

In the Name of God



## Prof. Ghasem Karimzadeh

*Faculty of Agriculture  
Department of Plant Genetics and Breeding*



E-mail: [karimzadeh\\_g@modares.ac.ir](mailto:karimzadeh_g@modares.ac.ir)  
[karimzadeh\\_ghasem@yahoo.com](mailto:karimzadeh_ghasem@yahoo.com)

Last updated: February 08, 2026

<a href="#">Personal Information</a>	<a href="#">Seminars and Conferences Attained</a>
<a href="#">Educational Records</a>	<a href="#">Papers Presented in Conferences</a>
<a href="#">Academic Experiences</a>	<a href="#">Research Students Supervised</a>
<a href="#">Membership of Scientific Societies</a>	<a href="#">Research Students Co-Supervised</a>
<a href="#">Referee for Journal Articles Submitted to</a>	<a href="#">Courses Taught</a>
<a href="#">Research Interests &amp; Projects Performed</a>	<a href="#">Referees</a>
<a href="#">Publications and Journal Papers</a>	<a href="#">Others</a>

### I. Personal Information:

Name: Ghasem

Family Name: Karimzadeh

Date of Birth: 1960

Place of Birth: Baghdad, Iraq

Nationality: Iranian

Marital Status: Married                      Two children

Address: Department of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ. \(TMU\)](#), Tehran P. O. Box 14115-336, Iran

Tel: +98 21 48290 (Room: 2103, Lab; 2138)

Cell phone: +98 912 3905473

E-mail: [karimzadeh\\_g@modares.ac.ir](mailto:karimzadeh_g@modares.ac.ir) , [karimzadeh\\_ghasem@yahoo.com](mailto:karimzadeh_ghasem@yahoo.com)

Home page: [http://www.modares.ac.ir/~karimzadeh\\_g](http://www.modares.ac.ir/~karimzadeh_g)

[Scopus Author ID: 8570087200](#)

[ORCID iD: 0000-0001-8209-3287](https://orcid.org/0000-0001-8209-3287)

Google Scholar Citations:

<https://scholar.google.com/citations?user=VduY5OUAAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Ghasem-Karimzadeh>

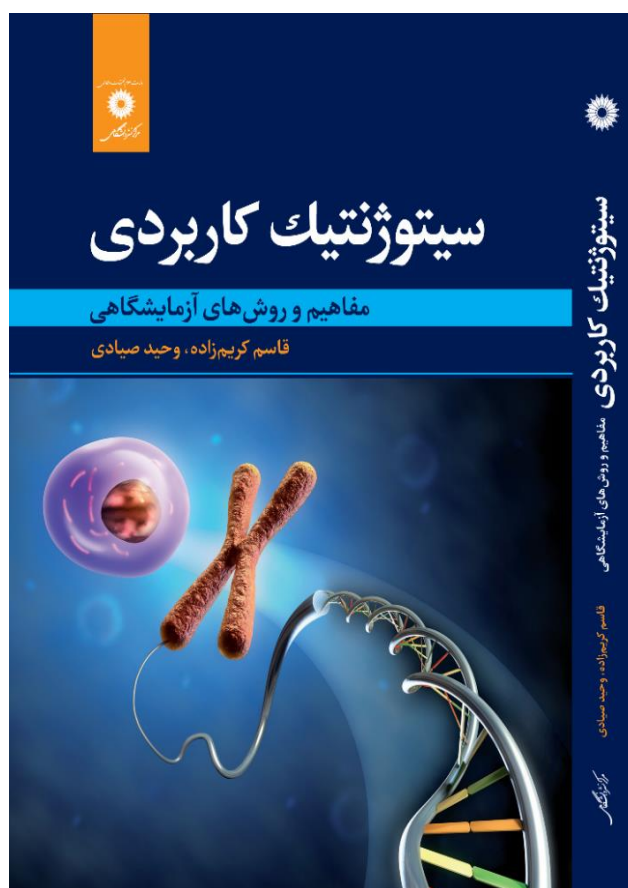
LinkedIn: [https://www.linkedin.com/feed/?trk=guest\\_homepage-basic\\_nav-header-signin](https://www.linkedin.com/feed/?trk=guest_homepage-basic_nav-header-signin)

