

Web:

Web: <http://asatid.tabrizu.ac.ir/en/pages/default.aspx?bandehhagh>
<https://faculty.tabrizu.ac.ir/bandehhagh/en>
<https://plantenergy.edu.au/research/people/directory/482>
<https://scholar.google.com/citations?user=tGUC3eYAAAAJ&hl=en>
<https://www.researchgate.net/profile/Ali-Bandehhagh>
<https://orcid.org/0000-0002-6846-7534>
<https://www.linkedin.com/in/ali-bandehhagh-4513a1154/>

1. Book Chapters

Bandehhagh, A., Dehghanian, Z., Habibi, Kh. and Abdel Latef, AA. The Role of Secondary Metabolites in *Thymus vulgaris* Under Abiotic Stress. In: Abdel Latef. (ed.). Medicinal Plant Responses to Stressful Conditions. CRC Press. pp.419-436. <https://www.taylorfrancis.com/books/edit/10.1201/9781003242963/medicinal-plant-responses-stressful-conditions-arafat-abdel-hamed-abdel-latef>. DOI: 10.1201/9781003242963.

Dehghanian, Z., **Bandehhagh, A.,** Habibi, Kh., Balilashak, Kh. and Asgari Lajayer, B. Impact of Abiotic Stress on Plant Brassinosteroids. In: Mishra, A. (ed.). Climate Change and Microbiome. Springer Nature. pp.279-298. https://link.springer.com/chapter/10.1007%2F978-3-030-76863-8_14. DOI: 10.1007/978-3-030-76863-8_14.

Bandehhagh, A., Dehghanian, Z., Henry, R. and Anwar Hossain, M. 2021. Salinity Tolerance in Canola: Insights from Proteomic Studies. In: Aminul Islam, A.K.M., Anwar Hossain, M. and Mominul Islam, A.K.M. (eds.). Brassica Breeding and Biotechnology. Intech Open. pp. 85-105. DOI: 10.5772/intechopen.96649. <http://mts.intechopen.com/articles/show/title/salinity-tolerance-in-canola-insights-from-proteomic-studies>.

2. JOURNAL PAPERS

2024

Asl alizade, A., Toorchi, M., **Bandehhagh, A.** 2024. Bioinformatic analysis of physicochemical properties, post-translational modifications and domains of proteins involved in wheat salt tolerance. *Crop Biotechnology*, 13(45): 63-75. doi: 10.30473/cb.2024.70089.1942

2023

Moradi, S., Sarikhani, M. R., Beheshti Ale Agha, A., Reyhanitabar, A., Alavi-kia, S. S., **Bandehhagh, A.**, Sharifi, R. 2023. Consequence of Natural and Long Term Oil Pollution on Microbial Population and Urease Activity of Soil. *Water and Soil*, 37(5): 685-700. doi: 10.22067/jsw.2023.80896.1250.

Kazemi Oskuei, B., **Bandehhagh, A.**, Farajzadeh, D., Asgari Lajayer, B., Shu, W. and Astatkie, T. 2023. Effects of *Pseudomonas Fluorescens* FY32 On Canola (*Brassica Napus* L.) Cultivars Under Drought Stress Induced by Polyethylene Glycol. *Gesunde Pflanzen*. <https://doi.org/10.1007/s10343-023-00958-6>

Bandehhagh, A., Dehghanian, Z., Gougerdchi, V., & Hossain, M.-A. 2023. Selenium: A Game Changer in Plant Development, Growth, and Stress Tolerance, via the Modulation in Gene Expression and Secondary Metabolite Biosynthesis. *Phyton-International Journal of Experimental Botany*, 92(8), 2301-2324. <http://www.techscience.com/phyton/v92n8/53332>.

Kazemi Oskuei, B., Bandehhagh, A., Farajzadeh, D., Asgari Lajayer, B., Rajput, V. D. and Astatkie, T. 2023. Morphological, biochemical, and physiological responses of canola cultivars to drought stress. *Int. J. Environ. Sci. Technol.* <https://doi.org/10.1007/s13762-023-04928-3>.

Shahbazi, S., Toorchi, M., Moghaddam, M., Aharizad, S. and **Bandehhagh, A.** 2023. Effect of salinity stress on the root proteome pattern of spring bread wheat. *Journal of Plant Physiology and Breeding*, 13(1), 51-68. doi: 10.22034/jppb.2023.16406.

Bandehhagh, A. Dehghanian, Z., Gougerdchi, V. and Hossain, MA. 2023. Selenium: A Game Changer in Plant Development, Growth, and Stress Tolerance, via the

Modulation in Gene Expression and Secondary Metabolite Biosynthesis. *Phyton-International Journal of Experimental Botany*, DOI: 10.32604/phyton.2023.028586.

Kazemi Oskuei, B., **Bandehagh, A.**, Farajzadeh, D., Asgari Lajayer, B., Rajput, V. D. and Astatkie, T. 2023. Morphological, biochemical, and physiological responses of canola cultivars to drought stress. *Int. J. Environ. Sci. Technol.* <https://doi.org/10.1007/s13762-023-04928-3>.

2022

Mireki, K., Niknam, G., Kosheshsaba, M., and **Bandehagh, A.** 2022. Effect of the rice white tip nematode *Aphelenchoides besseyi* on growth and reproductive traits of 12 commercial strawberry cultivars under greenhouse conditions. *Iranian Journal of Plant Pathology*, 58(3), 140-157. doi: 10.22034/ijpp.2023.2001865.406

Abbaszadeh, M., Moghaddam, M., Norouzi, M., **Bandehhagh, A.** 2022. Inheritance of agronomic and physiological characteristics of spring wheat (*Triticum aestivum* L.) lines at normal and salinity-stress conditions. *Journal of Plant Physiology and Breeding*, DOI: 10.22034/jppb.2022.47207.1232.

Ghasemi, M., Aharizad, S., Norouzi, N., **Bandehagh, A.** and Azhdari, R. 2022. Path Analysis for grain yield on populations of fennel (*Foeniculum vulgare* M.) under Normal and water deficit stress conditions. *Journal of Crop Ecophysiology*, 16(63): 325-338. doi: 10.30495/JCEP.2022.532664.1294.

Alizadeh, A., Sheikhi-Garjan, A., Ma'mani, L., Hosseini Salekdeh, G. and **Bandehagh, A.** 2022. Ethology of Sunn-pest oviposition in interaction with deltamethrin loaded on mesoporous silica nanoparticles as a nanopesticide. *Chemical and Biological Technologies in Agriculture*, 9, <https://doi.org/10.1186/s40538-022-00296-1>.

Fallahi A., Khakvar, R. and **Bandehagh, A.** 2022. Isolation and identification of halophilic bacteria from saline soils and their effect on salinity tolerance at wheat seedling stage. *Journal of Agricultural Science and Sustainable Production*, 32(1): 175-185.

Alizadeh, A., Sheikhi-Garjan, A., Ma'mani, L., **Bandehagh, A.** and Hosseini Salekdeh, G. 2022. Control of sunn-pest, eurygaster integriceps puton, using deltamethrin nanopesticide. *Applied Entomology and Phytopathology*, 89 (2): 213-223. DOI: 10.22092/JAEP.2022.355757.1410

Shokri Gharelo, R., **Bandehagh, A.** and Anwar Hossain, M. 2022. Proteomic Profiling and Protein-Protein Interaction Network Reveal the Molecular Mechanisms of Susceptibility to Drought Stress in Canola (*Brassica napus* L.). *Phyton-International Journal of Experimental Botany*, DOI: 0.32604/phyton.2022.020431.

