

A BRIEF CURRICULUM VITAE

Personal Information:

Full Name: Danial Kahrizi

Date of Birth: 1 August 1975

Place of Birth: Kermanshah, Kermanshah / IRAN

Nationality: Iranian

Marital Status: Married

Professor of Plant Breeding (Molecular Genetics and Genetic Engineering) at Razi University



Official address:

Plant Production and Genetics Dept., Razi University, Kermanshah, Iran

E-mail: dkahrizi@yahoo.com

dkahrizi@gmail.com

dkahrizi@razi.ac.ir

Phone : +98 833 833 1724

Fax : +98 833 832 1083

Cell Phone : +98 918 332 2235

Interests: Plant Biotechnology, Plant Breeding, Molecular Genetics and Genetic Engineering

Education:

2001-2005 Ph.D. Molecular Genetics and Genetic Engineering. Tarbiat Modarres University, Tehran/Iran. Supervisor: Dr. Ali Hatef Salmanian.

1998-2000 M.Sc. Plant Breeding. Tarbiat Modarres University, Tehran/Iran. Supervisor: Dr. Ahmad Moieni.

1993 – 1997 B.Sc. Agronomy and Plant Breeding. Razi University, Kermanshah, Iran

Current Position: Professor at Razi University, Kermanshah, Iran.

Honors, Awards, Fellowship, Membership of Professional Societies:

The most superior MSc student in TMU (1999).

The most superior Ph.D. student in TMU (2005).

The First Innovation Festival (2004).

The most superior student in Iran (2005).

The most superior researcher at Razi University (from 2006 to 2019).

Member of Iranian Genetics Association.

Member of Iranian Agronomy and Plant Breeding Association.

Member of Iranian Biotechnology Association.

Inventions and patents:

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

Doubled Haploid 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).

About 50 gene patents in gene bank (NCBI). In: <http://www.ncbi.nlm.nih.gov>

Member of Editor Board of:

Gene

Cellular and Molecular Biology

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

Associate Editor:

Cellular and Molecular Biology

Email: d.kahrizi@cellmolbiol.org

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

International Seminars and congress:

- Azadbakht, Z., Beheshti Ale Agha, A., **Kahrizi**, D., Karami, M. (2018). Study of the reaction of camelina sativa to the presence of heavy elements of cadmium and lead. The 1st International Conference and 3rd National Conference on Sustainable Management of Soil and Environment Resources 4-5 September 2018. Kerman, Iran.
- 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

- Kahrizi**, D., Salmanian, A. H., Afshari, A., Mousavi A., & Moieni, A., (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. 31st FEBS Congress, Budapest, Hungary.
- Ghasempour H.R, **Kahrizi** D, and. Borzoo S, (2007). Plant micropropagation in wild sage (*Salvia multicaulis*).2007 Plant Canada Congress.
- Kahrizi**, D., Salmanian, A. H., & Mousavi A. (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. Chin.

- 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.
- Salmanian, A. H., **Kahrizi**, D., & Mousavi A., (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 Polyacrylamide Gel Electrophoresis (SDS-PAGE) analysis. The 3rd International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC2011). Nakhon Ratchasima, Thailand (Jully, 26-29).

Books:

- Ghamarnia, H., **Kahrizi**, D. and Rostami Ahmadvandi, H (2020). Camelina, a Low Input and Adaptable Plant. Razi University Press
- 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.
- Ghamarnia, H., **Kahrizi**, D., Rostami, H. (2020). Camelina, as a Low Input and Adaptable Plant. Razi University Press.

Some M. Sc. and Ph. D. Thesis supervisor (until 2012)

- 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 the 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 the 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 of 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 kiwifruit in Kermanshah and Northern Iran conditions using two-dimensional electrophoresis. (M. Sc. thesis – Shahram Miraghaee- 2011. Azad University).

Investigation of 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 (*Glycine max*). (M.Sc. thesis – Sahar Chatrnor- 2011. Razi University).

Study on the 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 (Ph.D. thesis, Azad University, Science and Research Branch)

Published Projects

Piravi –Vanak, Z. Zayerzadeh, E., Mohajer, AR., **Kahrizi**, D., Atar, F., Godarzi, J (2019). Subchronic toxicity study of camelina oil in rats and determination of its chemical specifications. Final Report of Research Project. Standard Research Institute. Food Industries and Agriculture Research Center. Project ID: 9604004.