Loop profile: 413046: <https://loop.frontiersin.org/people/413046/overview>

Mendeley: <https://www.mendeley.com/settings/account/>

## II. Educational Records:

Degree	Institution	Place	Field	Date
B.Sc.	<a href="#">Univ. of Tehran</a>	Iran	Agronomy & Plant Breeding	1985
M.Sc.	<a href="#">Gödöllő Univ. of Agricultural Sciences</a>	Hungary	Advanced Genetics & Plant Breeding	1992
Ph.D.	<a href="#">Cardiff Univ.</a>	UK	Plant Cell Biology	1996



## Product Details

English title of book:

**Applied Cytogenetics:  
Concepts and Laboratory Methods**

**Authors:** Ghasem Karimzadeh, Vahid Sayadi

**Paperback:** 353 pages

**Publisher:** [Iran University Press](#), Tehran, Iran

**Language:** Persian

**Date of issue:** January 01, 2020

**ISBN-13:** 978-964-01-1558-9

**Category:** Plant Cytogenetics, Laboratory Manuals

[Book ID in National Library & Archives of Iran](#)

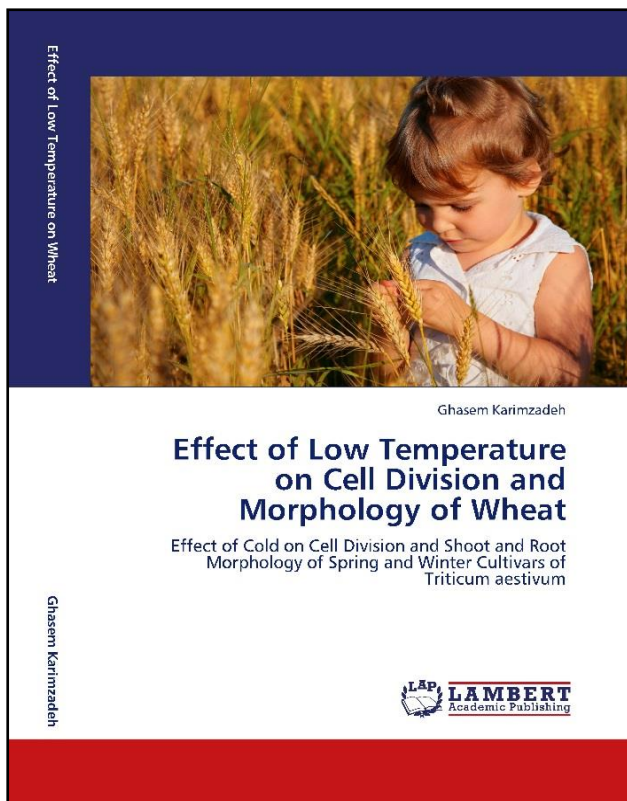
**National Book No.:** 5981652

**Available online at:**

<https://mybooket.com/books/cec355a0f44d2dfb>

<https://store.scinito.com/b/3161317439>

<https://fidibo.com/book/135724>



## Product Details

**Title:** Effect of Low Temperature on Cell Division and Morphology of Wheat

**Author:** Ghasem Karimzadeh

**Paperback:** 356 pages

**Publisher:** LAP LAMBERT Academic Publishing, Germany (January 31, 2012), Printed in USA

**Language:** English

**ISBN-10:** 3847339508

**ISBN-13:** 978-3847339502

**Category:** Biology: Life Science

**Product Dimensions:** 8.7 × 5.9 × 0.8 inches

**Shipping Weight:** 1.3 Pounds ([View shipping rates and policies](#))

**Available online at:**

<http://www.amazon.com/gp/product/3847339508>

### III. Academic Experiences:

- 1) Professor, Department of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Nov 2019 – Present)
- 2) Associate professor, Department of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Oct 2005 – Nov 2019)
- 3) Assistant professor, Department of Plant Breeding and Biotechnology, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Mar 1997 – Oct 2005)
- 4) Head of Department of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Aug 2017 – Aug 2019)
- 5) Head of Department of Plant Breeding and Biotechnology, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Dec 2013 – Jan 2016)
- 6) Member of Doctoral Thesis Examination Committee at the College of Agriculture, [Tarbiat Modares Univ.](#)
- 7) Member of Doctoral Thesis Examination Committee at the College of Agriculture, [Univ. of Tehran](#)
- 8) Member of Doctoral Comprehensive Examination Committee at the College of Agriculture, [Tarbiat Modares Univ.](#)
- 9) Member of M.Sc. Thesis Examination Committee at the College of Agriculture, [Tarbiat Modares Univ.](#)
- 10) Member of Research Committee at the College of Agriculture, [Tarbiat Modares Univ.](#)

