

A BRIEF CURRICULUM VITAE

Personal Information:

Full Name: Danial Kahrizi (Associate Professor)
Date of Birth: 1 August 1975
Place of Birth: Kermanshah, Kermanshah / IRAN
Nationality: Iranian
Marital Status: Married
Associated Professor in Razi University



Official address:

Agronomy and Plant Breeding Dept., Razi University, Kermanshah, Iran
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Interests: Plant Biotechnology, Plant Breeding, Statistics, Genetics

Education:

2001-2005 Ph.D. Tarbiat Modarres University, Tehran/Iran. Supervisor: Dr. Ali Hatef Salmanian.
1998-2000 M.Sc. Tarbiat Modarres University, Tehran/Iran. Supervisor: Dr. Ahmad Moieni.
1993 – 1997 B.Sc. Razi University, Kermanshah, Iran

Current Position: Associated Professor of Razi University, Kermanshah, Iran.

Honors, Awards, Fellowship, Membership of Professional Societies:

The most superior MSc student in TMU (1999).
The most superior PhD student in TMU (2005).

The First Innovation Festival (2004).

The most superior student in Iran (2005).

The most superior researcher of Razi University during the last six years (from 2006 to 2013).

Member of Iranian Agronomy and Plant Breeding Association.

Member of Iranian Biotechnology Association.

Inventions and patents:

Glyphosate Tolerant Canola. Patent No. 35061. (2006).

Doubled Haplod Production Without Applying Colchicine in Barley (*Hordeum vulgare* L.). Patent No. 49325. (2008).

Designing and Construction of Shattering Meter Device for Canola. Patent No. 60301. (2009).

Phragmites australis amino acid sythase (aroA) mRNA partial cds. Accession number: JN580998 in gene bank (NCBI). In: <http://www.ncbi.nlm.nih.gov/nuccore/jn580998>

Editorial Boards:

Member of Editor Board of:

Gene

Biharean Biologist

Asian Journal of Molecular medicine

Journal of Biological Sciences

Research Journal of Botany

Asian Journal of Biological Sciences

International Journal of Plant Breeding and Genetics

Iranian Plant Genetics

International Journal of Farming and Allied Sciences

Reviewer: Molecular Biology Reports, Plant Biotechnology Reports, Plant Cell Reports, Biharean Biologist, African Journal of Biotechnology, Iranian Journal of Biotechnology, and . . .

International Seminars and congress:

- 2005 - 30th FEBS Congress and 9th IUBMB Conference, Budapest, Hungary. (July 2-7)
- 2007 - 12th International. Rapeseed Congress. Wuhan, Hubei, China. (March 26-30)
- 2006 - 11th IUPAC - International Congress of Pesticide Chemistry. Port Island, Kobe, Japan. (August 6-11).
- 2007 - Plant Canada. (June 10–14)
- 2007 - The Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA). PWTC, Malaysia from (June, 17 – 21)
- 2010 - World Academy of Science, Engineering and Technology. Amsterdam, Netherlands (February 6).
- 2010 - 8th International Symposium on Biocontrol and Biotechnology. Pattaya,, Thailand (October 4-6)
- 2011 - 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research. Antalya. Turkey. (September 3-9)

International Presentations

- Danial Kahrizi, Ali Hatef Salmanian, Afsoon Afshari, Amir Mousavi and Ahmad Moieni, (2005). Substitution of Ala-183 to Thr in 5-enolpyruvylshikimate 3-phosphate synthase of *E. coli* (k12) and Transformation of This Construct to Rapeseed (*Brassica napus*) for Reducing of Glyphosate Affinity. 31th FEBS congress, Budapest, Hungary.
- Ghasempour H.R., Kahrizi D, and Borzoo S, (2007). Plant micropropagation in wild sage (*Salvia multicaulis*). 2007 Plant Canada Congress.
- Danial Kahrizi, Ali Hatef Salmanian, and Amir Mousavi (2007). Substitution of Ala-183 to Thr in 5-enolpyruvylshikimate 3-phosphate synthase of *E. coli* (k12) and Transformation of Rapeseed (*Brassica napus*) with altered gene to tolerance of plant to Glyphosate. 12th International. Rapeseed Congress. China.
- Danial Kahrizi, (2007). Effect of Genotype on Androgenesis and Spontaneous Chromosome Doubling in Barley (*Hordeum vulgare* L.) Isolated Microspore Culture. APaCPA Congress. Malaysia.
- Ali Reza Zebarjadi, Danial Kahrizi, and Ahmad Moieni (2007). Effect of Genotype on Androgenesis and Spontaneous Chromosome Doubling in wheat (*Triticum aestivum* L.). APaCPA Congress. Malaysia.
- Ali Hatef Salmanian, Danial Kahrizi, and Amir Mousavi (2006). Transformation of mutant EPSPS genes of *E. coli* (k12). to rapeseed (*B. napus*) to confer glyphosate resistance. 11th IUPAC International Congress of Pesticide Chemistry. Port Island, Kobe, Japan.