Kazemi Oskuei, B., **Bandehagh, A.**, Sarikhani, MR. and Ghasemzadeh, T. 2022. Effect of *Enterobacter* *S16-3* as plant growth-promoting rhizobacteria on drought stress reduction in canola cultivars. *Journal of Agricultural Science and Sustainable Production*, 31(4): 49-65. DOI: 10.22034/SAPS.2021.40180.2498.

2021

Bandehagh, A., Dehghanian, Z., Moharramnejad, S., Aliyari Rad, S., Shirmohammadi, S. and Ashraf, M. 2021. Assessment of heterosis proteins in maize (*Zea mays* L.) leaves by two-dimensional gel electrophoresis. *Plant Gene*, 28: 100331. <https://doi.org/10.1016/j.plgene.2021.100331>.

Kazemi Oskuei, B. and **Bandehagh, A.** 2021. Leaf protein pattern of tolerant and susceptible canola cultivars under drought stress. *Agricultural Biotechnology Journal*, 13(3): 1-24. doi: 10.22103/jab.2021.16617.1264.

Bandehagh, A., Dorani, E., Aliyari Rad, S., Khalili Korani, N. and Moharramnejad, S. 2021. Effect of salinity stress on protein profile of susceptible and tolerant maize (*Zea mays* L.) inbred lines. *Iranian Journal of Crop Sciences*, 23 (2):158-172. URL: <http://agrobreedjournal.ir/article-1-1152-fa.html>.

Mohammadi, S.A., Hamian, S., Moghaddam, M., **Bandehagh, A.**, Gohari, Gh. and Janda, T. 2021. Transcriptional analysis of salt-responsive genes to salinity stress in three salt-tolerant and salt-sensitive Barely cultivars. *South African Journal of Botany*, 141: 457-465. <https://doi.org/10.1016/j.sajb.2021.06.002>.

- Moharramnejad, S., **Bandehhagh, A.** and Shafiei, Y. 2021. Assessment of superoxide dismutase activity, photosynthetic proteins involved and sodium and potassium contents in maize line seedlings under salinity stress. *Journal of Crop Breeding*. 13(37): 185-196.
- Ghasemi, M., Aharizad, S., Norouzi, N., **Bandehhagh, A.** and Azhdari, R. 2021. Fennel populations grouping and evaluation from the agronomic and morphological traits under favorable and limited irrigation conditions. *Journal of Crop Breeding*. 13(37): 85-93.
- Rezaei-Moshaei, M., Dehestani, A., **Bandehhagh, A.**, Pakdin-Parizi, A. Golkar, M. and Heidari-Japelaghi, R. 2021. Recombinant pebulin protein, a type 2 ribosome-inactivating protein isolated from dwarf elder (*Sambucus ebulus L.*) shows anticancer and antifungal activities in vitro. *International Journal of Biological Macromolecules*, 174: 352-361. doi.org/10.1016/j.ijbiomac.2021.01.129.

2020

- Rezaei-Moshaei, M., **Bandehhagh, A.**, Dehestani, A., Pakdin-Parizi, A. and Golkar, M. 2020. Molecular cloning and in-depth bioinformatics analysis of type II ribosome-inactivating protein isolated from *Sambucus ebulus*. *Saudi J Biol Sci*. 27(6):1609-1623. doi: 10.1016/j.sjbs.2020.02.009.
- Bandehhagh, A.**, and Taylor, N.L. 2020. Can alternative metabolic pathways and shunts overcome salinity induced inhibition of central carbon metabolism in crops? *Frontiers in Plant Science*. 11(1072). doi: 10.3389/fpls.2020.01072.

2019

- Dehghanian, Z., **Bandehhagh, A.**, and Dabbagh Mohammadi Nasab, A. 2019. Salinity stress responsive leaf proteins in alfalfa (*Medicago sativa L.*). *Journal of Plant Physiology and Breeding*. 9(1), 147-157. doi: 10.22034/jppb.2019.10403.
- Eyvazlou, S., **Bandehhagh, A.**, Norouzi, M., Toorchi, M., and Shokri Gharelo, R. 2019. Proteomics analysis of canola seeds to identify differentially expressed proteins under salt stress. *Journal of Plant Physiology and Breeding*. 9(1): 83-95. doi: 10.22034/jppb.2019.10386.

- Bandehagh, A.**, Valizadeh, M., Ghaffari, M., Jahangir, F., and Dehghanian, Z. 2019. Pattern of antioxidant enzyme activities under drought stress and exogenous application of proline in sunflower. *Journal of Crop Production*. 12(3), 21-34. doi: 10.22069/ejcp.2020.17020.2267.
- Aliyari Rad, S., **Bandehagh, A.**, Dezhsetan, S., Behnamian, M., and moharramnejad, S. 2019. Leaf proteome analysis of maize hybrid SC704 under salinity stress. *Genetic Engineering and Biosafety Journal*. 8(1): 39-50.
- Bagheban, F., Mohraminajad, S., Lotfi, R., **Bandehagh, A.**, and Karbalaeei, H. 2019. Study of catalase activity and photosynthetic efficiency of maize lines under fusarium contamination (*Fusarium verticillioides*). *Journal of Applied Research in Plant Protection*. 8(3), 13-23.
- Ghasemi, M., Aharizad, S., **Bandehagh, A.**, Norouzi, M., and Azhdari, R. 2019. Evaluation of water deficit stress tolerance in populations of fennel (*foeniculum vulgare m.*) using drought tolerance indices. *Journal of Crop Breeding*. 11(30): 118-125. doi: 10.29252/jcb.11.30.118.
- Bandehagh, A.**, Toorchi, M., Farajzadeh, D., Dehghanian, Z. 2019. Induction of salt tolerance in canola by inoculation with *pseudomonas fluorescens fy32*. *Journal of Agricultural Science and Sustainable Production*, 29(3): 85-94.
- Shokri Gharelo, R., **Bandehagh, A.**, Fattahi, N., Nazarifar, N., Ghorbani, R., and Derakhti Dizaji, M. 2019. In silico study of promoter regions in vacuole-type sodium/hydrogen exchanger genes from canola (*Brassica napus L.*). *Asian Journal of Biological Sciences*, 12: 258-271.
- Hosseini-Ghavam-Abad, L., Asghari, F., **Bandehagh, A.**, Najafipour, S., & Bigdeli, S. 2019. Patient privacy: Awareness and attitudes of Iran University of Medical Sciences medical students. *Medical journal of the Islamic Republic of Iran*, 33 (12), doi:10.34171/mjiri.33.12.
- Kholghi, M., Toorchi, M., **Bandehagh, A.**, Ostendorpb, A., Ostendorpb, S., Hanhart, P. and Kehr, J. 2019. Comparative proteomic analysis of salt-responsive proteins in canola roots by 2-DE and MALDI-TOF MS. *Biochimica et Biophysica Acta-Proteins and Proteomics*, 1867: 227–236.

Dolatabadi, N., Toorchi, M., Valizadeh, M. and **Bandehagh, A.** 2019. The proteome response of salt-sensitive rapeseed (*Brassica napus* L.) genotype to salt stress. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 47(1):17-23.

2018

Bandehagh, A., Toorchi, M., Farajzadeh, D., Dehghanian, Z., and Pirzad, S. 2018. Effect of *Pseudomonas fluorescens* FY32 bacteria on leaf proteome pattern of rapeseed under salinity stress. *Genetic Engineering and Biosafety Journal*. 7(2): 203-216.

Bandehagh A., Alipour Ghorbani Sh., Toorchi M. and Shokri Gharelo, R. 2018. Proteomic profiling analysis of canola seed under salinity stress. *Journal of Plant Researches*, 31 (2): 422-433.

Baghbani, F., Lotfi, R., Moharramnejad, S., **Bandehagh, A.**, Roostaei, M., Rastogi, A. and H.M., Kalaji. 2018. Impact of *Fusarium verticillioides* on chlorophyll fluorescence parameters of two maize lines. *EUROPEAN JOURNAL OF PLANT PATHOLOGY.*, 153 (1): 1-10. <https://doi.org/10.1007/s10658-018-01659-x>.

