

Curriculum Vitae of
Prof. mostafa Valizadeh
University of Tabriz

Dr. Mostafa VALIZADEH

Distinguished Professor of Agriculture in Iran (2000)

Professor, Faculty of Agriculture, University of Tabriz, Iran

Educational Background:

Doctorat D'ETAT and “ Docteur ingenieur “ in genetics ,University of Montpellier II,France .

Teaching Experiences:

Experimental Designs in Agriculture, physiological Genetics, Molecular
Genetics, Quantitative Genetics, Population Genetics

Administrative Responsibilities:

Vice Head Dept. of Crop production and Plant Breeding, Vice Dean of Faculty of Agriculture in Research
affairs,. Head Dept. of Crop. Production and Plant breeding

Head Dept. of Plant Breeding and Biotechnology.

Master and Doctorate Theses Supervision: more than 200 theses

Publications:

Books:12 (In relation with Genetics and Experimental Designs)

Papers:

Journals: 286(134 International and 152 National)

Conferences: 234 (34 International and 200 National)

Research Projects: 9 projects

Research Interests:

Genetic Diversity of plants, Molecular Markers (enzymes, Proteins and DNA)

Awards, Honorary Degrees, Medals and Positions:

Received more than 15 awards or honors from different authorities. Some of them are shown as
below:

National Best Scientific Book (1997)

Distinguished Researcher of University of Tabriz 2002 and (2006), (2009)

Distinguished Professor of Agriculture in Iran (2000),

First level B. S. Student of Agronomy, Tabriz University (1971)

Best University Book in University of Tehran (1998)

Promotion Committee of University of Tabriz (2007)

Promotion committee of University of Mohaghegh Ardabili (2012)

Membership to Scientific Associations:

Member of National Academy of Sciences (Agricultural Branch)

Iranian Society for Biotechnology, Iranian Genetic Society. Head of
Agronomy and plant breeding branch at Academy of science.

Iranian Society of Crop Production and Breeding Sciences.

Editorial board of Scientific Journals:

Agricultural Science (Univ. of Tabriz, Iran), Iranian Journal of Crop Sciences .Iranian Agricultural
Sciences (University of Tehran), Plant Breeding and Physiology. Institute of Iranian dryland, s Journal

1. Valdeyron G. et M. Valizadeh 1976. Identificaion varital du figuier par l,etude du polmorphisme enzymatique. C.R.Acad. Agric. France; 62(3): 170-175.
2. Valizadeh M. 1977. Esterase and acid phospatase polymorphism in fig tree. Biochmical Genetics. 15(11/12):1037-1048.
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3. Valizadeh M., P. Rivals et G. Valdeyron 1977. Utilisation du polymorphisme proteique pour l,etude des varieties de figuier. C.R.Acad. Agric. De France 63(10):641-655.
4. Valizadeh M. et G. Valdeyron 1978. Existence d,une relation entre les allozymes d,une phoshatase et la precocite. C.R.Acad. Science Paris 286: 1881-1884.
5. Valizadeh M. et G. Valdeyron 1979. Importance adaptative du polymorphisme enzymatique chez le figuier, Ficus carica. Ann. Ameliorat. Plantes 29 (2): 213-225.
6. Valderon G., F. Kjellberg, and M. Ibrahim, R. Raymond, M. Valizadeh 1985. A one species one population plant; How does the common fig- tree escapae genetic diversification. Ecological Sceince Nato Asi Series Vol. 5:383-393.
7. Valizadeh M., G. Valdeyron, F. Kjellbreg et M. Ibrahim 1987. Le flux genique chez le figuier; la dispersion par le pollen. Acta Oecologia Plantarum. 8(22): 143-154.
8. Valizadeh M., K. K. Kang, A. Kanno and T. Kameya 1996. Analysis of genetic distance among nine Medicago species by using DNA polymorphism. Breeding Science. Vol 64, No. 1:7-10.
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9. Alizadeh Kh., M. Valizadeh, M. Khosrovshahly, F.R. Khoii and M. Ghadimazadeh. 1999. Inheritance of in-vitro callus production in chickpea. Turkish Journal of Field Crops Vol.