- Kahrizi D., Ghasempour H.R., Zebarjadi, A.R. and Cheraghi, M. (2010). Micropropagation of wild type of yarrow (*Achillea biebersteinii*). 8th International Symposium on Biocontrol and Biotechnology. Pattaya,, Thailand (October 4-6).
- Zebarjadi, A.R., Ghasempour, H.R., Kahrizi D., and Soheilikhah, Zh. (2010). Investigation of effects of plant growth regulators on callus induction in *Carthamus tinctorius*. 8th International Symposium on Biocontrol and Biotechnology. Pattaya,, Thailand (October 4-6).
- Rostami Ahmadvandi, H., Kahrizi D., Mostafaie, A., Sohrabi Babahadi, F. and Kiani, S. (2011). Study of *Peganum harmala* genetic diversity based on Sodium Dodecyl Sulfate Polyacrylamid Gel Electrophoresis (SDS-PAGE) analysis. The 3rd International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2011). Nakhon Ratchasima, Thailand (Jully, 26-29).

Books:

- Kahrizi, D., Arminian, A. and Masumi Asl A. (2011). Second edition. *In vitro* Plant Breeding, Razi University Press.
- Abdoshahi, R., Kahrizi, D. and Mohammadi, R. (2007). Statistics and Probability in Agriculture Sciences. , Razi University Press.
- Ghasempour, H. R., Kahrizi, D. and Mahdiah, N. (2014). New Discussions in Biotechnology. Razi University Press. 4th ed.
- Mohammadi, G., Sadeghi, F. and Kahrizi, D. (2008). Corn. Kermanshah Azad University Press.
- Yari, K. and Kahrizi, D. (2011).The Principle of Biosafety and Good Laboratory Guidelines in Biological Research Laboratories. Extension and Education of Agriculture Press.
- Kahrizi D. and Mirzaei, M. (2012). Induced Androgenic Embryogenesis in Cereals. InTech Publications.

Some M. Sc. and Ph. D. Thesis supervisor

The study of tissue culture, identification of essential constituents and antimicrobial survey of aerial parts *Salvia multicaulis*. (M.Sc. thesis – Saffora Borzoo- 2007- Razi University).

Optimization of tissue culture of *Achillea biebersteinii* and identification of its essential components in Kermanshah. (M.Sc. thesis – Mitra Cheraghi- 2007- Razi University).

Determine drought tolerance genotypes of *Brassica napus* by evaluation of molecular changes of drought tolerance factors. (M.Sc. thesis –Laleh Borjian- 2008- Razi University).

Study on possibility of regeneration and *Agrobacterium rhizogenes* mediated transformation in *Alcea digitata* (M.Sc. thesis – Seyede Zainab Hosseini- 2008- Razi University).

Investigation of genetic diversity based on morphological, physiological and phenological traits in large spike bread wheat (*Triticum aestivum* L.). (M.Sc. thesis – Mehdi Zakizadeh- 2008. Azad University).

Transformation of *Atropa belladonna* by *Agrobacterium rhizogenes* to increase alkaloids. (M.Sc. thesis – Batool Zarei- 2008- Razi University).

Evaluation of drought tolerance in advanced bread wheat genotypes (*Triticum aestivum* L.). (M.Sc. thesis – Mehdi Geravandi- 2009- Razi University).

Study of genotype diversity for remobilization of before flowering stored assimilates under drought stress conditions in hexaploid wheat (*Triticum aestivum* L.). (M.Sc. thesis – Saeed Khosravi- 2009. Azad University).

Study on drought tolerance in winter rape (*Brassica napus* L.) genotypes. (M.Sc. thesis – Zeinab Chaghakaboodi- 2009- Razi University).