- 11) Member of National Research Projects Advisory Committee in Agricultural Sector
- 12) Establishment of Cytogenetics Laboratory in the College of Agriculture, [Tarbiat Modares Univ.](#)
- 13) Representative of Post-Graduate Study at the College of Agriculture, [Tarbiat Modares Univ.](#)
- 14) Critiquing several books for publication
- 15) Member of Editorial Board of Journal of Genetic Research, Forage and Forest Breeding, Tehran, Iran
- 16) Member of Editorial Board of Journal of Iranian Journal of Field Crop Science, [Tarbiat Modares Univ.](#) Iran.

#### **IV. Membership of Scientific Societies:**

- 1) Iranian Society of Crop Production and Breeding (I.S.C.P.B.)
- 2) Iranian National Society of Biotechnology
- 3) Biotechnology Society of Iranian Post-Graduates, UK
- 4) Iranian Genetics Society (I.G.S.)

#### **V. Referee for Congress/Journal Articles Submitted to:**

- 1) [New Phytologist](#), IF: 7.21, Ranking: JCR 2015, top 2.39% (Plant Sciences), Wiley-Blackwell, USA
- 2) [HortScience](#), American Society for Horticultural Science, USA
- 3) [BMC Plant Biology](#), ISSN: 1471-2229, Springer Nature, Q1 Journal, UK.
- 4) [Industrial Crops & Products](#), Q1, Category (Agronomy, Agricultural Engineering), Elsevier, Amsterdam, The Netherlands.
- 5) [CYTOLOGIA](#), International Society of Cytology, The Japan Mendel Society
- 6) [International Journal of Horticultural Science and Technology](#), e-ISSN: 2588-3143, [Univ. of Tehran](#), Tehran, Iran
- 7) [Agrotechniques in Industrial Crops](#), Department of Plant Production and Genetics, Razi University, Kermanshah, Iran
- 8) [Botanical Journal of Iran](#), Ministry of Agriculture Jihad, Tehran, Iran
- 9) [Journal of Agricultural Science and Technology \(JAST\)](#), Faculty of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran, in English
- 10) [Journal of Sciences, Univ. of Tehran](#), Tehran, Iran, in English
- 11) [1<sup>st</sup> International Conference & 10<sup>th</sup> National Horticultural Science Congress of Iran \(IrHC2017\)](#), 4-7 Sep, 2017, [Tarbiat Modares Univ.](#), Tehran, Iran
- 12) Journal of Modares Agricultural Science, Faculty of Agriculture, [Tarbiat Modares Univ.](#), Tehran, in Persian