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 the 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 the magnetic field on callus induction derived from 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. Azadbakht, Z., Beheshti Ale Agha A., **Kahrizi**, D., Karami, M. (2020). Effect of Cadmium and Lead Contamination on Biological Quality of Soil and Rapeseed (*Brassica napus*) Growth. *Iran J Soil Water Res.* 10.22059/ijswr.2019.272322.668081
2. Ghafari Azar A., Darvishzadeh R., Aghaali Z., **Kahrizi** D. and Darvishi B. (2019). Assessment of genetic diversity and grouping of maize lines (*Zea mays* L.) using ISSR markers. *Journal of Cellular and Molecular Research.* 32(2): 194-204.
3. Safari, H., Zebarjadi, A., **Kahrizi**, D., & Jafari, A. A. (2019). The study of inter-specific relationships of *Bromus* genus based on SCoT and ISSR molecular markers. *Molecular Biology Reports*, 46(5): 5209–5223.
4. Falaknaz, M., Aalami, A., Mehrabi, A., Sabouri, A., **Kahrizi**, D (2019). Assessing *Aegilops tauschii* genotypes to drought stress using tolerance indices. *Cereal Research.* 8(4): 483-494.
5. Falaknaz, M., Aalami, A., Mehrabi, A., Sabouri, A., **Kahrizi**, D., & Karimi, N. (2019). Cellular and physiological responses to drought stress in *Aegilops tauschii* genotypes. *Cellular and Molecular Biology*, 65(7), 84-94.
6. Darvishi, E., **Kahrizi**, D., Arkan, E. (2019). Comparison of different properties of zinc oxide nanoparticles synthesized by the green (using *Juglans regia* L. leaf extract) and chemical methods. *Journal of Molecular Liquids*, 286, 110831.
7. Rahimi, A., Mirmoayedi, A., **Kahrizi**, D., Zarei, L., & Jamali, S. (2019). Phylogenetic relationship study of Iranian subspecies honeybee with other honeybee subspecies using morphological and molecular markers. *Animal Science Journal.* 123: 323-324
8. Khaledi, R., Fayaz, F., **Kahrizi**, D., & Talebi, R. (2019). PCR-based identification of point mutation mediating acetolactate synthase-inhibiting herbicide resistance in weed wild mustard (*Sinapis arvensis*). *Molecular Biology Reports*, 46:5113–5121.
9. Ghaheri, M., **Kahrizi**, D., Bahrami, GR., Mohammadi Motlagh HR. (2019). Study of gene expression and steviol glycosides accumulation in *Stevia rebaudiana* Bertoni under various mannitol concentrations. *Mol Biol Rep.* 46:7-16. DOI: 10.1007/s11033-018-4250-4.

10. Akbarabadi, A., Ismaili, A., **Kahrizi**, D., and Nazarian, F. (2019). Resistance determination of the ACCase-inhibiting herbicide of clodinafop propargyl in *Avena ludoviciana* (Durieu), and study of their interaction using molecular docking and simulation. *Mol Biol Rep.* 46:415-424. DOI: 10.1007/s11033-018-4489-9.
11. Ghafari Azar, A., Darvishzadeh, R., Hatami Maleki, H., **Kahrizi**, D., Darvishi, B., Bernousi, I. Identification of Inter simple sequence repeat regions associated with agro-morphological traits in maize genome. *Cereal Research.* 8(1): 97-109.
12. Soltani, M.F., Zebarjadi, A., Abdolinasab, M., Jalali Javaran, M., **Kahrizi**, D. (2018). *Camelina sativa* cultivar DKDH0065 omega-3 fatty acid desaturase (FAD3) mRNA, complete cds. Patent in NCBI. In: <https://www.ncbi.nlm.nih.gov/nucore/MG253926>.
13. Seadati, F., **Kahrizi**, D., Nosratti, I. (2018). The response of transgenic *Brassica napus* with *aroA* gene to glyphosate treatment. *Genetic Engineering and Biosafety.* 7(1): 41-52.
14. Eruygur, N., Ucar, E., Aşkın Akpulat, H., Shahsavari, K., Safavi, SM., **Kahrizi**, D. (2019). In vitro antioxidant assessment, screening of enzyme inhibitory activities of methanol and water extracts and gene expression in *Hypericum lydiun*. *Molecular Biology Reports.* 46(2): 2121-2129.
15. Jalili, Z., Ghamarnia, H., Kahrizi, D. (2019). Investigating on the effect of shallow saline groundwater on the *Stevia* yield. *Water and Irrigation Management.* 8(2): 193-209.
16. Beheshti Ale Agha, A., **Kahrizi**, D., Ahmadvand, A., Bashiri, H., Fakhri. R. (2018). Identification of *Thiobacillus* bacteria in agricultural soil using 16S rRNA gene. *Mol Biol Rep.* 45:1723–1731.
17. Zamani, H., Mirmoayedi, AN., **Kahrizi** D., Yari, K. (2019). Cytochrome oxidase subunit I could separate successfully seven predacious and morphospecies neuropteran insects. *Entomological News.* 128 (2): 140-155.
18. Pourjabar, A., Azimi, M. R., Mostafaie, A., **Kahrizi**, D., Cheghamirza, K. (2019). Proteome analysis of milk thistle (*Silybum marianum* L.) Cell suspension cultures in response to methyl jasmonate and yeast extract elicitors. *Applied Ecology and Environmental Research.* 17(1):547-560.