Ghassemi-Golezani, K., Farhangi Abriz, S. and **Bandehagh A.** 2018. Salicylic acid and jasmonic acid alter physiological performance, assimilate mobilization and seed filling of soybean under salt stress. *Acta Agriculturae Slovenica*, 111 (3): 597-607. DOI:10.14720/aas.2018.111.3.08.

Akbari, M., Mahna, N., Ramesh, K., **Bandehagh, A.** and Mazzuca, S. 2018. Ion homeostasis, osmoregulation, and physiological changes in the roots and leaves of pistachio rootstocks in response to salinity. *Protoplasma*, <https://doi.org/10.1007/s00709-018-1235-z>

Kazemi Oskuei, B., **Bandehagh, A.**, Sarikhani, MR. and Komatsu, S. 2018. Protein profiles underlying the effect of plant growth-promoting rhizobacteria on canola under osmotic stress. *Journal of Plant Growth Regulation*, 37:560–574. DOI 10.1007/s00344-017-9754-y.

Bandehagh, A., Toorchi, M., Farajzadeh, D. and Dorani Uliaie, E., Shokri-Gharelo, R. and Malekpour, A. 2018. Evaluation of the Proteome Profile Changes of Canola Leaf Inoculated With *Pseudomonas Florescence* FY32 under Salinity Stress. *Journal of Crop Breeding*, 9(24): 40-49.

- Nasrollahzade Asl, V., Yusefi, M., Ghosemi, A. and **Bandehagh, A.** 2018. Grain Yield, Yield Components and Relative Water Content in Maize (*Zea mays L.*) under Water Deficit Stress and two Mycorrhizal Fungi. *Journal of Sustainable Agriculture and Production Science*, 27(4): 81-92.
- Dolatabadi, N., Toorchi, M., Valizadeh, M. and **Bandehagh, A.** 2018. The proteomic analysis of leaf in Rapeseed (*Brassica napus L.*) under salt stress. *Journal of Agricultural Biothecnology*, 9(4): 51-64.
- Kholgi, M., Toorchi, M., Bandeh-hagh, A. and Shakiba, MR. 2018. An evaluation of canola genotypes under salinity stress at vegetative stage via morphological and physiological traits. *Pak. J. Bot.*, 50(2): 447-455.

2017

- Shokri-Gharelo, R., **Bandehagh, A.** 2017. Analysis of the Promoter Region of the Gene Encoding Sodium-Hydrogen Exchanger 1 Protein. *Journal of Molecular and Genetic Medicine*, 11(4): 312-313.
- Dolatabadi, N., Toorchi, M., Valizadeh, M. and **Bandehagh, A.** 2017. Proteomic analysis of spring rapeseed leaves under salt stress. *Genetic Engineering and Biosafety*, 6(1): 65-75.
- Shokri-Gharelo, R., **Bandehagh, A.**, Mahmoudi, B. and Moti-Noparvar, P. 2017. In silico study of cis-acting elements revealing the plastid gene involved in oxidative phosphorylation are responsive to abiotic stresses. *Acta Biologica Szegediensis*, 61(2): 179-188.
- Ahmadi, A., Aghababparvin, M., **Bandehagh, A.** and Sadeghzadeh, M.E. 2017. Temporal Variations of Runoff and Sediment Generation during the Growing Season in Rain-Fed Lentil: A Case Study in Tikmehdash Region of Eastern Azerbaijan. *Environmental Erosion Researches*, 23 (3): 91-104.
- Kazemi Oskuei, B., Yin, X., **Bandehagh, A.** and Komatsu, S. 2017. Proteomic analysis of soybean seedling leaf under waterlogging stress in a time-dependent manner. *Biochimica et Biophysica Acta-Proteins and Proteomics*, 1865: 1167-1177. <https://doi.org/10.1016/j.bbapap.2017.06.022>.

- Abdi, N., Dorani Uliaie, E., **Bandehagh, A.** and Aharizad S. 2017. Effect of *Agrobacterium rhizogenesis* on hairy roots induction in fennel (*Foeniculum vulgare* MILLER). Journal of Experimental Biology and Agricultural Sciences, 5(3): 384-391.
- Azizi Dargahlou, S., Dorani Uliaie, E. and **Bandehagh, A.** 2017. Callus induction and plant regeneration from mature embryos of some Iranian wheat (*Triticum aestivum* L.) genotypes. J. Bio. & Env. Sci., 10(5): 275-283.
- Mirzaie, F., Dorani Uliaie, E. and **Bandehagh, A.** 2017. Effect of genotype, explant and plant growth regulators on invitro organogenesis of sunflower (*Helianthus annuus* L.). Journal of Cellular and Molecular Researches, 4 (29): 424-432.
- Nasrollahzade Asl, V., Moharramnejad, S., Yusefi, Y., **Bandehagh, A.** and Ibrahimi, L. 2017. Evaluation of grain yield of Maize (*Zea mays* L.) hybrids under water limitation. Journal of Sustainable Agriculture and Production Science, 27(2): 85-96.
- Hamian, S., Mohammadi, S.A., Moghaddam, M. and **Bandehagh, A.** 2017. Effects of salinity on the DNA methylation pattern in barley shoots. J. Bio. & Env. Sci., 10(1): 60-68.
- Bazyar, M., **Bandehagh, A.** and Farajzadeh, D. 2017. Effect of inoculation of *Pseudomonas fluorescens* FY32 bacteria to reduce the effects of salinity on canola (*Brassica napus* L.). Journal of Crop Production, 9(4): 201-220.

2016

- Shokri Gharelo, R. and **Bandehagh, A.** 2016. The contribution of proteins with binding activity and specific metabolic pathways in tolerating abiotic stress by canola: An in silico study. 5(3):209-218.
- Motie Noparvar, P., **Bandehagh, A.**, Farajzadeh, D. and Dorani Uliaie, E. 2016. Proteome Analysis of canola root inoculated with *Pseudomonas fluorescens* FY32 under salinity stress. Agricultural Biotechnology, 15(2): 95-104.
- Molaei, B., Moghaddam, M., Alavikia, S.S. and **Bandeh-Hagh, A.** 2016. Generation mean analysis for several agronomic and physiologic traits in

- bread wheat under normal and water deficit stress conditions. *Plant Genetic Researches*. 3(2): 1-10.
- Arzanlou, M., Mousavi Mirak, S.S., Bakhshi, M., Khakvar, R. and **Bandehagh, A.** 2016. Inhibitory effects of antagonistic bacteria inhabiting the rhizosphere of the sugarbeet plants, on *Cercosporabeticola*Sacc., the causal agent of Cercospora leaf spot disease on sugarbeet. *Journal of Plant Protection Research*, 56: 6-15. <https://doi.org/10.1515/jppr-2016-0002>.
- Banaei-Asl, F., Farajzadeh, D., **Bandehagh, A.** and Komatsu, S. 2016. Comprehensive proteomic analysis of canola leaf inoculated with a plant growth-promoting bacterium, *Pseudomonas fluorescens*, under salt stress. *Biochimica et Biophysica Acta-Proteins and Proteomics*, 1864: 1222-1236. <https://doi.org/10.1016/j.bbapap.2016.04.013>
- Dolatabadi, N., Toorchi, M., Valizadeh, M. and **Bandehagh, A.** 2016. Effect of salinity stress on some physiological traits of spring rapeseed genotypes at seedling stage. *J. Bio. & Env. Sci.*, 9(6): 135-142.
- Khaleghitabar, M., Bahador, H., **Bandehagh, A.** and Bigdeli, S. 2016. Investigating educational needs of faculty members of basic sciences of faculty of medicine: educational and personal development needs. *Journal of Medical Education*, 15: 115-123.
- Alagoz, SM., Toorchi, M. and **Bandehagh, A.** 2016. Canola seedling response to NaCl stress – a proteomic approach. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 44: 361-366. DOI:10.15835/nbha44210462.
- Shiri, M.R., Moharramnejad, S., Hanifezadeh, M. and **Bandehagh, A.** 2016. Evaluation of yield stability of maize (*Zea mays* L.) influenced by planting date in Moghan region. *Journal of Sustainable Agriculture and Production Science*, 26(2): 203-214.
- Shokri, R., **Bandehagh, A.** and Mahmoudi, B. 2016. In silico study of osmotic stress-responsive proteins in canola (*Brassica napus* L. cv. Sarigol). *Journal of Basic and Applied Research International*, 19: 111-117.

