Birjand	2020-2021
88	Application of biotechnology in crop production (PhD course)	Plant Production and Genetics	University of Birjand	2020-2021
89	New topics in plant breeding (MSc. course)	Plant Production and Genetics	University of Birjand	2020-2021
90	Research Method (MSc. course)	Plant Production and Genetics	University of Birjand	2021-2022
91	Plant Biochemistry (MSc. course)	Plant Production and Genetics	University of Birjand	2021-2022
92	Plant Biology	Soil Science Engineering	University of Birjand	2021-2022
93	Principle of Plant Biotechnology	Plant Production and Genetics	University of Birjand	2021-2022
94	Introductory of Genomics	Plant Production and Genetics	University of Birjand	2021-2022
95	Skills Training 2 - Plant Biotechnology Operations	Plant Production and Genetics	University of Birjand	2021-2022
96	General Biochemistry	Plant Production and Genetics	University of Birjand	2022-2023
97	Application of biotechnology in crop production (PhD course)	Plant Production and Genetics	University of Birjand	2022-2023
98	Principle of Genetic Engineering and Gene Transformation	Plant Production and Genetics	University of Birjand	2022-2023
99	New topics in plant breeding (MSc. course)	Plant Production and Genetics	University of Birjand	2022-2023
100	General Biochemistry	Plant Production and Genetics	University of Birjand	2023-2024
101	Plant Biochemistry (MSc. course)	Plant Production and Genetics	University of Birjand	2023-2024
102	Introductory of Genomics	Plant Production and Genetics	University of Birjand	2023-2024
103	Plant Biology	Soil Science Engineering	University of Birjand	2023-2024
104	Principle of Plant Biotechnology	Plant Production and Genetics	University of Birjand	2023-2024
105	Skills Training 2 - Plant Biotechnology Operations	Plant Production and Genetics	University of Birjand	2023-2024
106	General Biochemistry	Plant Production and Genetics	University of Birjand	2024-2025
107	Plant propagation	Plant Biology	University of Birjand	2024-2025
108	Application of biotechnology in crop production (PhD course)	Plant Production and Genetics	University of Birjand	2024-2025
109	Principle of Genetic Engineering and Gene Transformation	Plant Production and Genetics	University of Birjand	2024-2025