19. Ansari, F., **Kahrizi**, D. (2018). Hydrothermal synthesis of highly fluorescent and non-toxic carbon dots using *Stevia rebaudiana* Bertoni. *Cellular and Molecular Biology* (Noisy-le-Grand, France), 64(12), 32-36.
20. Rahimi, A., Mirmoayedi, A., **Kahrizi**, D., Zarei, L., & Jamali, S. (2018). Genetic Variation in Iranian Honey bees, *Apis mellifera meda* Skorikow, 1829, (Hymenoptera: Apidae) Inferred from PCR-RFLP Analysis of two mtDNA Gene Segments (COI and 16S rDNA). *Sociobiology*, 65(3), 482-490.
21. Rezaee, B., Najafpour, H., **Kahrizi**, D. (2018). Identifying the barriers of green entrepreneurship development in the agricultural sector of Kermanshah county. *Agricultural Economics and Development*. 26(101): 55-72.
22. Amiri, S., Nosratti, I., Mohammadi, GR., **Kahrizi**, D., Sharifi, R. (2018). Rye (*Secale cereal* L.) and Plant Probiotics Interaction on Control of Branched Broomrape (*Phelipanche ramosa*) on Tomato (*Solanum lycopersicum*) Sivand and Super Strain B. *Journal of Agricultural Science and Sustainable Production*. 28(1): 139-149.
23. **Kahrizi**, D. (2018). Release of Soheil Cultivar from *Camelina sativa*. *Seed and Seedlings Certification*. Summer. 6(2): 24-27.
24. Beheshti Ale Agha, A., **Kahrizi**, D., Ahmadvand, A., Bashiri, H., Fakhri R. (2018). Identification of *Thiobacillus* bacteria in agricultural soil in Iran using the 16S rRNA gene. *Mol Biol Rep*. 45(6): 1723-1731.
25. Mostafaie, Ali, Danial **Kahrizi**, Mina Mohammadi, Kheirollah Yari, Hossein Rostami, Anita Yaghotipoor, A. Ale Agha Beheshti, Omid Ali Amjadian, Peiman Yari, and Hossein Mostafaie. (2018). "Effect of planting time and vermicompost on the proteomic pattern of fenugreek (*Trigonella foenum-graecum*)."
Cellular and Molecular Biology 64(9): 46-51.
26. Heidari, H., **Kahrizi**, D. (2018). Effect of water stress and contaminated water on seed germination traits and early growth in maize (*Zea mays*). *Environmental Engineering and Management Journal*. 17(1): 35-42.
27. Mohammadi-nejad, R., Bahramian, S., **Kahrizi**, D. (2018). Evaluation of physicochemical properties, fatty acid composition and oxidative stability of *Camelina sativa* (DH 1025) oil. *Food Science and Technology*. 15 (77) :269-261.

28. Raziei, E., **Kahrizi**, D., Rostami-Ahmadvandi, H. (2018). Effects of climate on fatty acid profile in *Camelina sativa*. *Cell Mol Biol*, 64(2): 91-96.
29. Moradi, S., Khaledian, S., Abdoli, M., Shahlaei, M., **Kahrizi**, D. (2018). Nanobiosensors in cellular and molecular biology. *Cell Mol Biol*, 64(2): 85-90.
30. Esmaeili, F., Ghaheri, M., **Kahrizi**, D., Mansouri, M., Safavi, SM., Ghorbani, G., Mohammadi, S., Rahmanian, E., Vaziri S. (2018). Effects of various Glutamine concentrations on gene expression and steviol glycosides accumulation in *Stevia rebaudiana* Bertoni. *Cell Mol Biol*, 64(2): 1-5.
31. Ghaheri, M., Miraghaei, S., Babaei, A., Mohammadi, B., **Kahrizi**, D., Minoosh, Z., Haghighi, S., Bahrami, G (2018). Effect of *Stevia rebaudiana* Bertoni extract on sexual dysfunction in Streptozotocin-induced diabetic male rats. *Cell Mol Biol*, 64(2): 6-10.
32. Akbari, F., Arminian, A., **Kahrizi**, D., Fazeli, A., Ghaheri, M. (2018). Effect of nitrogen sources on gene expression of *stevia rebaudiana* (Bertoni) under in vitro conditions. *Cell Mol Biol*, 64(2): 11-16.
33. Ghaheri, M., Adibrad, E., Safavi, SM., **Kahrizi**, D., Soroush, A., Mohammadi, S., Ghorbani, T., Sabzevari, A., Ansarypour, A., Rahmanian, A. (2018). Effects of life cycle and leaves location on gene expression and glycoside biosynthesis pathway in *Stevia rebaudiana* Bertoni. *Cell Mol Biol*, 64(2): 17-22.
34. **Kahrizi**, D., Ghaheri, M., Yari, Y., Yari, K., Bahraminejad, S. (2018). Investigation of different concentrations of MS media effects on gene expression and steviol glycosides accumulation in *Stevia rebaudiana* Bertoni. *Cell Mol Biol*, 64(2): 23-27.
35. Hashempoor, S., Ghaheri, M., **Kahrizi**, D., Kazemi, N., Mohammadi, M., Safavi, SM., Ghorbani, G., Rahmanian, E., Heshmatpanaah M. (2018). Effects of different concentrations of mannitol on gene expression in *Stevia rebaudiana* Bertoni. *Cell Mol Biol*, 64(2): 28-31.
36. Zebarjadi, A., Kazem, S., & **Kahrizi**, D. (2018). Cell dedifferentiation and multiplication of Burdock (*Arctium Lappa*) as a medicinal plant. *Cellular and Molecular Biology*, 64(7), 92-96.
37. Akbarabadi, A., Ismaili, A., **Kahrizi**, D., & Nazarian, F. (2018). Validation of expression stability of reference genes in response to herbicide stress in wild oat