- Shokri, R., Dorani Uliaie, E., **Bandehagh, A.**, khodadadi, E. and Motie Noparvar, P. 2016. Production of therapeutic proteins through plant tissue and cell culture. *Journal of Bioscience and Biotechnology*, 5,: 93-104.
- Shokri, R., **Bandehagh, A.**, Toorchi, M. and Farajzadeh, D. 2016. Canola 2-Dimensional proteome profiles under osmotic stress and inoculation with *Pseudomonas fluorescens* FY32. *Plant Cell Biotechnology and Molecular Biology*, 17: 257-266.
- ZareHagghi, D., Neyshabouri, M., GorjiManoucher, Hassanpour, R. and **Bandehagh, A.** 2016. Growth and development of pistachio seedling root at different levels of soil moisture and compaction in greenhouse conditions. *Soil and Water Research*, DOI: 10.17221/146/2015-SWR.

2015

- Banaei-Asl, F., **Bandehagh, A.**, Dorani Uliaiem, E., Farajzadeh, D., Sakata, K., Mustafa, G. and Komatsu S. 2015. Proteomic analysis of canola root inoculated with bacteria under salt stress. *Journal of Proteomics*, 124: 88-111. DOI: 10.1016/j.jprot.2015.04.009.
- Bazyar, M., **Bandehagh, A.** and Farajzadeh, D. 2015. Evaluation of some antioxidant enzymes activities and metal ion accumulation in canola inoculated with *P. fluorescens* FY32 under salinity stress. *Journal of Crops Improvement*, 16(4): 897-910.
- Bazyar, M., **Bandehagh, A.**, Farajzadeh, D. and Toorchi, M. 2015. Effect of inoculation of *Pseudomonas fluorescens* strain FY32 on some traits in canola cultivars under salt stress in hydroponic system. *Journal of Science and Technology of Greenhouse Culture*, 6: 87-96.
- Behroozivarjavi, M., Valizadeh, M. and **Bandehagh, A.** 2015. Primary antioxidant enzymes and their important role in oxidative stress in plants and mammalian. *Biological Forum*, 7: 148-154.
- Heidari, F., **Bandehagh, A.**, Farajzadeh, D., Kazemi Oskuei, B. and Motie Noparvar, P. 2015. Response of spring canola cultivars (*Brassica napus* L.) inoculated with *P. fluorescens* FY32 to drought stress. *Crop Research*, 50: 55-62.

- Hosseini Ghavam Abad, L., Asghari, F., **Bandehagh, A.**, Bigdeli, S. and Najafpour, S. 2015. Designing a Valid and Reliable Tool to Assess Knowledge and Attitudes of Medical Students of Iran University of Medical Sciences: the Issue of Confidentiality and Disclosure of Patient Information. *Journal of medical education*, 14: 93-100.
- Mirzaie, F., Dorani Ulihaie, E. and **Bandehagh, A.** 2015. Stimulation Effect of AgNO₃ and CoCl₂ as Ethylene Inhibitors on in- Vitro Organogenesis of Sunflower (*Helianthus annuus* L.). *Yuzuncu Yil University Journal of Agricultural Sciences*, 25: 113-118.
- Seyedzavar, J., Norouzi, M., Aharizad, S. and **Bandehhagh, A.** 2015. Relationship between yield and yield components of maize hybrids under different irrigation. *Journal of Crop Ecophysiology*, 9(1): 93-108.
- Alami-Milani, M., Amini, A. and **Bandehagh, A.** 2015. Effect of bio-fertilizers and combination with chemical fertilizers on grain yield and yield components of pinto bean (*Phaseolus vulgaris* L.). *Journal of Sustainable Agriculture and Production Science*, 24(4): 15-29.

2014

- Aghbali, A., Vosoughosseini, S., Baradaran, B., Kalbasi Gharavi, N., **Bandehagh, A.** and Jalili, A. 2014. Evaluation of the cytotoxic activity of hydromethanolic grape seed extract in oral squamous cell carcinoma (KB cell line). *J. Isfahan Dental School*, 6 (9): 489-497.
- Bandehagh A.** 2014. Comparative analysis of proline content in leaves and roots of canola genotypes under lead stress. *Journal of Plant Physiology and Breeding*, 2: 35-45.
- Fallahi-Motlagh, S., Roohparvar, R., Zamanizadeh, H.R. and **Bandehhagh, A.** 2014. Pathotype determination of the *Mycosphaerella graminicola* cause of septoria leaf blotch of wheat in Iran. *Journal of Applied Researches in Plant Protection*, 3(2): 17-28.

- Ghassemi-Golezani, K., Hassanpour, S., **Bandehagh A.** and Farhangi, S. 2014. Seed hydro-priming, a simple way for improving mung-bean performance under water stress. *International Journal of Biosciences*, 4: 12-18.
<http://dx.doi.org/10.12692/ijb/4.12.12-18>.
- Heidari A., **Bandehagh A.** and Toorchi M. 2014. Effect of NaCl stress on chlorophyll content and fluorescence in sunflower (*Helianthus annuus* L.) Lines. *YuzuncuYil University Journal of Agricultural Sciences*, 24: 111-120.
- Miri Kondori, M., Mohammadi, S.A. and **Bandehagh, A.** 2014. Effect of salinity on root characteristics of Sahara 3771 (salt tolerant) and Clipper (salt sensitive) barley varieties. *Cereal Research*, 4(1): 175-184.
- Yazdani Motlag, N., Reyhanitabar, A., Najafi, N. and **Bandehagh, A.** 2014. Effects of combined application of nitrogen and phosphorus on the growth characteristics of rice plants under flooded and periodic saturation conditions. *Water and Soil Science*, 24(3): 145-160.
- Zare Shahneh, F., Valiyari, S., Azadmehr, A., Hajiaghaye, R., **Bandehagh, A.** and Baradaran, B. 2014. In vitro cytotoxic and apoptotic activity of four Persian medicine plants on human leukemia and lymphoma cells. *Asian Pacific Journal of Tropical Disease*, 4: 415-420. DOI: [https://doi.org/10.1016/S2222-808\(14\)60480-1](https://doi.org/10.1016/S2222-808(14)60480-1).

2013

- Aghaz, M. and **Bandehagh, A.** 2013. Phytotoxic effects of cadmium on photosynthesis pigments in dill (*Anethumgraveolens*). *International Journal of Farming and Allied Sciences*, 2 (16): 544-548.
- Aghaz, M., **Bandehagh, A.** 2013. Effect of lead stress on some leaf characteristics in dill (*Anethumgraveolens*) ecotypes. *International Journal of Agronomy and Agricultural Research*, 4 (1): 147-150.
- Aghaz, M., **Bandehagh, A.**, Aghazade, E., Toorchi, M. and Ghassemi- gholezani, K. 2013. Effects of Cadmium Stress on Some Growth and Physiological Characteristics in dill (*Anethumgraveolens*) Ecotypes. *International journal of agriculture: research and review*, 3 (2): 409-413.