Study on *Agrobacterium* – mediated transformation of safflower (*Carthamus tinctorius*) by mutated bacterial aro A gene. (M.Sc. thesis –Mohammad Javad Motamedi- 2010- Razi University).

Isolation, cloning and construction based on RNAi for Δ -12-desaturase gene in rapeseed (*Brassica napus* L.). (M.Sc. thesis –Yazdan Haghi- 2010- Razi University).

Study on effect of cold pretreatment and induction medium upon anther culture in wheat (*Triticum aestivum* L.). (M.Sc. thesis –Neda Mehrabi- 2010- Razi University).

Selection of drought tolerant bread wheat genotypes based on drought resistance indices and physiological traits. (M.Sc. thesis – Tebyan Mirany- 2011- Razi University).

Effect of genotype, cold pretreatment and media composition on anther culture response in barley (*Hordeum vulgare* L.). (M.Sc. thesis –Parastoo Abdi- 2011- Razi University).

Investigation on agrophysiological traits in water deficit and normal conditions in durum wheat. (M.Sc. thesis –Iraj Pirmoradi- 2011- Razi University).

Evaluation of drought tolerance in advanced barley (*Hordeum vulgare* L.) genotypes based on agrophysiologic and experimental characteristics. (M.Sc. thesis – Abedin Ataei- 2011- Razi University).

The study and screen tissue culture clones of sugar beet for resistance to bolting under controlled conditions. (M.Sc. thesis – Ata Nahavandi- 2011. Azad University- Razi University).

Study of protein pattern of Iran compatible kiwifruite in Kermanshah and Northern Iran conditions using two-dimensional electrophoresis. (M. Sc. thesis – Shahram Miraghaee- 2011. Azad University).

Investigation the treatment influence of microelements on the performance, performance components and soybean (Williams variety) protein quantity. (M.Sc. thesis – Kamyar Abdinia- 2011- Razi University).

The effect of phosphorus biofertilizer, planting arrangement and weed interference on quantitative and qualitative of soybean (*Glycin max*). (M.Sc. thesis – Sahar Chatrnor- 2011. Razi University).

Study on variability of bread wheat lines under normal irrigation and terminal drought stress conditions. (M.Sc. thesis – Ali Akbarabadi- 2011. Razi University).

Investigation of genetic diversity of wild wheat germplasm in Iran based on morphological and cytogenetic indices. (M.Sc. thesis – Sajjad Mansouri- 2011. Ilam University).

Isolation, Cloning and sequencing of EPSPS gene sequence between two conserved regions in common reed (*Phragmites australis*). (M.Sc. thesis – Elham Taravat- 2011. Razi University).

Study of Iranian cumin (*Cuminum cyminum*) accessions based on morphological and molecular traits. (M.Sc. thesis – Hossein Rostami Ahmadvandi- 2012. Razi University).

Identification of drought induced proteins in wheat (*Triticum aestivum* L.) tolerant and susceptible genotypes via two-dimensional electrophoresis. (Ph. D. thesis – Ali Mehras Mehrabi- 2012. Azad University).

Isolation and cloning of napin seed specific promoter from rapeseed (*Brassica napus* L.).
(M.Sc. thesis – Maryam Sohrabi- 2012. Razi University).

The comparison of leaf protein patterns between two tolerant and susceptible varieties of wheat under drought stress (PhD thesis, Azad University, Science and Research Branch)

Published Projects

Micropropagation Optimization of seedless *Vitis vinifera* (2012)

Micropropagation of medlar (*Mespilus germanica*, Rosaceae) (2009)

Study on Yield, Yield Components and their relationship of Spring Rapeseed Genotypes (*Brassica napus* L.) in Kermanshah. (2007).

Effect of drought stress on yield and yield component in winter rapeseed (*Brassica napus* L.). (2008).

In vitro screening of durum genotypes for salinity response. (2008).

Study on Genetic variation of seed shattering in spring rapeseed (*Brassica napus* L.).(2008).

The study on possibility of induction of somaclonal variation in tuberose (*Polianthes tuberosa*). (2009).

Investigation of genetic variation for seed and pod shattering in rapeseed (*Brassica napus* L.) in Kermanshah. (2009).

Study on Effects of plant growth regulators upon androgenic haplodiploidization in barley (*Hordeum vulgare*). (2009).