- (*Avena ludoviciana*). Cellular and molecular biology (Noisy-le-Grand, France), 64(4), 113-118.
38. Gholamian, SM., Ghamarnia, G., **Kahrizi**, D. (2018). Effects of saline water on Camelina (*Camelina sativa*) yield in greenhouse condition. *Water and Irrigation Management*. 7(2): 333-347.
39. Tahereh Keshvari, Abdollah Najaphy, Danial **Kahrizi**, Alireza Zebarjadi (2018). Callus induction and somatic embryogenesis in *Stevia rebaudiana* Bertoni as a medicinal plant. *Cell Mol Biol*, 64(2): 46-49.
40. Paydar, S., Ucar, E., Yari, P., Yari, K., Safavi, S. M., **Kahrizi**, D., & Mirmoayedi, A. (2018). A simplified and optimized protocol for total DNA extraction from insect species: applicable for studying genetic diversity and PCR-based specimen identification via partial amplification of cytochrome oxidase I (COI) gene. *Cell Mol Biol (Noisy le Grand)*, 64(12): 22-25.
41. Mirmoayedi, A., Rashidikhah, F., **Kahrizi**, D., & Yari, K. (2018). Genetic relationship between neuropteran families (insecta, Neuropterida, neuroptera) based on cytochrome oxidase-I sequences. *Genetika-Belgrade*, 50(2), 717-730.
42. Kazemi, E., & **Kahrizi**, D. (2017). The repeatability of PCR-RFLP method for study of association between gastric cancer and manganese superoxide dismutase mutant (Val-9Ala). *Biharean Biologist*, 11(2), 112-114.
43. Zarei, B., **Kahrizi**, D., Sayfi, T., Movahedi, R., Ghaheri, M., and Kazemi E. (2017). The Antibacterial Effect of Alcoholic Extraction of *Satureja bachtiarica* on Four Bacterial Human Pathogens. *Agricultural Biotechnology*. 8(2): 81-86. DOI: 10.22084/ab.2017.698.
44. Izadi, S., Cheghamirza, K., **Kahrizi**, D. (2017). Anther culture response and genetic relationships between Iranian and European barley (*Hordeum vulgare* L.) cultivars. *BioTechnologia*, 98(4): 295-304
45. Beheshti Ale Agha, A., **Kahrizi**, D., Ahmadvand, A., Bashiri, H., Fakhri, R. (2017). Development of PCR primer systems for amplification of 16S-rDNA to detect of *Thiobacillus* spp. *Cell Mol Biol*, 63(8): 37-41.

46. Ghorbani, T. **Kahrizi**, D. Saeidi, M. Arji I. (2017). Effect of sucrose concentrations on *Stevia rebaudiana* Bertoni tissue culture and gene expression. *Cell Mol Biol*, 63(11): 32-36.
47. Fallah F., **Kahrizi** D. (2016). Effect of Light Spectrum and Intensity on Growth of Grape (*Vitis vinifera*) Under In Vitro Conditions. *Journal of Applied Biotechnology Reports*. 3(4): 6; 495-499.
48. **Kahrizi**, D., Ghari, S.M. Ghaheeri, M., Fallah, F., Ghorbani, T. Kazemi, E., Ansarypour, Z. (2017). Effect of KH₂PO₄ on gene expression, morphological and biochemical characteristics of *stevia rebaudiana* Bertoni under in vitro conditions. *Cell Mol Biol*, 63(7): 107-111.
49. Ghaheeri, M., **Kahrizi**, D., Bahrami, GR. (2017). Effect of mannitol on some morphological characteristics of in vitro *stevia rebaudiana* Bertoni. *Biharean Biologist*. 11(2): 94-97
50. Fallah, F., Nokhasi, F., Ghaheeri, M., **Kahrizi**, D., Beheshti Ale Agha, A., Ghorbani, T. Kazemi, E., Ansarypour, Z. (2017). Effect of salinity on gene expression, morphological and biochemical characteristics of *stevia rebaudiana* Bertoni under in vitro conditions. *Cell Mol Biol*, 63(7): 102-106.
51. Fallah F, Minaei Chenar H, Amiri H, Omodipour S, Shirbande Ghods F, **Kahrizi** D, Sohrabi M, Ghorbani T, Kazemi E (2017). Comparison of two DNA extraction protocols from leave samples of *Cotinus coggygria*, *Citrus sinensis* and *Genus juglans*. *Cell Mol Biol* 63(2):76-78. DOI: 10.14715/cmb/2017.63.2.11.
52. Bagheri, M., **Kahrizi**, D. and Zebarjadi, AR. (2017). Study on genetic variation and morpho-phenologic traits in common bean (*Phaseolus vulgaris* L.). *Biharean Biologist* 11 (1): 43-47.
53. Rahimi, A., Mirmoayedi, A., **Kahrizi**, D., Zarei, L., Jamali, S. (2017). Morphometric diversity and phylogenetic relationships among Iranian honey bee (*Apis mellifera* meda Skorikow, 1829) populations using morphological characters. *Sociobiology* 64(1): 33-41
54. Soorni, J., Kazemitabar, SK., **Kahrizi**, D., Dehestani, A. and Bagheri, N. (2017). Screening of camelina (*Camelina sativa* l.) doubled haploid lines for freezing tolerance in the seedling stage. *Genetika*, 49(1): 173 -181.