- Aghbali, A., Vosough Hosseini, S., Delazar, A., Kalbasi Gharavi, N., Zare Shahneh, F., Orangi, M., **Bandehagh, A.** and Baradaran, B. 2013. Induction of apoptosis by grape seed extract (*Vitisvinifera*) in oral squamous cell carcinoma. *Bosnian Journal of Basic Medical Sciences*, 13 (3): 186-191. DOI: 10.17305/bjbms.2013.2360.
- Bandehagh, A.**, Dorani Uliaie, E. and Hosseini Salekdeh, G. 2013. Proteomic analysis of rapeseed (*Brassica napus L.*) seedling roots under salt stress. *Annals of Biological Research*, 2013, 4 (7):212-221.
- Bandehagh, A.**, Motie Noparvar, P. and Dorani Uliaie, E. 2013. Principles of Protein Folding (review). *Journal of Academia and Industrial Research*, 2(4): 216-220.
- Ghassemi Golezani, K.,Ghassemi, S. and **Bandehhagh, A.** 2013. Effects of water supply on field performance of chickpea (*Cicer arietinum L.*) cultivars. *International Journal of Agronomy and Plant Production*, 4 (1): 94-97.
- Zare Shahneh, F., Babaloo, Z., Baradaran, B., Hamzavi, F., Bayazi, B. and **Bandehagh, A.** 2013. Behcet's Syndrome in Iranian Azari People. *Pakistan Journal of Biological Sciences*, 15, 1045-1047. DOI: 10.3923/pjbs.2012.1045.1047.
- Zare Shahneh, F., Valiyari, S., Azadmehr, A., Hajiaghaee, R., Yaripour, S., **Bandehagh, A.** and Baradaran, B. 2013. Inhibition of Growth and Induction of Apoptosis in Fibrosarcoma Cell Lines by *Echinophora platyloba* DC: *In Vitro* Analysis. *Advances in Pharmacological Sciences*, 2013, DOI:10.1155/2013/512931.
- Zare Shahneh, F., Valiyari, S., Azadmehr, A., Hajiaghaee, R., **Bandehagh, A.** and Baradaran, B. 2013. Cytotoxic activities of *Ferulago angulata* extract on human leukemia and lymphoma cells by induction of apoptosis. *Journal of Medicinal Plants Research*. DOI: <https://doi.org/10.5897/JMPR12.923>.
- Valiyari, S., Baradaran, B., Abdolalizadeh, J., **Bandehagh, A.**, Azadmehr, A. and Hajiaghaee, R. 2013. Inhibitory and cytotoxic activities of *Salvia Officinalis L.* extract on human lymphoma and leukemia cells by induction of apoptosis. *Advanced Pharmaceutical Bulletin*, 3(1): 51-55. DOI: 10.5681/apb.2013.009.
- Zare Shahneh, F.,Hamzavi, F., Bayazi, B., **Bandehagh, A.** and Baradaran, B. 2013. New insights into HLA class I association to Behc,et's syndrome in Iranian Azari patients. *Autoimmun Highlights*, 4: 101-102. DOI: 10.1007/s13317-013-0047-6.

2012

- Aghaz, M., **Bandehagh, A.**, Toorchi, M. and Ghassemi- gholezani, K. 2012. Response of dill (*Anethumgraveolens*) ecotypes to lead stress. International Journal of Agriculture and Crop Sciences, 4(7): 416-420.
- Ghassemi Golezani, K., Akbari, H. and **Bandeh-Hagh, A.** 2012. Effects of plant density and pod position on seed vigour of pinto bean cultivars. Research on Crops, 13 (2): 529-533.

2011

- Bandehagh, A.** and Hosseinzadeh Moghbeli, A.H. 2011. Effects of Salinity on Wheat Genotypes and Their Genotype-Salinity Interaction Analysis. Research on Crops, 12 (1): 13-19.
- Bandehagh, A.**, Hosseini Salekdeh, Gh., Toorchi, M., Mohammadi, S.A., and Komatsu, S. 2011. Comparative proteomic analysis of canola leaves under salinity stress. Proteomics, 11: 1965-1975. DOI: 10.1002/pmic.201000564.
- Heidari, A., Toorchi, M., **Bandehagh, A.** and Shakiba, M.R. 2011. Effect of NaCl Stress on Growth, Water Relations, Organic and Inorganic Osmolytes Accumulation in Sunflower (*Helianthus annuus L.*) Lines. Universal Journal of Environmental Research and Technology, 1(3): 351-362.

≤ 2008

- Bandeh-hagh , A.**, Toorchi, M., Mohammadi, S.A., Chaparzadeh, N., Hosseini Salekdeh, Gh. and Kazemnia, H. 2008. Growth and osmotic adjustment of canola genotypes in response to salinity. Journal of Food, Agriculture and Environment, 6(2): 201-208.
- Bandehagh, A.**, Kazemi, H., Valizadeh, M., Javanshir, A. and Shafagh, J. 2004. Resistance of some spring wheat genotypes (*Triticumaestivum*) to salinity stress at the germination stage. Agricultural Science, 14(4): 133-147.

Shafagh, J., Tajbakhsh, M., Kazemi, H., Valizadeh, M. and **Bandehagh, A.** 2004. Effect of plant densities on some of growth indices and yield of spring wheat (*Triticumaestivum*). *Agricultural Science*, 14(4): 149-161.

Bandehagh, A., Kazemi, H., Valizadeh, M. and Javanshir, A. 2003. Salt tolerance of spring wheat (*Triticumaestivum*) cultivars during vegetative and reproductive growth. *Iranian Journal of Agricultural Sciences*, 35(1): 61-71.

3. PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

2023

Niknam, Gh., Mireki, K., Kooshesh, Saba Ma., and **Bandehagh, A.** 2003. Evaluation of phenotypic response and biochemical variations of different strawberry cultivars cultivated in Kordestan province. *International Conference of Recent Advances in Strawberry*, May 24-25, University of Kurdistan, Sanandaj, Iran. pp. 343-351.

2021

Alizadeh, M., **Bandehagh, A.**, Ma'mani, L., Sheikhi-Garjan, A., Hosseini Salekdeh, G., Gilany, K., and Ghassempour, A. 2021. A novel proteomic approach to diagnosing nanocarrier and nanopesticide effects on plant. *The 10th Asia-Oceania Human Proteome Organization Congress*, June 30- July 2, Busan, Korea. p. 682.

Alizadeh, M., **Bandehagh, A.**, Sheikhi-Garjan, A., Ma'mani, L., and Hosseini Salekdeh, G., Gilany, K., Amini, A., Sarhadi, E. and Ghassempour, A. 2021. Proteomic analysis of wheat exposed to nano-pesticide. *The 21th National & 9th International Congress on Biology*, February 16-19, Semnan University, Semnan, Iran. p. 1-2.

2020

Fallahi A., Khakvar, R. and **Bandehagh, A.** 2020. Induce of salt tolerance in wheat using halophilic bacteria. *The second International Conference on Haloculture (ICH)*,

- June 10-11, National Salinity Research Center (NSRC) and Agricultural Research, Education and Extension Organization (AREEO), Yazd, Iran. p. 11.
- Alizadeh, A., Sheikhi-Garjan, A., Ma'mani, L., **Bandehagh, A.** and Hosseini Salekdeh, G. 2020. Sunn Pest Laying Eggs Number Under the Influence of Nano-pesticide. The 3rd Nanomedicine and Nanosafety Conference, January 25-26, Tehran University of Medical Sciences (TUMS), Tehran, Iran. p. 25.
- Alizadeh, A., Sheikhi-Garjan, A., Ma'mani, L., **Bandehagh, A.** and Hosseini Salekdeh, G. 2020. Phenological Phytotoxicity in Triple Interaction of Sunn Pest, Wheat and Deltamethrin Nanoformulation. The 3rd Nanomedicine and Nanosafety Conference, January 25-26, Tehran University of Medical Sciences (TUMS), Tehran, Iran. p. 38.
- Moharramnejad, S., Baghbani Mehmandar, F. and **Bandehagh, A.** 2020. Impact of *Fusarium verticillioides* on catalase activity into polyacrylamide gel in B73 and MO17 maize lines. The 16th national iranian crop science congress, January 25-27, Ramin Agriculture and Natural Resources University, Ahwaz, Iran. pp. 1-4.