- 13) [Iranian Journal of Agriculture Science](#), Univ. College of Agriculture and Natural Resources, Univ. of Tehran, Karaj, Iran, in Persian
- 14) [Iranian Journal of Field Crop Science](#), Univ. College of Agriculture and Natural Resources, Univ. of Tehran, Karaj, Iran, in Persian
- 15) [Iranian Journal of Horticultural Sciences](#), Univ. College of Agriculture and Natural Resources, Univ. of Tehran, Karaj, Iran, in Persian
- 16) [Iranian Journal of Horticultural Science and Technology](#), Society of Iranian Horticultural Science, Faculty of Agriculture, [Shiraz Univ.](#), Shiraz, Iran, in Persian
- 17) [Journal of Agricultural Science](#), Faculty of Agriculture, Univ. of Tabriz, Tabriz, Iran, in Persian
- 18) [Agricultural Sciences and Technology](#), Faculty of Agriculture, Ferdowsi Univ. of Mashhad, Mashhad, Iran, in Persian
- 19) [Agricultural Research](#), Faculty of Agriculture, Bu-Ali Sina Univ., Hamadan, Iran, in Persian
- 20) [Seed and Plant](#), Seed and Plant Improvement Institute (SPII), Karaj, Iran, in Persian
- 21) [Journal of Agricultural Sciences and Natural Resources](#), Gorgan Univ. of Agriculture and Natural Resources, Gorgan, Iran, in Persian
- 22) [Electronic Journal of Crop Production \(EJCP\)](#), Gorgan Univ. of Agriculture and Natural Resources, Gorgan, Iran, in Persian
- 23) [Modern Genetics Journal](#), Iranian Genetics Society
- 24) [Pajouhesh-va-Sazandegi](#), Ministry of Agricultural Jihad, Tehran, Iran, in Persian
- 25) [Journal of Medicinal Plants](#), Iranian Academic Center for Education, Culture & Research, Tehran, Iran, in Persian
- 26) [Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research](#), Research Institute of Forests and Rangelands of Iran, Tehran, Iran, in Persian
- 27) [Iranian Journal of Botany](#), Research Institute of Forests and Rangelands of Iran, Tehran, Iran, in Persian
- 28) 7<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding, Seed and Plant Improvement Institute (SPII), Karaj, Iran, 24-26 Aug, 2002, in Persian
- 29) 1<sup>st</sup> International Wheat Congress, Tehran, Iran, 6-9 Dec, 2002, in Persian
- 30) 8<sup>th</sup> Iranian Genetics Congress, Tehran, Iran, 20-22 May, 2003, in Persian
- 31) 8<sup>th</sup> Iranian on Crop Production and Breeding Congress, Univ. of Guilan, Rasht, Iran, 25-27 Aug, 2004, in Persian
- 32) 6<sup>th</sup> National Biotechnology Congress of Iran, Milad Tower Conference Hall, Tehran, Iran, 13-15 Aug, 2009, in Persian

## Vi. Research Interests & Projects Performed:

### Research Interests:

- 1) Cytogenetics (Karyomorphology)
- 2) Cytogenomics (Flow cytometry, genome size analysis)
- 3) Ploidy level and secondary metabolites in medicinal plants
- 4) Plant response to abiotic environmental stresses
- 5) Cell cycle and transformation methods

### Projects Performed:

- 1) Cytogenetic and Metabolome Study of Iranian Endemic Savory (*Satureja* spp.) Medicinal Plant in Response to Drought Stress. Project Manager, 2018.
- 2) Chromosomal Constitution of Crop and Horticultural Plants and Characterization of Hybrid Plants by Fluorescent *In Situ* Hybridization (FISH) Technique. Project Manager, 2010.
- 3) Evaluation of Genetic Variation, Compatibility, Selection, and Introduction of Suitable Germplasm within some *Thymus* Species. Project Collaborator, 2008.
- 4) Study of Genetic Variation in Hull-less Barley Genotypes. Project Manager, 2006.

## VII. Publications and Journal Papers:

- 1) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2026). Study of chromosome and monoploid genome size in Iranian endemic populations of *Datura stramonium* and *D. innoxia*. *Cytologia*, -----, [Abstract](#) | [Full Text \(1.14 M\)](#) (Accepted)
- 2) Radmanesh, P. and **Karimzadeh, G.** (2025). Chromosome, ploidy analysis, and flow cytometric genome size of caper (*Capparis spinosa*) medicinal plant. *Caryologia*, 78(2): 3-19. [Abstract](#) | [Full Text \(1.04 M\)](#)
- 3) **Karimzadeh, G.**, Farhadi, S., Baghizadeh, A., and Sayadi, V. (2025). Flow cytometric analysis of programmed cell death in rose (*Rosa hybrida* cv. Dolce vita+) as influenced by physico-chemical treatments. *Journal of Agricultural Science and Technology (JAST)*: 27(4): 861-877. [Abstract](#) | [Full Text \(2.32 M\)](#)
- 4) Afkar, S. and **Karimzadeh, G.** (2025). Changes in physiological traits, gene expression, and phytochemical profile of *Mentha piperita* in response to elicitor. *Biochemical Genetics*, 63: 2025-2039. [Abstract](#)
- 5) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2024). Chromosome, ploidy analysis, and flow cytometric genome size estimation of *Datura stramonium* and *D. innoxia* medicinal plant. *Caryologia*, 77(3):53-61. [Abstract](#) | [Full Text \(1.14 M\)](#)
- 6) Kholghi, M., Radmanesh, P., Darvishzadeh, R., **Karizmadeh, G.**, Alipour, H., Soufimaleky, S., Hatami Maleki, H., and Kahrizi, D. (2024). The role of bioinformatics in plant breeding for abiotic stresses. *Cereal Biotechnology and Biochemistry*, 3(4): 609-654 (In Persian with English Abstract) [Abstract](#) | [Full Text \(931 K\)](#)