55. Shahadati-Moghaddam, Z., **Kahrizi**, D. and Kazemi, E (2017). Genetic characterization and molecular mapping of novel chlorophyll deficiency gene in air-cured tobacco (*Nicotiana tabacum* L.). *Genetika*, 49(1): 77-86.
56. Hosseini, Z., Ghasempour, HR., **Kahrizi**, D., and Akbari, L. (2017). *In-vitro* callus induction and shoot regeneration in Hollyhocks (*Althaea digitata*). *Biological, Environmental and Agricultural Sciences*, 2(1): 34-40.
57. Safari, H., Zebarjadi A.R., **Kahrizi**, D. and Jafari, A. A. (2017). Evaluation of karyotypic relationship of several species of Bromus and Genea sections from Bromus genus. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 25(1):82-96.
58. Akbari, F. Arminian, A. **Kahrizi**, D. and Fazeli A. (2017). Effect of nitrogen sources on some morphological characteristics of in vitro *stevia rebaudiana* Bertoni. *Cellular and Molecular Biology*. 63(2): 107-111.
59. Kazemi, E. and **Kahrizi**, D. (2016). Lack of association between gastric cancer and hopq alleles in *Helicobacter pylori*. *Genetika*. 48(3): 893-902
60. Zebarjadi, AR, Rostami Ahmadvandi, H., **Kahrizi**, D., Cheghamirza, K. (2016). Assessment of Genetic Diversity by Application of Inter Simple Sequence Repeat (ISSR) Primers on Iranian Harmal (*Peganum harmala* L.) Germplasm as an Important Medicinal Plant. *Journal of Applied Biotechnology Reports*. 3(3): 441-445
61. Kazemi, N., **Kahrizi**, D, Mansouri (2016). Effects of Plant Growth Regulators and Explant on Callus Induction in *Cuminum cymium* L. *Journal of Genetic Resources*. 2(1): 23-28.
62. Jafari, A., **Kahrizi**, D., Mansouri, M. (2016). Effects of plant growth regulators and explant on callus induction in pennyroyal (*Mentha pulegium* L.). *Biharean Biologist*. 10 (2): 134-136
63. Taimori, N., **Kahrizi**, D., Abdossi, V., Papzan, AH (2016). Cell dedifferentiation, callus induction and somatic embryogenesis in *Crataegus* spp. *Cellular and Molecular Biology*. 62(11): 100-107.
64. Asadi, N., Rahimi, A., Ghaheri, M., **Kahrizi**, D., Bagheri Dehbaghi, M., Khederzadeh, S., Esmailkhanian, S., Veisi, B., Geravandi, M., Karim, H., Vaziri, S., Daneshgar, F., Banabazi, M.H., Zargooshi, J. (2016). Genetic diversity of the Dwarf honeybee (*Apis*

- floreae Fabricius, 1787) populations based on microsatellite markers. *Cellular and Molecular Biology*. 62(2): 51-55.
65. Gholami, M., Hafezian, S.H., Rahimi, G., Farhadi, A., Rahimi, Z., **Kahrizi**, D., Kiani, S., Karim, H., Mohammadi, S., Veisi, F., Shetabi, H., Zargooshi, J., Vaziri, S. (2016). Allele specific-PCR and melting curve analysis showed relatively high frequency of β -casein gene A1 allele in Iranian Holstein, Simmental and native cows. *Cellular and Molecular Biology*. 62(12): 138-143.
66. Pakseresht, G., **Kahrizi**, D., Mansouri, M., Ghorbani, T., Kazemi, N. (2016). Study of Callus Induction and Cell Culture to Secondary Metabolite Production in *Hyssopus officinalis* L. *Journal of Reports in Pharmaceutical Sciences*. 5(2): 104-111.
67. Darvishi, E. Aziziaran, Z. Yari, K., Bagheri Dehhaghi, M., **Kahrizi**, D., Karim, H. Vaziri, S., Zargooshi, J. Ghadiri, K. Mohammadi, S. Kazemi, E. Moradi, MT. Shokrinia, M., Mohammadi N. (2016). Lack of association between the TNF- α ¹⁰³¹ genotypes and generalized aggressive periodontitis disease. *Cellular and Molecular Biology*. 62(11): 62-65.
68. Rostami-Ahmadvandi, H. **Kahrizi**, D. Cheghamirza, K. Nosrati, I. Zargooshi, J. (2016). Molecular and agro- morphological genetic diversity assessment of Chickpea mutants induced via Ethyl Methane Sulfonate. *Cellular and Molecular Biology*. 62(11): 8-12.
69. Minaei Chenar, H., **Kahrizi**, H., Molsaghi, M. (2016). Callus induction is affected by explant type and plant growth regulators in chickpea (*Cicer arietinum* L.). *Biharean Biologist*. 10(1). 28-32.
70. Kazemi, N., **Kahrizi**, D, Mansouri, Karim, M, H., Vaziri, S. Zargooshi, J. Khanahmadi, M. Shokrinia, M., Mohammadi, N. (2016). Induction of linalool as a pharmaceutical and medicinal metabolite via cell suspension culture of cumin (*Cuminum cyminum* L.). *Cellular and Molecular Biology*. 62(6): 65-68.
71. Rahimi, A., Mirmoayedi, A., **Kahrizi**, D., Zarei, L., Jamali, S. (2016). Genetic diversity of Iranian honey bee (*Apis mellifera* meda Skorikow, 1829) populations based on ISSR markers. *Cellular and Molecular Biology*. 62(4): 55-60
72. Darvishi, E., **Kahrizi**, D., Bahraminejad, S., Mansouri, M. (2016). In vitro induction of α -pinene, pulegone, menthol, menthone and limonene in cell suspension culture of pennyroyal (*Mentha pulegium*). *Cellular and Molecular Biology*. 62(3): 7-9.