2019

- Aliyari Rad, Sh., **Bandehagh A.** and Dorani uliaie, E. 2019. Leaf proteome analysis of maize inbred lines B73 and MO17 under salinity stress. The 4th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, August 14-16, Tabriz Islamic Art University, Tabriz, Iran. pp. 1-16.
- Bandehagh, A.** Toorchi, M., Farajzadeh, D. and Dehghanian, Z. 2019. Impact of *Pseudomonas fluorescens* FY32 bacteria on pattern of proteins in inoculated canola under salinity stress. The 4th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, August 14-16, Tabriz Islamic Art University, Tabriz, Iran. pp. 1-10.
- Dehghanian, Z., **Bandehagh, A.** and Dabbagh Mohammadi Nassab A. 2019. Antioxidant defense in alfalfa (*Medicago sativa L.*) under salinity stress. The 4th International Congress of Developing Agriculture, Natural Resources, Environment and

- Tourism of Iran, August 14-16, Tabriz Islamic Art University, Tabriz, Iran. pp. 1-10.
- Rezaei Moshaei, M., Dehestani, A., **Bandehagh, A.**, Pakdin Parizi, A. and Golkar, M. 2019. Heterologous expression of ebulin1 ribosome inactivated protein of sambucus ebulus in *E. coli*. The 2th International Conference on Modern Technologies in Sciences, March 13, Amol University of Special Modern Technologies, Amol, Iran. pp. 215-221.
- Bandehagh, A.**, Toorchi, M., Farajzadeh, D. and Dehghanian, Z. 2019. Evaluation of rapeseed inoculated with *Pseudomonas flourescens* FY32 under salinity stress. The 6th National Congress of Biology and Natural Sciences of Ira, February 13, Tehran, Iran. pp. 1-8.
- Dehghanian, Z., **Bandehagh, A** and Dabbagh Mohammadi Nassab, A. 2019. Leaf proteome analysis of alfalfa ecotype Bami under salt stress. The 6th National Congress of Biology and Natural Sciences of Ira, February 13, Tehran, Iran. pp. 1-7.
- Aliyari Rad, Sh., **Bandehagh, A.**, Dezhsetan, D., Behnamian, M. and Moharramnejad, S. 2019. Leaf proteome analysis of maize hybrid SC704 under salt stress. The 6th National Congress of Biology and Natural Sciences of Ira, February 13, Tehran, Iran. pp. 1-8.
- Aliyari Rad, Sh., **Bandehagh, A.** and Dorani Uliaie, E. 2019. Effect of Salinity on Morphological and Some Biochemical Characteristics in maize inbred lines MO17 and B73. The 6th National Congress of Biology and Natural Sciences of Ira, February 13, Tehran, Iran. pp. 1-8.

2018

- Rasouli Oskouei, **P.**, **Bandehagh, A.**, Baghbani Mehmandar, F. and Moharramnejad, S. 2018. Leaf proteome analysis of maize inbred line B73 infected by *Fusarium verticillioides* (Sacc.) Nirenberg. The 15th National Iranian Crop Science Congress, September 4-6, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-5.

- Galavani, A., **Bandehagh, A.**, Baghbani Mehmandar, F. Aharizad, S., and Moharramnejad, S. 2018. Leaf two- dimensional electrophoresis of maize inbred line MO17 inoculated by *Fusarium verticillioides*. The 15th National Iranian Crop Science Congress, September 4-6, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-6.
- Aliyari Rad, Sh., **Bandehagh, A.**, Dezhsetan, S. and Moharramnejad, S. 2018. Effect of salinity stress on morphological traits and pigments in SC704 Maize hybrid. The 15th National Iranian Crop Science Congress, September 4-6, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-4.
- Bandehagh, A.**, Rasouli Oskouei, P., Baghbani Mehmandar, F. and Moharramnejad, S. 2018. Leaf two- dimensional electrophoresis of maize inbred line B73 infected by *Fusarium verticillioides* (Sacc.) Nirenberg. International Agricultural Science Congress, May. 09-12, Yuzuncu Yil University, Van, Turkey. pp. 14-2.

2106

- Azizi, S., Dorani Uliaie, E. and **Bandehagh, A.** 2016. The effect of different components hormone on shooting potential of wheat (*Triticumaestivum*) cultivar Kaskogen. 2th International & 14th National Iranian Crops Science Congress, Aug. 30-Sep. 1, University of Guilan, Rasht , Iran. pp. 1-4.
- Malekpour, A., **Bandehagh, A.**, Farajzadeh, D., Dorani Uliaie, E. and Motie Noparvar, P. 2016. Proteomic response of sensitive cultivar of canola to *Pseudomonas fluorescense* FY32 under saline condition. The 4th International Congress on Applied Research in Agricultural Science, October 12, Tarbiat Modares Uni., Tehran, Iran. pp. 1-8.
- Porsadeg Zenozi, A.A., Dorani Uliaie, E. and **Bandehagh, A.** 2016. The response of immature embryos of spring varieties of wheat (*Triticumaestivum* L.) to callus induction and plant regeneration. 2th International & 14th National Iranian Crops Science Congress, Aug. 30-Sep. 1, University of Guilan, Rasht , Iran. pp. 1-5.

2015

- Amanifar, S., Asadi Khalili, N., Toorchi, M., **Bandehagh, A.**, Aliasghar zad, N. and Zarei, M. 2015. Effect of Pb stress on enzymes mediated in amino acid synthesis of tomato root: two-dimensional electrophoresis approaches. 2nd National Conference on Modern Biological Sciences and Technologies, Jan. 29, Uni. of Malayer, Malayer, Iran. pp.1-6.
- Amanifar, S., Asadi Khalili, N., Toorchi, M., **Bandehagh, A.**, Aliasghar zad, N. and Zarei, M. 2015. Effect of glomus fungus on proteins mediated in disease tolerance of tomato: two-dimensional electrophoresis approaches. 2nd National Conference on Modern Biological Sciences and Technologies, Jan. 29, Uni. of Malayer, Malayer, Iran. pp.1-6.
- Amanifar, S., Asadi Khalili, N., Toorchi, M., **Bandehagh, A.**, Aliasghar zad, N. and Zarei, M. 2015. Effect of Pb stress on enzymes mediated in carbohydrate metabolism of mycorrhizal tomato root: two-dimensional electrophoresis approaches. 2nd National Conference on Modern Biological Sciences and Technologies, Jan. 29, Uni. of Malayer, Malayer, Iran. pp.1-6.
- Bandehagh, A.**, Motie Noparvar, P. and Heidari, A. 2015. Chlorophyll content and chlorophyll fluorescence in canola cultivars in response to salinity. 5th International Conference on Environment and Natural Science (ICENS-2015), October 10, Istanbul, Turkey. pp. 21-24.
- Mokhtari, S., Zehtab Salmasi, S and **Bandehagh, A.** 2015. Evaluation of yield and essential oil of dill (*Anethum graveolens* L.) to mustard (*Brassica juncea* L.) in different intercropping patterns. The 4th National Congress on Medicinal Plants, May 12-13, Tehran, Iran. p. 1.
- Shokri, R., **Bandehagh, A.** and Ghorbani, R. 2015. Bioinformatics analysis of sodium-hydrogen antiporter. First International and 9th National Biotechnology Congress, May 24-26, Shahid Beheshti Uni., Tehran, Iran. pp. 1-4.