Effect of cold pretreatment and period of preconditioning and inoculation on transformation frequency in Rapeseed (*Brassica napus* L.). (2010).

Effect of Cultivar and Density of Cultured Cotyledons on Shoot Regeneration in Rapeseed (*Brassica napus* L.). (2010).

screening of safflower genotypes for drought conditions based on drought resistance indices. (2010)

Study of (Neuroptera;Chrysopidae) genetic diversity via molecular markers. (2011).

Heritability and Genetic Gain of Some Morpho-physiological Variables of Durum Wheat (*Triticum turgidum* var. durum.). (2011).

Evaluation effect of magnetic field on callus induction derived of embryo culture in genotypes bread wheat. (2011).

Reduction of *aroA* expression in *Brassica rapa* via RNAi technology (2012).

Study on callus induction and biological effects in Loquat (*Eriobotrya japonica* Lindl.). (2012).

Study on Some of Medicinal *Apiaceae* Family via Protein Markers (2012).

Study on protein pattern in some *Peganum harmala* accessions of Iran (2012).

Published papers

1. Kazemi, Kahrizi, D., E., Moradi, M.T., Sorabi., Amini, S., Mousavi, S.A.R., Yari, Kh. and (2016). Association between Manganese Superoxide Dismutase (MnSOD Val-9Ala) genotypes with the risk of generalized aggressive periodontitis disease. Cellular and Molecular Biology. 61 (8): 49-52.
2. Esmaili, F., Kahrizi, D., Mansouri, M., Yari, K., Kazemi, N., Ghaheri, M. (2016). Cell dedifferentiation in *Stevia rebaudiana* as a pharmaceutical and medicinal plant. Journal of Reports in Pharmaceutical Sciences. 5(1): 12-17.
3. Jahangiri, S., and Kahrizi, D. (2015). Study of genetic variation and drought tolerance in commercial rapeseed (*Brassica napus* L.) cultivars. Journal of Genetic Resources. 1(2):73-82
4. Zirgoli, MH., Kahrizi, D. (2015). Effects of end-season drought stress on yield and yield components of rapeseed (*Brassica napus* L.) in warm regions of Kermanshah Province. Biharean Biologist 133-140
5. Kahrizi, D., Rostami-Ahmadvandi, H., Akbarabadi, A. (2015). Feasibility Cultivation of *Camelina* (*Camelina sativa*) as Medicinal-Oil Plant in Rainfed Conditions in Kermanshah-Iran's First Report. Journal of Medicinal Plants and By-products, 2: 215-218.

6. Kazemi, E., Moradi, M.T., Yari, Kh., Mousavi, S.A.R. and Kahrizi, D. (2015). Association between Manganese Superoxide Dismutase (MnSOD Val-9Ala) genotypes with the risk of generalized aggressive periodontitis disease. *Cellular and Molecular Biology*. 61 (8): 49-52.
7. Ismaili,A., Yari, K., Moradi, M.T., Sohrabi, M., **Kahrizi**, D., Kazemi, E., Souri, Z. (2015). IL-1B (C+3954T) Gene Polymorphism and Susceptibility to Gastric Cancer in the Iranian Population. *Asian Pacific Journal of Cancer Privation*, 16 (2): 841-844.
8. Sohrabi, M., Zebarjadi, A., Najaphy, A., **Kahrizi**, D. (2015). Isolation and sequence analysis of napin seed specific promoter from Iranian Rapeseed (*Brassica napus* L.). *Gene*. 563(2): 160-164.
9. Dehghanian, F.,Kay, M., **Kahrizi**, D. (2015). A novel recombinant AzrC protein proposed by molecular docking and in silico analyses to improve azo dye's binding affinity. *Gene*. 569(2): 233–238.
10. Yu, L.,Meng, Y., Shao, C., **Kahrizi**, D. (2015). Are ta-siRNAs only originated from the cleavage site of miRNA on its target RNAs and phased in 21-nt increments? *Gene*, 569(1): 187-194.
11. Soorni, J., **Kahrizi**, D. (2015). Effect of genotype, explant type and 2,4-D on cell dedifferentiation and callus induction in cumin (*Cuminum cyminum* L.) medicinal plant. *Journal of Applied Biotechnology Reports*. 2(3): 265-270.
12. Minaei, H., Kahrizi, D. and Zebarjadi, A. (2015). Effect of Plant Growth Regulators and Explant Type upon Cell Dedifferentiation and Callus Induction in Chickpea (*Cicer arietinum* L.). *Journal of Applied Biotechnology Reports*. 2(2): 241-244.
13. Akbarabadi, A. **Kahrizi**, D. Rezai Zad, A.Ahmadi, G. H. and Ghobadi, M. (2015). Study on traits related to yield in bread wheat genotypes under normal irrigation and water stress conditions. *Iranian Journal of Field Crop Science*. 46(2): 193-206
14. Bardideh, F., **Kahrizi**, D. Ghobadi, M.E. (2015). Interaction between the different irrigation regimes on grain weight and *Nigella sativa* seed essential oil percentage (*Nigella sativa* L.). *Gazi Univertesi Gazi Egitim Fakultesi Tesi Dergisi*. 4(7): 1-11.