73. Kazemi, E., **Kahrizi**, D., Moradi, M.T. Sohrabi and Yari, K. (2016). Gastric Cancer and *Helicobacter pylori*: Impact of *hopQII* Gene. Cellular and Molecular Biology. 62(2): 107-110.
74. Kazemi, E., **Kahrizi**, D., Moradi, M.T. Sohrabi, M., Amini, A., Mousavi, S.A.R. and Yari, K. (2016). Association between *Helicobacter pylori* *hopQI* genotyping and human gastric cancer. Cellular and Molecular Biology. 62(1): 6-9.
75. Kazemi, **Kahrizi**, D., E., Moradi, M.T., Sorabi., Amini, S., Mousavi, S.A.R., Yari, Kh. (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.
76. Ghaheri, M. **Kahrizi**, D. Yari, K. Babaie, A. Suthar, R.S., Kazemi, E. (2016). A comparative evaluation of four DNA extraction protocols from whole blood sample. Cellular and Molecular Biology. 61 (3): 119-123.
77. Rezaee, B., **Kahrizi**, D., Najafpour, H. (2016). An Investigation on barriers and challenges of Green Entrepreneurship Development in the Agricultural Sector. Journal of Entrepreneurship in Agriculture. 3(1): 35-53.
78. 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.
79. Akbarabadi, a., **Kahrizi**, D., Rezaizad, A., Ahmadi, GH., Ghobadi, M., Molsaghi, M. (2015). Study of variability of bread wheat lines based on drought resistance indices. Biharean Biologist. 9(2): 88-92
80. 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
81. 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 9:133-140
82. **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.

83. 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.
84. 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 Prevention, 16 (2): 841-844.
85. 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.
86. 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.
87. Mohammadi., GR., Chatrnour, S., Jalali-Honarmand, S., **Kahrizi, D.** (2015). The effects of planting arrangement and phosphate biofertilizer on soybean under different weed interference periods. Acta agriculturae Slovenica. 105(2): 313 - 322
88. 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.
89. 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.
90. 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.
91. 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

92. 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 Univeritesi Gazi Egitim Fakultesi Tesi Dergisi. 4(7): 1-11.
93. 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 Univeritesi Gazi Egitim Fakultesi Tesi Dergisi. 4(7): 1-8.
94. 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 Univeritesi Gazi Egitim Fakultesi. 4(7): 1-8.
95. Molsaghi, M., Moieni, A. and **Kahrizi**, D. (2014). Efficient protocol for rapid *Aloe vera* micropropagation. *Pharmaceutical Biology*. 52(6): 735-739.
96. Rasouli, H., **Kahrizi**, D., Farshadfar, E., Yari, K., Moradi, MT. (2014). Computational analysis of group 2 late embryogenesis protein (lea) in different cultivar of bread wheat (*Triticum aestivum*). *Plant Breeding and Seed Science*. 70(1): 15-27.
97. 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.
98. 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.
99. **Kahrizi**, D.(2014). Reduction of EPSP synthase in transgenic wild turnip (*Brassica rapa*) weed via suppression of aroA. *Molecular Biology Reports*. 41: 8177-8184.
100. Mirmoayedi, AN., Marami, M., Yari, K., **Kahrizi**, D. (2014). Use of RAPD-PCR to reveal genetic proximity of Species of Chrysopidae Family (Insecta, Neuroptera). *International Journal of Farming and Allied Sciences*. 3 (4): 402-407
101. 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.

102. 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.
103. Mirmoayedi A., **Kahrizi, D.**, Pani, S., and Yari, K. (2013). Molecular genetic diversity within Myrmeleontidae family. *Molecular Biology Reports*. 40:639–643.
104. 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.
105. 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.
106. 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.
107. 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.
108. **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.
109. 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.
110. 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.
111. 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.

112. 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.
113. 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).
114. 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).
115. **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.
116. 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.
117. 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.
118. **Kahrizi**, D., Molsaghi, M., Faramarzi, A., Yari, K., Kazemi, E., Farhadzadeh, A.M., Hemati, S., Hozhabri, F., Asgari, H, Chaghamirza, K., Zebarjadi, A., Yousofvand, N. (2012). Medicinal plants in Holy Quran. *American Journal of Scientific Research*. 42: 62-71.
119. 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.

120. 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.
121. 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).
122. 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.
123. 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
124. 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).
125. **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.
126. 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.
127. 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.

128. Chaghakaboodi, Z., Zebarjadi, A. and **Kahrizi**, D. (2012). Evaluation of Drought Tolerance of Rapeseed (*Brassica napus* L.) Genotypes in Laboratory and Field Conditions. *Seed and Plant Improvement Journal*. 28(1): 17-38.
129. Eftekharinasab N, Zarei D, Paidar S, Jafari Moghadam M, **Kahrizi** D, Khanahmadi M, Chenari P 2012. Identification of wild medicinal plant in Dalahoo mountain and their used indigenous knowledge (Kermanshah, Iran). *Ann Biol Res*, 3(7): 3234-3239.
130. Ghobadi M., Ghobadi ME., **Kahrizi** D., Zebarjadi A., Geravandi M. (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.
131. 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
132. Masoumi, S.M., **Kahriz**, 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.
133. **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).
134. 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.
135. 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.
136. Azizi, K., Daraei Mofrad A. R., Heidari, S., Amini Dehaghi, M. and **Kahrizi**, D. (2011). A study on qualitative and quantitative traits of barley (*Hordeum vulgare* L.) and narbon vetch (*Vicia narbonensis* L.) in intercropping and sole cropping system