2014

- Aghababaparvin, M., Ahmadi, A., **Bandehagh, A.** and Sadeghzadehrehian, M.E. 2014. Effect of seeding density on grain yield and yield components of Kimia cultivar

- of lentil in rainfed condition of Tikmeh-dash region, west Azerbaijan. The Third National Congress on Organic and Conventional Agriculture, August 20-21, University of MohagheghArdabili, Ardabil, Iran. pp. 1-4.
- Ahmadi, A.,Aghababaparvin, M., **Bandehagh, A.** and Sadeghzadehrehian, M.E. 2014. Effect of seeding density on inhabitation of surface runoff in Tikmeh-dash region of east Azerbaijan. The Third National Congress on Organic and Conventional Agriculture, August 20-21, University of MohagheghArdabili, Ardabil, Iran. p. 1.
- Ahmadi, A.,Aghababaparvin, M., **Bandehagh, A.** and Sadeghzadehrehian, M.E. 2014. Roll of rainfed lentil seeding density in natural resource conservation in Tikmeh-dash region. The Third National Congress on Organic and Conventional Agriculture, August 20-21, University of MohagheghArdabili, Ardabil, Iran. pp. 1-4.
- Aziziedargahlu, S., DoraniUliaie, E. and **Bandehagh, A.** 2014. Effect of genotype on callus induction and plant regeneration from mature embryos of wheat (*Triticumaestivum*).The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology Congress, August 26-28,Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-3.
- Bandehagh A.** 2014. Analytical approach to environmental ethics in the Holy Quran. The FirstNational Conference on Tourism, Nature and Geography, Feb. 12, Hamedan, Iran. pp. 1-9.
- Bazyar, M., **Bandehagh, A.** and Farajzadeh, D. 2014. Study of proline and metal ions accumulation of canola cultivars root inoculated with the bacterium *Pseudomonas flourescens* FY32 under salt stress. 13th Iranian soil science congress, January 28-30, ShahidChamran University, Ahvaz, Iran. pp. 1-5.
- Jafari, V., Ahmadi, A., **Bandehagh, A.** and Sadeghzadehrehian, M.E. 2014. Effect of rainfed pea seeding density on runoff generation.13th Congress of Soil Science, Soil Sustainability, Sustainable Production, January 28-30, ShahidChamran University.Ahvaz, Iran. pp. 1-4.
- Jahanghir, F.,Valizadeh, M., **Bandehagh, A.**,Ghaffari, M. and Behroozivarjavi, M. 2014. Effect of drought stress and exogenous application of prolineOn superoxide

- dismutase (SOD) in sunflower hypocotyls. The First International and 13th Iranian Genetics Congress, May 24-26, Shahid Beheshti Uni., Tehran, Iran. pp. 1-5.
- Kazeme Oskuei, B., **Bandehagh, A.** and Heydari F. 2014. Effect of osmotic stress on rapeseed (*Brassica napus*) cultivars inoculated with *Pseudomonas fluorescens* FY32 bacteria. The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology Congress, August 26-28, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-4.
- Mirzaie, F., Dorani Ulihaie, E. and **Bandehagh, A.** 2014. Effects of genotype, explant and plant growth regulators on in vitro organogenesis in sunflower. National Conference on Agricultural Science and Technology, March 6, Malayer University, Malayer, Iran. pp. 1414-1423.
- Motie Noparvar, P. and **Bandehagh, A.** 2014. Proteome analysis of canola root inoculated with *Pseudomonas fluorescens* FY32 under salinity stress. The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology Congress, August 26-28, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-3.
- Mousavi Mirak, S.S., Arzanlou, M., Khakvar, R. and **Bandehagh A.** 2014. Inhibitory potential of fungal antagonism inhibiting rhizosphere of sugar beet. 21th Iranian Plant Protection Congress, Aug. 23-26, Uni. of Urmia, Urmia, Iran. p.1.
- Mousavi Mirak, S.S., Arzanlou, M., Khakvar, R. and **Bandehagh A.** 2014. Inhibitory potential of bacterial antagonism inhibiting rhizosphere of sugar beet. 21th Iranian Plant Protection Congress, Aug. 23-26, Uni. of Urmia, Urmia, Iran. p.1.
- Sarvestani, D., Norouzi, M., Nemati, M., Moghaddam Vahed, M., and **Bandehagh A.** 2014. Effect of salt stress on physiological traits of 32 wheat cultivars. The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology Congress, August 26-28, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-5.
- Sarvestani, D., Norouzi, N., Moghaddam Vahed, M., **Bandehagh, A.** and Aharizad, S. 2014. Investigation of Iranian bread wheat cultivars response to salinity in germination and seedling stage. The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology

- Congress, August 26-28, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-5.
- Shokri, R. and **Bandehagh, A.** 2014. The evaluation of three dimensional structure of delta- pyrroline-5-carboxylate reductase enzyme in plants. The First International & 13th Iranian Crop & Plant Breeding Sciences Congress and 3rd Seed Science and Technology Congress, August 26-28, Seed and Plant Improvement Research Institute, Karaj, Iran. pp. 1-4.

2013

- Banaei-Asl, F., **Bandeh-hagh, A.**, Dorani-Uliae, E. and Farajzadeh, D. 2013. Effect of inoculation of *Pseudomonas fluorescens* FY32 on proline content in different organs of canola cultivars under salt stress. The first national conference on salinity stress in plants and developing strategies for saline agriculture, September 12-13, AzarbaijanShahidMadani University, Tabriz, Iran. pp.851-55.
- Bazyar, M., **Bandehagh, A.**, Farajzadeh, D. and Banaei, F. 2013. Effect of inoculation of *Pseudomonas fluorescens* strain FY32 on some morphological traits in canola cultivars under salt stress. The first national conference on salinity stress in plants and developing strategies for saline agriculture, September 12-13, AzarbaijanShahidMadani University, Tabriz, Iran. pp. 30-36.
- Nyamoradi, Z., **Bandehagh, A.**, Norouzi, M. Farajzadeh, D., & Banaei-Asl, F. 2013. Effect of salinity on some growth parameters of canola cultivars inoculated with the bacterium *Pseudomonas fluorescens* FY32. The first national conference on salinity stress in plants and developing strategies for saline agriculture, September 12-13, AzarbaijanShahidMadani University, Tabriz, Iran. pp. 307-311.
- Safari Ghaleh, S., Dabagh Mohammadi Nasab, A., Shakiba, M.R., NasrollahZadeh, S., **BandehHagh, A.**, Solaymani, S.M.A. and Movahed Poor, F. 2013. Evaluation of yield of intercropping two hybrids of maize with three varieties of soybean. Proceedings of the 1st National Conference on Strategies for Achieving Sustainable Development in Agriculture, Natural Resources and Environment, March 10, Disaster Research Institute of Iran, Tehran, Iran. pp. 1-8.