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4 Valdeyron G. et M. Valizadeh 1976. Identification varietale du figuier par l'étude du polymorphisme enzymatique. C.R. Acad. Agric. France; 62(3): 170-175.

10. Monirifar, H., M. Valizadeh, M. Moghaddam and F.R. Khoii. 2000. The effects of seedling selection on mature plant traits in alfalfa (*Medicago sativa* L.). Turkish Journal of Field Crops. Vol. 5 No. 1:16-21.

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11. Payghami, E., S. Massiha, B. Ahray, M. Valizadeh and A. Motallebi. 2001. Enhancement of growth of onion (*Allium cepa* L.) by biological control agent *Trichoderma* spp. Acta Agronomica Hungarica, 49(4): 393-395.

12. Dehghani H., Moghaddam, M.R. Ghannadha, M. Valizadeh and M. Torabi. 2002. Inheritance of the latent period of stripe rust in wheat. J. Genet. Breed. 56: 155-163.

13. Valizadeh M. 2001. Seed storage protein profile of grain legumes grown in Iran, using SDS-PAGE. Journal of Agricultural Science and Technology (JAST-IRAN). Vol 3 No. 4:287-292.

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14. Asghari- Zakaria R., Kazemi H., Aghayev M.Y., Valizadeh M. and H. Moghaddam. 2002. Karyotype and C-banding patterns of mitotic chromosomes in *Henrardia Persica* (Boiss) C.E. Hubb. Caryologia. Vol.55 (4): 289-293.

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15. Gharineh M.H., K. Ghassemi- Golezani, A. Bakhandeh, A. Javanshir and M. Valizadeh. 2003. Effects of seed density and seed quality of wheat cultivars on the growth and development of weeds. Turkish Journal of Field Crops. Vol 8(1): 41-49.

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16. Rabiei, B., M. Valizadeh, B. Ghareyazie and M. Moghaddam. 2004. Evaluation of selection indices for improving rice grain shape. Field Crops Research 89:359-367.

17. Rabiei, B., M. Valizadeh, B. Ghareyazie, M. Moghaddam and A.J. Ali. 2004. Identification of QTLs for rice grain size and shape of Iranian cultivars using SSR markers. Euphytica 137:325-332.

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18. Sedghi, M., M.R. Shakiba, H. Alyari, A. Javanshir and M. Valizadeh. 2005. Effect of Rhizobia, nitrogen and weeds on soybean (*Glycine max*) grain protein and oil content. Turkish Journal of Field Crops Vol 10 (2): 64-72.

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19. Yari khosrowshahi, A., M. Valizadeh, A. Ghassempour, M. KhosrowShahli, H. Naghdibadi, M.R. Dadpour and Y.Omidi: 2006. Improved Taxol production by combination of inducing factors in suspension cell culture of *Taxus baccata*. Cell Biology International, 30: 262-269.

20. Hadi, H. K. Ghassemi- Golozani, F. Rahimzadeh Khoei, M.Valizadeh and MR. Shakiba. 2006. Response of Common Bean (*Phaseolus vulgaris* L.) to different level of shade. *Journal of Agronomy* 5(4): 595-599.