- 7) Habibi Kliber, M., Khorasaninejad, S., Ebadi, M., **Karimzadeh, G.**, Farhadpour, M., and Grouber, K. (2024). Leaf micromorphology of some *Viola* spp. from Iran. Journal of Applied Biology, 37(3): 61-70. (In Persian with English Abstract) [Abstract](#) | [Full Text \(879 K\)](#)
- 8) Morovati, Z., **Karimzadeh, G.**, Rashidi Monfared, S., and Naghavi, M. R. (2024). Evaluation of morphophysiological and phytochemical characteristics of *Datura stramonium* and *D. innoxia* from Iran under controlled condition. Journal of Plant Physiology and Breeding, 14(2): 39-57. [Abstract](#) | [Full Text \(1.09 M\)](#)
- 9) Rasekh, S. Z., **Karimzadeh, G.**, and Ghassempour, A. (2024). Intraspecific variation of major alkaloids in Afghanistan opium poppy (*Papaver somniferum* L.). Journal of Plant Physiology and Breeding, 14(1): 1-15. [Abstract](#) | [Full Text \(910 K\)](#)
- 10) Yari, A., **Karimzadeh, G.**, Rashidi Monfared, S., and Sayadi, S. (2024). Mixed-ploidy in Iranian endemic *Cymbopogon olivieri* (Boiss.) Bor: A chromosomal and holoploid genome size study. Cytologia, 89 (2): 127-131. [Abstract](#) | [Full Text \(540 K\)](#)
- 11) Khakshour, A., **Karimzadeh, G.**, Sabet, M. S., and Sayadi, S. (2024). Karyomorphological and genome size variation in Iranian endemic populations of coriander (*Coriandrum sativum* L.). Cytologia, 89(1): 21-27. [Abstract](#) | [Full Text \(1.01 M\)](#)
- 12) Naghsh, M., Moieni, A., **Karimzadeh, G.**, Shams-Bakhsh, M., and Taghavi, T. S. (2023). Study of the effects of the explant type and the hormonal composition of the culture medium in the micropropagation of strawberry (*Fragaria × ananassa* Duch., cvs. Pajaro and Paros). Plant Production and Genetics, 4 (2): 167-178. [Abstract](#) | [Full Text \(460 K\)](#) (In Persian with English Abstract)
- 13) Rasekh, S. Z. and **Karimzadeh, G.** (2023). Chromosomal and genome size variations in opium poppy (*Papaver somniferum* L.) from Afghanistan. Caryologia, 76(4): 15-22. [Abstract](#) | [Full Text \(633 K\)](#)
- 14) Tavan, M., Bakhtiar, Z., Ghorbanpour, M., **Karimzadeh, G.**, and Mirjalili, M. H. (2023). Ploidy affects phytochemistry and micromorphology of *Thymus persicus* (Ronniger ex Rech.f.) Jalas: An *in vitro* investigation. Biochemical Systematics and Ecology, 109: 104684. [Abstract](#)
- 15) Abbasi-Karin, Sh., **Karimzadeh, G.**, and Mohammadi-Bazargani, M. (2023). Interspecific morphological and phytochemical variations in willow herb (*Epilobium* spp.) medicinal plant. Journal of Plant Physiology and Breeding, 13(2): 15-27. [Abstract](#) | [Full Text \(814 K\)](#)
- 16) Radmanesh, P., **Karimzadeh, G.**, Beyraghdar Kashkoli, A., and Heidarzadeh, A. (2023). Study on phytochemical traits and improving seed germination methods of Iranian endemic populations of caper (*Capparis spinosa* L.) medicinal plant. Iranian Journal of Seed Science and Research, 10(1): 41-52. (In Persian with English Abstract). [Abstract](#) | [Full Text \(1.3 M\)](#)
- 17) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Essential oil profile of areal part of *Datura* species from Iran. Agrotechniques in Industrial Crops, 3(2): 53-59. [Abstract](#) | [Full Text \(664 K\)](#)
- 18) Firoozi, N., **Karimzadeh, G.**, Sabet, M. S., and Sayadi, V. (2022). Intraspecific karyomorphological and genome size variations of *in vitro* embryo derived Iranian endemic Asafoetida (*Ferula assa-foetida* L., Apiaceae). Caryologia, 75(4): 111-121. [Abstract](#) | [Full Text \(1.54 M\)](#)