- under interference and control of weeds in dryland farming conditions of Iran. *African Journal of Biotechnology*. 10(1): 13-20
137. Safavi, S.M., Farshadfar, M., **Kahrizi** D. and Safavi, S. A. (2011). Genetic Variability of Some Morphological Traits in Poplar Clones. *American Journal of Scientific Research*. 13: 113-117.
 138. Kakaei, M. and **Kahrizi**, D. (2011). Study of Seed Proteins Pattern of *Brassica napus* Varieties via Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis. *The International Research Journal of Biotechnology*. 2(1): 26-28.
 139. Falaknaz, M., Heidari, P., Mehrabi, A.A., **Kahrizi**, D. and Yari, K. (2011). Phylogeny of Δ 1-pyrroline-5-carboxylate synthase (P5CS) gene in different plant species using cDNA AFLP analysis. *American Journal of Scientific Research*, 19: 13-21.
 140. Heidari, P., Falaknaz, M., Mehrabi, A.A., **Kahrizi**, D. and Yari, K. (2011). Phylogenetic Study of HKT-gene in Gramineae via insilico cDNA-AFLP analysis. *American Journal of Scientific Research*, 19: 6-12.
 141. **Kahrizi**, D. (2011). Effect of genotype, seeding rate and sowing date on grain yield and seed shattering in spring rapeseed (*Brassica napus* L.). *Agronomy Journal* (Pajouhesh & Sazandegi), 87: 40-45. (In Persian with English summary).
 142. **Kahrizi** D., Azizi K. and Haghi Y. (2011). Relationships among yield and yield components and essence in cumin (*Cuminum cyminum* L.) under different climate conditions. *Biharean Biologist*. 5(1): 63-68.
 143. Fatemi, S.S.A., Yari, K., Tavallaee, M. and **Kahrizi**, D. (2011). Expression of recombinant Hc domain of Clostridium botulinum neurotoxin A in E. coli and its purification as a vaccine candidate against botulism. *Scientific Journal of Kurdistan University of Medical Sciences*. 16(2): 36-44. (In Persian with English summary).
 144. Kakaei, M. and **Kahrizi**, D. (2011). Evaluation of seed storage protein patterns of ten wheat varieties using SDS-PAGE. *Biharean Biologist*. 5(2): 116-118.
 145. Ghobadi, M., Khosravi, S., **Kahrizi**, D. and Shirvani, F. (2011). Study of water relations, chlorophyll and their correlations with grain yield in wheat (*Triticum aestivum* l.) genotypes. *World Academy of Science, Engineering and Technology* 78: 582- 585.

146. Ahmadi, G.H., **Kahrizi**, D., Mohammadi, Gh. and Shirkhani, A. (2011). Effects of sowing density on yield and yield components of irrigated bread wheat cultivars. *Biharean Biologist*. 5(2): 91-95.
147. Motamedi J., Zebarjadi A.R., **Kahrizi** D., Salmanian A.H. and Soheilikhah Zh. (2011). Study of Callus Induction and Shoot Regeneration of Safflower (*Carthamus tinctorius* L.) Using Hypocotyl and Cotyledon Explants Culture. *Journal of Agricultural Biotechnology*. 2(1): 105-117. (In Persian with English summary).
148. **Kahrizi**, D., Mahmoodi, S. Bakhshi Khaniki G.R. and Mirzaei, M. (2011). Effect of genotype on androgenesis in barley (*Hordeum vulgare* L.). *Biharean Biologist* 5(2): 132-134.
149. Zarei, I., Sohrabi, S., **Kahrizi**, D. and Yari, K. (2011). Effect of different hydropriming times on the quantitative and qualitative characteristics of chickpea (*Cicer arietinum* L.). *African Journal of Biotechnology*. 10(66): 14844-14850.
150. 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 Polyacrylamide Gel Electrophoresis (SDS-PAGE) analysis. *Journal of Agricultural Science and Technology*. 1300-1302.
151. Motamedi, J. Zebarjadi, A.R., **Kahrizi** D. and Salmanian. A.H. (2011). In vitro propagation and Agrobacterium-mediated transformation of safflower (*Carthamus tinctorius* L.) using a bacterial mutated aroA gene. *Australian Journal of Crop Science*. 4(5): 479-486.
152. **Kahrizi**, D., Cheghamirza, K., Kakaie, M., Mohammadi, R. and Ebadi, A. (2010). Heritability and Genetic Gain of Some Morpho-physiological Variables of Durum Wheat (*Triticum turgidum* var. durum.). *African Journal of Biotechnology*, 9(30): 4687-4691.
153. Geravandi, M., Farshadfar, E., **Kahrizi**, D. (2010). Evaluation of drought tolerance in bread wheat advanced genotypes in field and laboratory conditions. *Seed and Plant Improvement Journal* 26 (2), 233-252.
154. Kakaie, M., **Kahrizi**, D. and Ebadi, A. G. (2010). Study of drought response extremes wheat varieties via seed storage constitutive proteins. *American Journal of Scientific Research*. 12: 32-35