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21. Mahmoodi kordi, F., A. Majd, M.Valizadeh, M.Sheidai and H. Sabaghpur. 2006. A comparative study of chromosome morphology among some genotypes of *Cicer arietinum* L. *Pakistan Journal of Biological Sciences*. 9(7): 1225-1230.
22. Nasrullahzadeh S., K. Ghassemi-Golezani, A. Javanshir, M. Valizadeh and M. R. Shakiba. 2007. Effect of shade stress on ground cover and grain yield of faba bean (*Vicia faba*). *Journal of Food, Agriculture and Environment*. 5(1): 337-340.
23. Mahna, N., R. Dreesen, B. Baghban Kohnehrouz, B. Gharayazie, M. Valizadeh, V. Grigorian and J. Koulmans, 2006. Isolation and characterization of a MADS-box type gene from apple (*Malus x domestica*). *Comm. Appl. Bio. Sci. Chent University*. 71/1: 187-191.
24. Abdulrahmani B., K. Ghassemi-Golezani, M. Valizadeh and V. Feizi Asl. 2007. Seed priming and seedling establishment of barley (*Hordeum vulgare* L.). *Journal of Food, Agriculture and Environment*. 5 (3-4) : 179-184.
25. Zereskhi Nobar L., R. Azerbaijani, M. Valizadeh and S. Hejazi. 2007. Cloning and sequencing of ABC transporter ATP-binding protein encoding gene from *Streptomyces minoensis*. *Biotechnology*.
26. Fotovat, R., M. Valizadeh and Tourchi, 2007. Association between water efficiency components and total chlorophyll content (SPAD) in wheat (*Triticum aestivum*) under well-watered and drought stress conditions. *Journal of Food, Agriculture and Environments*. 5 (3-4) : 221-227.
27. Saadati Bezdi M., R. Farshbaf, M. Valizadeh and M. Yazdanian. 2007. Effect of some mineral compounds on the salivary α -amylase activity of the sunn pest, *Euryaster integriceps* (put). *Turk. Entomol. Derg.* 31(3): 163-173.
28. Ghassemi-Golezani K., P. Sheikhzadeh, and M. Valizadeh. 2008. Effect of hydro priming duration and limited irrigation on field performance of chick pea. *Research Journal of Seed Science*. 1(1): 34-40.
29. Ghassemi-Golezani K., A. A. Aliloo, M. Valizadeh and M. Moghaddam. 2008. Effect of different priming techniques on seed invigoration and seedling establishment of lentil (*Lens culinaris* M.). *Journal of Food, Agriculture and Environment*, 6(2): 222-226.
30. Ghassempour A., M. Noruzi, M. Zanehzaban, Z. Tabebpour, A. Yari Kh. M. Najafi, M. Valizadeh, T. Poursaberi, H. Hekmati, H Naghdiabadi and H. Aboul-Enein. 2008. Purification of paclitaxel isolated from *Taxus baccata* L. Cell culture by microwave-assisted extraction and two-dimensional liquid chromatography. *Journal of Liquid Chromatography and Related Technology*. 31: 382-394.

31. Dadpour M. R., W. Grigorian, A. Nazemieh and M. Valizadeh. 2008. Application of Epi-Illumination light microscopy for study of floral ontogeny in fruit trees. *International Journal of Botany*. 4(1): 49-55.
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33. Panahadeh J., M. Valizadeh, M. Khoroshahly, A. P. Yermishin, F. R. Khoei and N. Mahna. 2008. Microsporogenesis and crossing behavior of a tetraploid, interspecific inter-EBN hybrid potato. *Scientia Horticulturae* 116: 348-353.
34. Ghassemi K., A. Aliloo, M. Valizadeh and M. Hoghaddam. 2008. Effect of hydro and osmo-priming on seed germination and field emergence of lentil. *Not. Bot. Hort. Agrobot. Cluj*. 36(1): 29-33.
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37. Moradi J, Norouzi P., Malboobi M. A., Gharayazie B., Valizadeh M., Mohammadi S.A and Mousavi M. 2009. Enhanced resistance to a lepidopteran pest in transgenic sugar beet plants expressing synthetic cry 1Ab gene. *Euphytica* 165: 333-344.

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39. Toorchi M., Amouzgar M.R., Moghaddam M., Valizadeh M. and Komatsu S. 2009. Evaluation of drought related characters and protein pattern in winter rapeseed genotypes. *International Journal of Applied Agricultural Research*. 4 (1): 63-73.
40. Gassemi K., Khomari S. and Valizadeh M. 2009. Effect of seed and seedling vigor on anti oxidative isozyme activity and cold acclimation capability of winter oilseed rape. *Journal of Food, Agriculture and Env*. 7(3,4): in press.
41. Zare N., Valizadeh, M., Tohidfar M., Mohammadi S.A., Habashi A.A. and Malboobi M.A. 2009. Selection of regenerative genotypes from Iranian alfalfa cultivars. *Intern. Journal of Food, Agriculture and Environment*. 7(3 and 4):567-572.
42. Sofalian O. and Valizadeh M. 2009. Investigation of seed storage proteins in some wild wheat

43. Progenitors using SDS_PAGE and Acid_PAGE .Not.Bot.Hort.Agrobot.Cluj 3(1):179_182.
44. Valizadeh,M.,Mohayeji M.,Yasinzadeh N.,Nasrullazadeh S.and Moghaddam M.2011.Genetic diversity of synthetic alfalfa generations and cultivars using tetrasomic inherited allozyme markers. JAST ,13(3):425-431.