2012

- Aghaz, M., **Bandehagh, A.**, Toorchi, M. and GhassemiGholezani, K. 2012. Growth indices of dill (*Anethumgraveolens*) under lead stress. Proceedings of the 12th Iranian Crop Sciences Congress, September 4-6, Karaj Branch, Azad University, Karaj, Iran. pp. 1-3.
- Aghaz, M., **Bandehagh, A.**, Toorchi, M. and Ghassemi Gholezani, K. 2012. Effects of lead stress on morphological traits of dill (*Anethumgraveolens*). Proceedings of the 12th Iranian Crop Sciences Congress, September 4-6, Karaj Branch, Azad University, Karaj, Iran. pp. 1-3.
- Aghazadeh, E., **Bandehagh, A.**, Toorchi, M. and GhassemiGholezani, K. 2012. Effects of Cadmium Stress on Some Growth Indices in Dill (*Anethumgraveolens*). Proceedings of the 12th Iranian Crop Sciences Congress, September 4-6, Karaj Branch, Azad University, Karaj, Iran. pp. 1-4.
- Aghazadeh, E., **Bandehagh, A.**, Toorchi, M. and GhassemiGholezani, K. 2012. Response of Dill (*Anethumgraveolens*) Ecotypes to Cadmium Stress. Proceedings of the 12th Iranian Crop Sciences Congress, September 4-6, Karaj Branch, Azad University, Karaj, Iran. pp. 1-4.
- Safari Ghaleh, S., Dabagh Mohammadi Nasab, A., Shakiba, M.R., NasrollahZadeh, S., **BandehHagh, A.** and PartaviGhaleh, J. 2012. Evaluating some morphological characteristic and yield component of three varieties of soybean with intercropping two hybrids of maize. Proceedings of the 6th National Conference on New Ideas in Agriculture, March 1-2, Islamic Azad University, Khorasgan Branch University, Isfahan, Iran. pp. 90-94.

2011

- Bandehagh A.**, Norouzi, M. and Hosseini Salekdeh, Gh. 2011. Proteome analysis of canola seedling roots under salt stress. Abstracts, HUPO 2011, 10th World Congress, 4 - 7 September, Geneva, Switzerland. p. 560.

Heidari, A., Toorchi, M., **Bandehagh, A.** and Shakiba, M.R. 2011. Effect of salinity on ion relations and biochemical characteristics of sunflower (*Helianthus annuus* L.). Proceedings of the 2nd Iranian Conference of Plant Physiology, April 28-29, Yazd University, Yazd, Iran. p. 174.

Hosseinzadeh Moghbeli, A.H., **Bandehagh, A.** and EmaratPardaz J. 2011. Study of genetic diversity in safflower (*Carthamus tinctorius*) genotypes unserrained condition. Proceedings of the 9th Plant Genomics European Meetings, May 4-7, Istanbul, Turkey. p. 29.

Hosseinzadeh Moghbeli, Emarat Pardaz J. and **Bandehagh, A.** 2011. Effects of temperature on 20 triticale (*Triticosecale Wittmack*) lines germination. Proceedings of the 9th Plant Genomics European Meetings, May 4-7, Istanbul, Turkey. p. 29.

2010

Naghavi, M.R., Toorchi, M., Moghaddam, M., Neyshabari, M.R., **Bandehagh, A.** and Pouraboghadare, A.R. 2010. Two-dimensional electrophoresis pattern in rapeseed under osmotic stress. Proceedings of the 1st Specialty Conference on Agricultural Development, Nov. 9-10, Payame Noor University of Ardabil, Ardabil, Iran. p. 242.

Naghavi, M.R., Toorchi, M., Moghaddam, M., Neyshabari, M.R., **Bandehagh, A.** and Pouraboghadare, A.R. 2010. Spring canola response to osmotic stress. Proceedings of the 1st Specialty Conference on Agricultural Development, Nov. 9-10, Payame Noor University of Ardabil, Ardabil, Iran. p. 269.

Safari Ghaleh, S., Dabbagh Mohammadi Nassab, A., Shakiba M.R., Nassrollahzadeh, S. and **Bandehagh, A.** 2010. Studying the advantage of land utilization in intercropping maize and soybean varieties. The 11th Iranian Crop Sciences Congress, July 24-26, Shahid Beheshti Uni., Tehran, Iran. pp. 1590-1593.

≤ 2009

- Bandeh-hagh A.**, Toorchi, M., Mohammadi, S.A. and HosseiniSalekdeh, Gh., 2009, Effects of salinity stress on proteome of rapeseed (*Brassica napus L.*) leaves, Proceedings of the 2nd Iranian Proteomics Congress, 23-24 April, Royan Institute, Tehran, Iran. p.45.
- Khoda Bakhshipour, M., Khosravi, J., Alizadeh, M. and **Bandehagh, A.** 2008. Effects of paddy moisture content, drum speed and feed rate on quantitative damage of crops in axial flow thrasher. Proceedings of the 5th National Conference on Agr. Machinery Eng. & Mechanization, August 27-28, Ferdowsi University of Mashhad, Mashhad, Iran. p. 161.
- Bandeh-hagh A.**, Toorchi, M., Mohammadi, S.A., Chaparzadeh, N., HosseiniSalekdeh, Gh. 2007. Proteomic responses of canola leaves to salinity stress. Molecular cellular Proteomics, Abstract Volume for HUPO 6th Annual world Congress, October 6-10, Seoul, Korea, p. 159.
- Bandeh-hagh A.**, Toorchi, M., HosseiniSalekdeh, Gh., Mohammadi, S.A., Chaparzadeh, N. and Kazemnia, H. 2006. Effect of salinity on osmotic adjustment, cations and proline accumulation in two salt tolerant and sensitive rapeseed (*Brassica napus*) genotypes. Proceedings of the 2nd International Conference of Biology, August 29- 31, Tarbiat Modares University, Tehran, Iran. p. 32.
- Farshbaf Pourabad, R., SafaeiKhorram, M. and **Bandeh-hagh A.** 2006. Effect of feeding from some crop plants and bushes on biological parameters of migratory locust, *Locustamigratoria*(orth.:Acrididae). Proceedings of the 8th European Congress of Entomology, September 17-22, Izmir, Turkey.p. 56.
- Farshbaf Pourabad, R., SafaeiKhorram, M. and **Bandeh-hagh A.** 2006. Determining suitable host plants and food preference for migratory locust, *Locustamigratoria*(orth.:Acrididae). Proceedings of the 8th European Congress of Entomology, September 17-22, Izmir, Turkey.p. 24.
- Bandehagh, A.**, Kazemi, H., Valizadeh, M., Javanshir, A. and Shafagh, J. 2004. Response and sensitivity analysis of wheat (*Triticum aestivum*) genotypes during vegetative and reproductive growth under salinity conditions. Proceedings of the 8th Iranian Crop Sciences Congress, August 24-26, The University of Guilan, Rasht , Iran. p. 226.

- Shafagh, J., Tajbakhsh, M., Kazemi, H., Valizadeh, M. and **Bandehagh, A.** 2004. Effect of varieties and plant densities on some of growth indices and yield of spring wheat (*Triticum aestivum*). Proceedings of the 8th Iranian Crop Sciences Congress, August 24-26, The University of Guilan, Rasht , Iran. p. 163.
- Bandehagh, A.** 2002. Environmental sensitivity analysis of wheat (*Triticum aestivum*) genotypes under salinity conditions. Proceedings of the 5th Crop Sciences Congress, March 4-6, Tabriz Azad University, Tabriz, Iran. pp .29-31.
- Shafagh, J., Tajbakhsh, M., Kazemi, H., Valizadeh, M. and **Bandehagh, A.** 2002. The effect of grain protein content, protein yield, grain yield, biomass and arvest index at different plant densities of spring wheat (*Triticum aestivum*). Proceedings of the 7th Iranian Crop Sciences Congress, August 24-26, Seed and Plant Improvement Institute, Karaj, Iran. pp. 492-493.
- Shafagh, J., Tajbakhsh, M., Kazemi, H., Valizadeh, M., **Bandehagh, A.** and Zad Hassan, E. 2002. Environmental sensitivity analysis of spring wheat (*Triticum aestivum*) cultivars at different plant densities. Proceedings of the 7th Iranian Crop Sciences Congress, August 24-26, Seed and Plant Improvement Institute, Karaj, Iran. p. 187.