- 19) Mohammadpour, S., **Karimzadeh, G.**, and Ghaffari, S. M. (2022). Karyomorphology, genome size, and variation of antioxidant in twelve berry species from Iran. *Caryologia*, 75(4): 133-148. [Abstract](#) | [Full Text \(1.11 M\)](#)
- 20) Ahmadi Roshan, M., **Karimzadeh, G.**, and Rashidi Monfared, S. (2022). *Satureja bachtiarica* micropropagation through somatic tissues: Mass propagation and adaptation. *Iranian Journal of Medicinal and Aromatic Plants*, 38(4): 581-591. [Abstract](#) | [Full Text \(766 K\)](#)
- 21) Razavi Keshmiri, Z. A., Javadian, N., Sharifi, M., and **Karimzadeh, G.** (2022). Ploidy level-induced changes in production of lignans, flavonoids, and phenolic acids in *Linum album* callus culture. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 30(1): 97-107. [Abstract](#) | [Full Text \(871 K\)](#)
- 22) Sayadi, V., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2022). Interspecific genome size variation of Iranian endemic *Allium* species (Amaryllidaceae). *Cytologia*, 87(4): 335-338. [Abstract](#) | [Full Text \(657 K\)](#)
- 23) Javadian, N., **Karimzadeh, G.**, Sharifi, M., and Moieni, A. (2022). Effect of ploidy level on podophyllotoxin content and expression of genes related to its biosynthesis in callus cultures of *Linum album*. *Biologia*, 77: 2449-2458. [Abstract](#)
- 24) Mehravi, S., **Karimzadeh, G.**, Kordenaeeh, A., and Hanifei, M. (2022). Mixed-ploidy and dysploidy in *Hypericum perforatum*: A karyomorphological and genome size study. *Plants* 11, 3068: 1-19. [Abstract](#) | [Full Text \(1.47 M\)](#)
- 25) Zarabizadeh, H., **Karimzadeh, G.**, Rashidi Monfared, S., and Tarkesh Esfahani, S. (2022). Karyomorphology, ploidy analysis, and flow cytometric genome size estimation of *Medicago monantha* populations. *Turkish Journal of Botany*, 46: 50-61. [Abstract](#) | [Full Text \(2.8 M\)](#)
- 26) Abbasi-Karin, Sh., **Karimzadeh, G.**, and Mohammadi-Bazargani, M. (2022). Interspecific chromosomal and genome size variations in *in vitro* propagated willow herb (*Epilobium* spp.) medicinal plant. *Cytologia*, 87(2): 129-135. [Abstract](#) | [Full Text \(1.91 M\)](#)
- 27) Heidari, S., **Karimzadeh, G.**, and Rashidi Monfared, S. (2022). The first *in vitro* study of seed dormancy breakage in Iranian populations of St. John's Wort (*Hypericum perforatum*) with different geographical origins. *Iranian Journal of Seed Research*, 9(1): 59-74. [Abstract](#) | [Full Text \(943 K\)](#)
- 28) Zare Teymoori, S., **Karimzadeh, G.**, and Shariat, A. (2021). Chromosomal and genome size diversity in savory (*Satureja* spp.) medicinal plant. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 29(2): 236-250. [Abstract](#) | [Full Text \(895 K\)](#)
- 29) Gholami Malekroudi, M., **Karimzadeh, G.**, Lohrasebi, T., Sabet, M. S., and Fathi, S. (2021). Potential survey of Iranian hexaploid landraces and modern cultivated bread wheat for iron, zinc, phytate, and phytate:mineral molar ratios. *Journal of Plant Physiology and Breeding*, 11(1): 137-156. [Abstract](#) | [Full Text \(950 K\)](#); [Supplementary File \(574 K\)](#)
- 30) Sayadi, V., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2021). Karyological studies and chromosome variation among Iranian endemic *Allium* species (Amaryllidaceae). *Journal of Plant Physiology and Breeding*, 11(1): 97-108. [Abstract](#) | [Full Text \(617 K\)](#)