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45. Shahryari R., Gadimor A., Gurbaov E. and Valizade M. 2009. Application of potassium humate to wheat for organic agriculture in Iran. As. J. Food- Ind. Special Issue: 164-168.
46. Lotfollahi P., Haddad I. K., Bagheri H. and Valizadeh M. Zdo.2010., Prostigmatid soil mites of alfalfa fields in Northwest of Iran (east Azerbaijan Prov.) with one genus, subgenus and four species as new records. Mun. Ent. , 5: 1001-1010.

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47. Shahryari R.Valizadeh M.and Mollasadeghi V. 2011. Evaluation of irrigation levels and its impact on quantity and quality performance of wheat. Advance in Environmental Biology. 5(3):
48. Mollasadeghi V.Valizadeh M.Shahryari R.and Imani A.A.2011. Stress tolerance evaluation of drought tolerance of bread wheat genotypes uce indices at presence of potassium humate. Advance in Environmental Biology.10(2):

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51. Shahryari R.,Gadimov A. Gurbanov E.Valizadeh M. and Mollasadeghi V. 2011. Wheat gnotype response to terminal drought at presence of humic fertilizer using stress tolerance indices. Advance in Environmental Biology.5(1):

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52. Ahmadizadeh M. Valizadeh M.Zaefizadeh M. and Shahbazi H. 2011. Evaluation of interaction between genotype and environments in term of germination and seedling growth in durum wheat. Advance in Environmental Biology,5(4):

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53. Ahmadizadeh M.,Valizadeh M.,Zaefizadeh M.and Shahbazi H.2011.Antioxidative protection and electrolyte leakage in durum wheat under drought stress condition. Journal of Applied Sciences Research,7(3):236-246.

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54. Ahmadizadeh M.,Shahbazi H.,Valizadeh M.and Zaefizadeh M.2011.Genetic diversity of durum wheat landraces using multivariate analysis under normal irrigation and drought stress conditions. African Journal of Agricultural Research. 6(10):2294-2302.

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55. Etedali, Baghban, Valizadeh, Gholizadeh & Malboobi, 2011. Genome wide cloning of maize meiotic recombinase Dmc1 and its functional structure through molecular phylogeny. *Genetics and Molecular Research* 10(3):1634-49.

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56. Shahryari, Valizadeh & Mollasadeghi, 2011. Selection based on tolerance of wheat against terminal drought: Focus on Grain yield. *African Journal of Agricultural Research*, 6(19):4494

57. Etedali, Moghaddam, Khosrowshahli, Motallebi, Valizadeh, & Kazemiani 2011. Gene action and heterosis for callus induction and growth from mature embryo culture (*B.napus*). *International J. of Agr.Sci.&Soil Sci.* 1(9):402-407.

58. , Valizadeh, Shahbazi, and Nori, 2011. Behavior of durum wheat genotypes under normal irrigation and drought stress conditions in the green house. *African Journal of Biotechnology* 11(8):1912-1923.

59. Ahmadizadeh, Shahbazi, Valizadeh and Zaefizadeh, 2011. Genetic diversity of durum wheat Landraces using multivariate analysis under normal irrigation and drought stress conditions *African Journal of Agricultural Research*, 6(10):2294-2302.

60. Sabet, Zamani, Lohrasbi, alboobi & Valizadeh, 2012. Functional assessments of an over expressed *Arabidopsis* purple acid phosphatase gene in tobacco plant. *Iranian Journal of Biotechnology* (in press).

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61. Peymaninia Y., Valizadeh M., Shahryari R., Ahmadizadeh M. and Habibpour M. 2012. Relationship among morpho-physiological traits in bread wheat against drought stress at presence of Leonadite derived humic fertilizer under greenhouse condition. *Int.Res.j.appl. Bas.Sci.*, 3(4):822-830.

62. Ahmadi M., Valizadeh M., Toorchi, M., Moghaddam M. and Mohammadzadeh Jalali H. 2012. Analysis of Genetic diversity in improved varieties and Iranian landraces of alfalfa using EST, POX, GOT and MDH allozyme markers. *Journal of Plant Physiology and Breeding* (in press).