15. Bardideh, F., **Kahrizi**, D. Ghobadi, M.E. (2015). Studying Reciprocal Effects of Different Sorts and Regimes of Irrigation on Operation of Seeds and Biologic Nigella Sativa L. Gazi Univertesi Gazi Egitim Fakultesi Tesi Dergisi. 4(7): 1-8.
16. Bardideh, F., **Kahrizi**, D. Ghobadi, M.E. (2015). Investigating the interactions between the different irrigation regimes on the number of branches per plant Nigella Sativa (Nigella sativa L). Gazi Univertesi Gazi Egitim Fakultesi . 4(7): 1-8.
17. Molsaghi, M., Moieni, A. and **Kahrizi**, D. (2014). Efficient protocol for rapid Aloe vera micropropagation. Pharmaceutical Biology. 52(6): 735-739.
18. Taravat, E., Zebarjadi, A.R., **Kahrizi**, D. and Yari, K. (2014). Isolation, cloning and characterization of a partial novel aro A gene in common reed (Phragmites australis). Pharmaceutical Biology. 4: 1-5.
19. Rahimi, A. Mirmoayedi, A.N., **Kahrizi**, D., Abdolshahi, R., Kazemi, E. and Yari, K. (2014). Microsatellite genetic diversity of *Apis mellifera* meda skorikov. Molecular Biology Reports. 41: 7755-7761.
20. **Kahrizi**, D.(2014). Reduction of EPSP synthase in transgenic wild turnip (Brassica rapa) weed via suppression of aroA. Molecular Biology Reports. 41: 8177-8184.
21. Darvishi, E., Kazemi, E., **Kahrizi** , D., Bahraminejad, S., Mansouri, M., Chaghakaboudi, S.R. and Khani, Y. (2014). Optimization of callus induction in Pennyroyal (*Mentha pulegium*). Journal of Applied Biotechnology Reports. 1(3): 97-100.
22. Yari, K., Mirmoayedi A., Marami, M., Kazemi, E. and **Kahrizi**, D., (2013). Genetic diversity analysis of chrysopidae family (insecta, neuroptera) via molecular markers.Molecular Biology Reports. 41:6241-6245.
23. Mirmoayedi A., **Kahrizi**, D., Pani, S., and Yari, K. (2013). Molecular genetic diversity within Myrmeleontidae family. Molecular Biology Reports. 40:639–643.
24. Bardideh, K., **Kahrizi**, D., Ghobadi, M.E. (2013). Character association and path analysis of black cumin (*Nigella sativa* L.) genotypes under different irrigation regimes. Notulae Scientia Biologicae. 5(1):1-5.
25. Falaknaz M, Mehrabi A, **Kahrizi** D, Nasrollah Nejad A, Yari K. (2013). The Molecular Study and Sequence Analysis of Wdhn13 (LEA) Gene in Common, Durum