- 31) Khakshour, A., **Karimzadeh, G.**, Sabet, M. S., and Sayadi, V. (2021). Study of morpho-phenological diversity and expression of genes involved in  $\gamma$ -Terpinene and Linalool biosynthesis in Iranian endemic populations of coriander (*Coriandrum sativum* L.). Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research, 29(1): 51-63. [Abstract](#) | [Full Text \(1.26 M\)](#)
- 32) Abbasi-Vineh, M. A., Sabet, M. S., and **Karimzadeh, G.** (2021). Effect of *AtPAP17* and *AtPAP26* genes overexpression on yield and yield components under salt stress in *Arabidopsis thaliana* plant. Environmental Stresses in Crop Sciences, 14(2): 449-460. [Abstract](#) | [Full Text \(638 K\)](#)
- 33) Kadkhodaei, S., Arzani, K., Yaddollahi, A., **Karimzadeh, G.**, and Abdollahi, H. (2021). Genetic diversity and similarity of Asian and European pears (*Pyrus* spp.) revealed by genome size and morphological traits prediction. International Journal of Fruit Science, 21(1): 619-633. [Abstract](#) | [Full Text \(5.09 M\)](#)
- 34) Abbasi-Vineh, M. A., Sabet, M. S., and **Karimzadeh, G.** (2021). Identification and functional analysis of two purple acid phosphatases *AtPAP17* and *AtPAP26* involved in salt tolerance in *Arabidopsis thaliana* plant. Frontiers in Plant Science, 11 (Article 618716): 1-22. [Abstract](#) | [Full Text \(5.90 M\)](#)
- 35) Tarkesh Esfahani, S., **Karimzadeh, G.**, Naghavi, M. R., and Klaas, V. (2021). Altered gene expression and root thebaine production in polyploidized and methyl jasmonate-elicited *Papaver bracteatum* Lindl. Plant Physiology and Biochemistry, 158: 334-341. [Abstract](#) | [Full Text \(1.79 M\)](#)
- 36) Sayadi, V., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2021). Identification of alliin lyase (alliinase) genes from Iranian endemic *Allium* species: first new report. Acta Horticulturae, 1315: 207-212. [Abstract](#)
- 37) Kadkhodaei, S., Arzani, K., Yaddollahi, A., **Karimzadeh, G.**, and Abdollahi, H. (2021). Preliminary assessment of cytological characteristics of two European pears (*Pyrus communis* L.) cultivars. Acta Horticulturae, 1315: 287-292. [Abstract](#)
- 38) Abbasi-Karin, Sh, **Karimzadeh, G.**, Mohammadi-Bazargani, M., and Mokhtassi-Bidgoli, A. (2020). Non-destructive model to estimate leaf area in *Epilobium* species. Journal of Plant Physiology and Breeding, 10(2): 1-12. [Abstract](#) | [Full Text \(546 K\)](#)
- 39) Tarkesh Esfahani, S., **Karimzadeh, G.**, and Naghavi, M. R. (2020). *In vitro* polyploidy induction in Persian poppy (*Papaver bracteatum* Lindl.). Caryologia, 73(1): 133-144. [Abstract](#) | [Full Text \(740 K\)](#)
- 40) Sayadi, V., **Karimzadeh, G.**, Rashidi Monfared, S., and Naghavi, M. R. (2020). Identification and expression analysis of S-alk(en)yl-L-cysteine sulfoxide lyase isoform genes and determination of allicin contents in *Allium* species. PlosOne, 15(2): e0228747. [Abstract](#) | [Full Text \(1.8 M\)](#)
- 41) **Karimzadeh, G.** and Sayadi, V. (2020). Applied Cytogenetics: Concepts and Laboratory Methods. Iran University Press, Tehran, Iran, 353 p.
- 42) Madani, H., Hosseini, B., **Karimzadeh, G.**, and Rahimi, A. (2019). Enhanced thebaine and noscapine production and modulated gene expression of tyrosine/dopa decarboxylase and salutaridinol 7-O-acetyltransferase genes in induced autotetraploid seedlings of *Papaver bracteatum* Lindl. Acta Physiologiae Plantarum 41(12): 1-12. [Abstract](#)