63. Ghaffari, M., Toorchi M., Valizadeh M. & Shakiba M.R. 2012. Morphophysiological screening of sunflower inbred lines under drought stress condition. *Turkish Journal of Field Crops*, 12(2):185-190.

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64. Mollasadeghi V., Valizadeh M., Shahryari R. & Imani A.A. 2012. Selection of superior wheat genotypes against end-season drought of Ardabil in the presence of humic fertilizer by utilization of multivariate statistics. *African Journal of Biotechnology*, 11(69):13396-13402.

65. Shahryari R., Valizadeh M., Gadimov A. & Gurbanov E. 2013. In vitro effect of humic fertilizer on activity of nitrate reductase under drought stress mediated through polyethylene durum wheat landraces in drought stress under laboratory and greenhouse conditions. *Current Research Journal of Biological Sciences*. 30: 1-6.

66. Alipour E., Farshbaf R., Valizadeh M. & Mohammadi D. 2013. Evaluation of effects of different experimental compounds on midgut lipase activity in *Galleria mellonella* L. (Lepidoptera : pyralidae), Mun. Ent. Zool. Jan, ...

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67. Ahmadizadeh M., Valizadeh M., Zaefizadeh M., & Shahbazi H. 2012. Recovery response of Durum wheat landraces in drought stress under laboratory and greenhouse conditions. Current research J. of Biological Sciences

68. Marzooghian A., Valizadeh M., Moghaddam M. and Kooshki M. H. 2013. Evaluation of seed storage proteins in common bean by some biplot analysis. International Journal of Bioscience, 3(5): 101-107.

69. Ghaffari M., Toorchi M., Valizadeh M. and Setsuko K. 2013. Differential response of root proteome to drought stress in drought sensitive and tolerant sunflower inbred lines. Functional Plant Biology, 40: 609-617.

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70. Yeghanehpour F., Zehtab S. S., Gassemi G. K., C. and Moeinirad A. 2013. Effect of weeding and by forage and medicinal plant as companion crops on some quality traits of corn. International Journal of Farming and Allied Science. 2(20): 821-825.

71. Valizadeh M., Moharramnegad S., Ahmadi M. and Mohammadzadeh J. H. 2013. Changes in activity profile of some antioxidant enzymes in alfalfa half-sib families under salt stress. J. Agr. Sci. Tech. 15: 801-809.

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72. Ghobishavi H., Dorani U. E., Alavikia S. S. and Valizadeh M., 2014. The effect of plant growth regulators on embryogenic callus induction and regeneration from coleoptile in rice. International Journal of Bioscience. 5(2): 144-120.

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74. Rezaei F., Dorani U. E., Valizadeh M. 2013. Optimization of In vitro Regeneration Protocol for Some Spring and Winter cultivars of canola using different explants. Journal of Academia and Industrial Research. 2(6): 316-320.

75. Yeganeh S. A., Valizadeh M., Aharizad S. and Sabzi M. 2014. Path analysis of grain yield, some morphological traits and essential oil content in different fennel (*Foeniculum vulgare* Mill) populations. Journal of Biodiversity and Environmental Science, 4(5): 10-15.

76. Ahmadi M., Valizadeh M., Toorchi M., Moghaddam M. and Mohammadzadeh J. H. 2012. Analysis of Genetic Diversity in Improved Varieties and Iranian Landraces of Alfalfa Using EST, POX, GOT and MDH Allozyme Markers. Journal of Plant Physiology and Breeding. 2(2): 33-41.

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78. Yazdanian M., Farshbaf P.A.R., Rashidi M.R. Valizadeh M. and Rashtchizadeh N. 2014. Salivary alpha-amylase activity of the stripped *GRAPHOSOMA LINEATUM*: Changes during development. *Munn. Entomol. Zool.* 9(2):774-789.

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79. Sabzi M. Aharizad S. Valizadeh M. and Mohammadi S.A. 2014. Genetic diversity of Iranian indigenous fennel (*Foeniculum vulgare* Mill.) populations using agronomic traits and essential oil. *Journal of Biodiversity and Environmental Science*, 5(2):215-221.