155. **Kahrizi**, D. and Kakaie, M. (2010). Effect of 6-Benzylaminopurine, 2,4-Dichlorophenoxyacetic Acid and Indole-3-Butyric Acid on Micropropagation Stages of *Achillea biebersteinii*. Asian Journal of Chemistry. (22) 3: 2383-2386.
156. **Kahrizi**, D, Maniee, M., Mohammadi, R. and Cheghamirza, K. (2010). Estimation of genetic parameters related to morpho-agronomic traits of Durum Wheat (*Triticum turgidum* var. durum). Biharean Biologist, 4(2): 93-97.
157. Kakaie, M., **Kahrizi**, D. and Mostafaie, A. (2010). Study on powdery mildew disease related proteins expression in winter wheat cultivars via SDS-PAGE. Biharean Biologist, 4(2): 169-171.
158. Mohammadi, R., Armion, M., **Kahrizi**, D. and Amri. A. (2010). Efficiency of screening techniques for evaluating durum wheat genotypes under mild drought conditions. International Journal of Plant Production 4 (1): 11-24
159. Zakizadeh M., Esmaeilzadeh Moghadam M. and **Kahrizi**, D (2010). Study on genetic variation and relationship between plant characteristics and grain yield in long spike bread wheat (*Triticum aestivum* L.) genotypes-using multivariate analysis. Iranian Journal of Crop Sciences. Vol. 12. No.1 (45). 18-30.
160. **Kahrizi**, D. (2010). Applying of coated fertilizers for sustainable agriculture. Agrolook. 2(10). 6-8.
161. **Kahrizi**, D., Salmanian A.H. and Zebarjadi A.R. (2010). Effect of cold pretreatment and period of preconditioning and inoculation on transformation frequency in Rapeseed (*Brassica napus* L.). Agricultural Biotechnology. 9(1): 27-34 (In Persian with English summary).
162. Joorabi, S., Chaichi M. R., Shabani, Gh. and **Kahrizi**, D. (2010). The effects of seed production and storage conditions on hardseed breakdown trend in annual medic (*Medicago scutellata* var Robinson). Agronomy Journal (Pajouhesh & Sazandegi), 84: 2-5 (In Persian with English summary).
163. Zakizadeh, M., Moghaddam, M. E., **Kahrizi**, D. (2010): Study on genetic variation and relationship between plant characteristics and grain yield in long spike bread wheat (*Triticum aestivum* L.) genotypes-using multivariate analysis. Iranian Journal of Crop Sciences 12(1): 18-30.

164. Maniee, M., **Kahrizi**, D. and Mohammadi, R. (2009). Genetic Variability of Some Morpho-physiological Traits in Durum Wheat (*Triticum turgidum* var. durum). Journal of Applied Sciences. 9(7): 1383-1387.
165. **Kahrizi**, D. (2009). Study of androgenesis and spontaneous chromosome doubling in barley (*Hordeum vulgare* L.) advanced line using isolated microspore culture. International Journal of Plant Breeding. (3) 2: 111-114.
166. Mohammadi, G. R. **Kahrizi** D. and Rashidi, N. (2009). Evaluation of Sorghum (*Sorghum bicolor* L. Moench) Ability to Control Weeds in Corn (*Zea mays* L.) Reprinted from The Korean Journal of Weeds Science, 29(2): 104-111
167. **Kahrizi**, D., Zebarjadi, A. R., Jalali Honarmand, S., Khah, E. M. and Motamedi J. (2009). Study of spontaneous chromosome doubling in wheat (*Triticum aestivum* L.) genotypes using androgenesis. World Academy of Science, Engineering and Technology 57: 1162-1166.
168. Zebarjadi, A. R., J. Motamedi and D. **Kahrizi** (2009). Micropropagation of *Echinacea purpurea* L. from Hypocotyl Explant. World Academy of Science, Engineering and Technology 57:1167-1169.
169. **Kahrizi** D and Mohammadi, R (2009). Study of androgenesis and spontaneous chromosome doubling in barley (*Hordeum vulgare* L.) genotypes using isolated microspore culture. Acta Agronomica Hungarica, 57(2): 155–164.
170. Vanaei, H. **Kahrizi**, D., Chaichi, M., Shabani G., and Zarafshani K. (2008). Effect of Genotype, Substrate Combination and Pot Size on Minituber Yield in Potato (*Solanum tuberosum* L.). American-Eurasian J. Agric. & Environ. Sci., 3 (6): 818-821.
171. **Kahrizi** D and Salmanian AH (2008). Substitution of Ala183Thr in aroA Product of E. coli (k12) and Transformation of Rapeseed (*Brassica napus*) with Altered Gene to Tolerance of Plant to Roundup. Transgenic Plant Journal. 2(2): 170-175.
172. Fatahnia, F., Nikkhah, A., Zamiri, M. J. and **Kahrizi**, D. (2008). Effect of Dietary Fish oil and Soybean Oil on Milk Production and Composition of Holstein Cows in Early Lactation. Asian – Aust. J. Anim. Sci. 21(3): 386 – 391.

173. Azizi., K. and **Kahrizi**, D. (2008). Effect of Nitrogen Levels, Plant Density and Climate on Yield Quantity and Quality in Cumin (*Cuminum cyminum* L.) under the Conditions of Iran. Asian Journal of Plant Sciences. 7(8): 710-716.
174. **Kahrizi**, D. Salmanian, AH., Afshari, A., Mousavi, A. and Moieni, A. (2007). Simultaneous substitution of Gly96 to Ala and Ala183 to Thr in 5-enolpyruvylshikimate-3-phosphate synthase gene of E. coli (k12) and transformation of rapeseed (*Brassica napus* L.) in order to make tolerance to glyphosate. Plant Cell Rep, 26: 95-104.
175. Nahavandi, A., Norouzi, P., **Kahrizi**, D. (2007). Screening of tissue cultured-clones of sugar beet for bolting tolerance and a study on gibberellic acid aimed to bolting of sugar beet. Journal of Agronomy and Plant Breeding. 4(1): 100-112.
176. **Kahrizi**, D. Salmanian, AH., Mousavi, A., Moieni, A. and Kahrizadeh, G. (2007). Substitution of amino acid Ala-183 to Thr in 5-enolpyruvylshikimate 3-phosphate synthase in order to make tolerance to glyphosate herbicide in transgenic rapeseed plant (*Brassica napus* L.). Pajouhesh & Sazandegi, (79): 151-159 (In Persian with English summary).
177. **Kahrizi**, D., Moieni, A., Bozorgipour, R. (2000): Effect of genotype and carbohydrate source on androgenesis of hexaploid wheat (*Triticum aestivum* L.). Seed and Plant 16: 41-51 (In Persian with English summary).