- Wheat and Their Ancestral Genome Donor Species. *New Cellular and Molecular Biotechnology Journal*. 3 (9) :19-27.
26. Rostami-Ahmadvandi, H., Cheghamirza, K., **Kahrizi**, D. and Bahraminejad, S. (2013). Comparison of morpho-agronomic traits versus RAPD and ISSR markers in order to evaluate genetic diversity among *Cuminum cyminum* L. accessions. *Australian Journal of Crop Science* 7(3):361-367.
 27. Rasouli, H., **Kahrizi**, D. and Ghadernia, P. (2013). Identification of conserved domains and motifs for *TaWdhn13* gene in *Triticum aestivum* by in silico analysis. *Advances in Environmental Biology*, 7(4): 586-590.
 28. **Kahrizi**, D. and Soorni, J. (2013). Study on shoot regeneration and somatic embryogenesis in cumin (*Cuminum cyminum* L.) landraces. *Biharean Biologist*. 7 (1): 37-41.
 29. Mansouri, S., Mehrabi, A.A. and **Kahrizi**, D. (2013). Phylogenetic analysis of SOS1 gene in different species based on coding sequences. *Middle-East Journal of Scientific Research* 14 (9): 1226-1229.
 30. Mansouri, S., Mehrabi, A.A. and **Kahrizi**, D. (2013). Evaluation of genetic diversity of *Aegilops tauschii* accessions using morphological characters. *Journal of Crop Science and Biotechnology* 16 (3): 209-212.
 31. Falaknaz M, Mehrabi A, **Kahrizi** D, Nasrollah Nejad A, Yari K. (2013). The Bioinformatics Study of Wdhn13 Gene in Diploid, Tetraploid and Hexaploid Wheat Cultivar by Using Insilco AFLP Analysis. *New Cellular and Molecular Biotechnology Journal*. 3 (9) :19-27.
 32. Saidi, M., Movahedi, K., Mehrabi, A.A. and **Kahrizi**, D. (2013). Molecular genetic diversity of *Satureja bachtiarica*. *Molecular Biology Reports*. 40:6501–6508. DOI 10.1007/s11033-013-2768-z.
 33. Kakaei M., Mazahery Laghab H., **Kahrizi** D. (2013). Study of Morphological and biochemical to determine the genetic diversity of cultivated Oat (*Avena sativa* L.). *Journal of Agricultural Biotechnology*. 5(2): (In Persian with English summary).
 34. Zarei B., **Kahrizi** D., Mousavi S.A., Nasrollahnezhad Ghomi A.A. (2013). *Agrobacterium rhizogense* - mediated transformation of *Atropa belladonna* *Journal of Agricultural Biotechnology*. 5(2): (In Persian with English summary).

35. **Kahrizi**, D., Cheghamirza, K., Akbari, L. and Rostami-Ahmadvandi, H. (2013). Effects of magnetic field on cell dedifferentiation and callus induction derived from embryo culture in bread wheat (*Triticum aestivum*. L) genotypes. *Molecular Biology Reports*. 40: 1651-1654. DOI 10.1007/s11033-012-2214-7.
36. Zarei, B., **Kahrizi**, D., Pour Aboughadareh, A. and Sadeghi, F. (2012). Correlation and path coefficient analysis for determining interrelationships among grain yield and related characters in corn hybrids (*Zea mays* L.). *International Journal of Agriculture and Crop Sciences*. 4 (20), 1519-1522.
37. Chaghakaboodi, Z., **Kahrizi**, D. and Zebarjadi, A. (2012). Heritability and genetic advance in rapeseed (*Brassica napus* L.). *Iranian Journal of Genetics and Plant Breeding*. 1(2): 16-21.
38. **Kahrizi**, D., Molsaghi, M., Faramarzi, A., Yari, K., Kazemi, E., Farhadzadeh, A.M., Hemati, S., Hozhabri, F., Asgari, H, Chaghmirza, K., Zebarjadi, A., Yousofvand, N. (2012). Medicinal plants in Holy Quran. *American Journal of Scientific Research*. 42: 62-71.
39. Miraghaee SH, Mostafaie A, **Kahrizi** D (2012). Acclimatization related proteins and factors in somaclone lines in kiwifruit (*Actinidia deliciosa*). *Journal of Food, Agriculture & Environment*. 10 (1): 198-202.
40. Miraghaee SH, Mostafaie A, Kiani, S. and **Kahrizi** D (2012). Investigation on Protein Pattern in Kiwifruit (*Actinidia deliciosa*). *World Applied Sciences Journal* 15 (10): 1398-1402.
41. Motamedi, J., Zebarjadi, A., **Kahrizi**, D. and Salmanian, A. H. (2012). Transformation of bacterial mutated aroA gene to safflower (*Carthamus tinctorius* L.) via Agrobacterium-mediated method. *Modern Genetics Journal*, 7(1): 57-63. (In Persian with English summary).
42. Mirmoayedi A., **Kahrizi**, D., Ebadi, AA., Yari, K. and Mohammadi, M. (2012). Study of individual and sex genetic diversity among each genus and between two genera of *Chrysopa* and *Chrysoperla* (Neuroptera, Chrysopidae) based on RAPD-PCR polymorphism. *Molecular Biology Reports*. 39(9): 8999-9006.