80. Mohayaji M. Moghaddam M Toorchi M., and Valizadeh M. 2014. Combining ability analysis in sunflower hybrids under water stress conditions. *International Journal of Bioscience*. 5(12):364-373.

81. Moharramnejad S. and Valizadeh M. 2014. Assessment of oxidative stress tolerance in red bean (*Phaseolus vulgaris* L.) seedling under salinity. *International Journal of Agronomy and Agricultural Research*. 5(6):49-56.

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83. Nikpour-Rashidabad N. Ghassemi Golezani K., Alizadeh-Salteh S. and Valizadeh M. 2016. Seed pre-treatment effect on seedling emergence, chlorophyll content and plant weight of dill under salt stress. *Journal of Biodiversity and Environmental Sciences (JBES)*. Vol. 9, No. 4: 158-164.

84. Behrouzi Varjovi M., Valizadeh M. and Moghaddam Vahed M. 2016. Effect of Salt Stress and Exogenous Application of Proline on some Antioxidant Enzymes Activity in Barley Cultivars Seedling. *Biological Forum –An International Journal*. 8(2) : 3441.

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89. Nabizadeh H., Valizadeh M., Norouzi M., Toorchi M. and Behrouzi Vajovi. M. 2015. Effect of Different levels of NaCl Salinity on Antioxidant Enzyme's Activity in Seedling of Different Wheat Cultivars. *Biological Forum –An International Journal*. 7(2): 180-186.
90. Behrouzi M., Valizadeh M. and Moghaddam Vahed M. 2015. Changes in activity profile of superoxide dismutase in barley cultivars seedling under salt stress. *Journal of Biodiversity and Environmental Sciences (JBES)*. Vol. 7, No. 1: 350-357.
91. Behrouzi Varjovi M., Valizadeh M. and Bandehagh A. 2015. Primary Antioxidant Enzymes and Their Important Role in Oxidative Stress in Plants and Mammalian. *Biological Forum –An International Journal*. 7(2): 148-154.
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95. Moharramnejad S, Sofalian O, Valizadeh M, Asgri A, Shiri M R. 2015. Proline, glycine betaine, total phenolics and pigment contents in response to osmotic stress in maize seedlings. *J. BioSci. Biotechnol.* 4(3): 313-319.
96. Mabudi Bilasvar H, Zehtab Salmasi S, Valizadeh M, Janmohammadi H, Lotfi R. 2016. Cropping Pattern and Time of Harvest Effects on Essential Oil Content of two Sweet Basil cultivars in Intercropping with Corn. *Advances in Bioresearch*, 7(2): 22-27.
97. Moharramnejad S, Sofalian O, Valizadeh M, Asgri A, Shiri M R. 2016, RESPONSE OF ANTIOXIDANT DEFENSE SYSTEM TO OSMOTIC STRESS IN MAIZE SEEDLINGS, *Fresenius Environmental Bulletin*, 25: 805-811.

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98. Nikpour-Rashidabad N, Ghassemi-Golezani K, Alizadeh-Salteh S, Valizadeh M. 2016. Seed pre-treatment effect on seedling emergence, chlorophyll content and plant weight of dill under salt stress. *Journal of Biodiversity and Environmental Sciences*. 9: 158-164.
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100. Dolatabadi N, Toorchi Ma, Valizadeh M, Bandehagh A. 2016. Effect of salinity stress on some physiological traits of spring rapeseed genotypes at seedling stage. *Journal of Biodiversity and Environmental Sciences*. 9: 135-142.

101. Farajzadeh E, Valizadeh M, Shakiba MReza, Ghaffari M, Moharramnejad S. 2017. RELATIONSHIP BETWEEN ANTIOXIDANT ENZYME ACTIVITIES AND AGRO - PHYSIOLOGICAL TRAITS IN SUNFLOWER LINES UNDER FIELD WATER DEFICIT STRESS, FRESNIUS ENVIRONMENTAL BULLETIN, 26: 2974 – 2982.

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104. Moharramnejad, Sajjad; Sofalian, Omid; Valizadeh, Mostafa; Asgari, Ali; Shiri, MR. 2016. Response of Antioxidant Defense System to Osmotic Stress in Maize Seedling. Fresen. Environ. Bull. 25: 805-818.

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