43. Khoshkdaman, Maryam, Ebadi, Ali Akbar, **Kahrizi**, Danial (2012). Evaluation of pathogenicity and race classification of *Xanthomonas oryzae* pv. *oryzae* in Guilan province—Iran. *Agricultural Sciences*, 3(4): 557-561. doi:10.4236/as.2012.34066
44. Chaghakaboodi, Z., Zebarjadi, A. and **Kahrizi**, D. (2012). Evaluation of Rapeseed Genotypes Response to Drought Stress via Callus Culture. *Biotechnology in Agriculture*. 10(2). 49-58. (In Persian with English summary).
45. **Kahrizi**, Danial and Allahvarand Tawhid (2012). Estimation and Interrelationships of Genetic Variability Parameters of Some Morpho-phenological Traits in Spring Rapeseed (*Brassica napus* L.). *Asian Journal of Biological Sciences*. 5(7): 358-364.
46. Soorni Jahad, **Kahrizi** Danial and Molsaghi Mozghan (2012). The Effects of Photoperiod and 2, 4-D Concentrations on Callus Induction of *Cuminum cyminum*'s Leaf Explant: an Important Medicinal Plant. *Asian Journal of Biological Sciences*. 5(7): 378-383.
47. Ahmadi, G., Akbarabadi, A., **Kahrizi**, D., Rezaizad, A. and Gheytooli, M. (2012). Study of drought tolerance of bread wheat (*Triticum aestivum* L.) genotypes in seedling stage. *Biharean Biologist*. 6(2): 77-80.
48. Chaghakaboodi, Z., Zebarjadi, A. and **Kahrizi**, D. (2012). Evaluation of Drought Tolerance of Rapeseed (*Brassica napus* L.) Genotypes in Laboratory and Field Conditions. *Plant and Seed*. 28(1): 17-38.
49. Eftekharinasab Nasrin, Zarei Darush, Paidar Safora, Jafari Moghadam Majid, **Kahrizi** Danial, Khanahmadi Masomeh and Chenari Piman (2012). Identification of wild medicinal plant in Dalahoo mountain and their used indigenous knowledge (Kermanshah, Iran). *Annals of Biological Research*. 3(7): 3234-3239.
50. Ghobadi Mokhtar, Ghobadi Mohammad-Eghbal, Kahrizi Danial, Zebarjadi Alireza and Geravandi Mehdi (2012). Evaluation of drought tolerance indices in dryland bread wheat genotype under post-anthesis drought stress. *World Academy of Science, Engineering and Technology*. 67: 1257-1261.
51. Zebarjadi, A., Mirany, T., **Kahrizi**, D., Ghobadi, M. and Nikoseresht, R. (2012). Assessment of drought tolerance in some bread wheat genotypes using drought resistance indices. *Biharean Biologist*, 6 (2): 94-98

52. Masoumi, S.M., **Kahrizi**, D., Rostami Ahmadvandi, H., Sourni, J., Kani, S., Mostafaie, A. and Yari, K. (2012). Genetic diversity study of some medicinal plant accessions belong to Apiaceae family based on seed storage proteins patterns. *Mol Biol Rep.* 39:10361-10365.
53. **Kahrizi**, D., Salmanian A.H. and Zebarjadi A.R. (2011). Effect of Cultivar and Density of Cultured Cotyledons on Shoot Regeneration in Rapeseed (*Brassica napus* L.). *Agricultural Biotechnology.* 9(2): 1-6 (In Persian with English summary).
54. Azizi K, Lashani H., Mohammadi G., **Kahrizi**, D. and Yari, K. (2011). Effect of Nutrition Different Systems on Yield and Yield Component of Corn (*Zea mays* L. cv. SC704). *American Journal of Scientific Research.* 20: 65-75.
55. Geravandi, M., Farshadfar, E. and **Kahrizi**, D. (2011). Evaluation of some physiological traits as indicators of drought tolerance in bread wheat genotypes. *Russ. J Plant Physiol.* 58(1): 69–75.
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