- 43) Madani, H., Hosseini, B., **Karimzadeh, G.**, and Rahimi, A. (2019). Effects of polyploidy induction on antioxidant capacity and some phytochemical and morphological characteristics of Iranian poppy (*Papaver bracteatum* Lindl.). Iranian Journal of Medicinal and Aromatic Plants, 35(2): 170-181. [Abstract](#) | [Full Text \(478 K\)](#)
- 44) Asadi, M., Hadian, J., Naserian, B., and **Karimzadeh, G.** (2019). The effect of gamma ray treatment on seed germination and seedling growth traits *Arnica chamissonis* Less. ssp. *foliosa* and suitable gamma ray dose determination in order to induce genetic variation. Breeding of Agronomic and Horticultural Crop, 4(1): 215-226. [Abstract](#) | [Full Text \(1.43 M\)](#)
- 45) Asadi, M., Hadian, J., Ebrahimi, S., and **Karimzadeh, G.** (2019). Effect of different levels of sulfur on growth, quality characteristics and yield of *Arnica chamissonis* Less. ssp. *foliosa*. Journal of Horticultural Science, 33(2): 219-232. [Abstract](#) | [Full Text \(1.2 M\)](#)
- 46) Salehi, M., **Karimzadeh, G.**, and Naghavi, M. R. (2019). Synergistic effect of coronatine and sorbitol on artemisinin production in cell suspension culture of *Artemisia annua* L. cv. Anamed. Plant Cell, Tissue and Organ Culture (PCTOC), 137(3): 587-597. [Abstract](#) | [Full Text \(3.6 M\)](#)
- 47) Aqafarini, A., Lotfi, M., Norouzi, M., and **Karimzadeh, G.** (2019). Induction of tetraploidy in garden cress: morphological and cytological changes. Plant Cell, Tissue and Organ Culture (PCTOC), 137(3): 627-635. [Abstract](#) | [Full Text \(1.6 M\)](#)
- 48) Bagherikia, S., Shadadeh, M., **Karimzadeh, G.**, and Pahlevani, M. H. (2019). Analysis of bread-making quality of Iranian bread wheat cultivars, containing wheat-rye translocation (1BL.1RS), using STS specific markers. Modern Genetics Journal, 13(3): 437-443 (In Persian with English Abstract). [Abstract](#) | [Full Text \(599 K\)](#)
- 49) Shariat, A., **Karimzadeh, G.**, Asareh, M. H., and Hadian, J. (2018). Metabolite profiling and molecular responses in a drought-tolerant savory, *Satureja rechingeri* exposed to water deficit. 3 Biotech, 8: 477. [Abstract](#) | [Full Text \(992 K\)](#)
- 50) Shariat, A., **Karimzadeh, G.**, Asareh, M. H., and Loureiro, J. (2018). Relationships between genome size, ecological and morphological traits in five *Satureja* (Lamiaceae) species. Iranian Journal of Botany, 24(2): 163-173. [Abstract](#) | [Full Text \(481 K\)](#)
- 51) Salehi, M., **Karimzadeh, G.**, Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2018). Expression of key genes affecting artemisinin content in five *Artemisia* species. Scientific Reports, 8(12659): 1-11. [Abstract](#) | [Full Text \(2.00 M\)](#)
- 52) Hamidi, F., **Karimzadeh, G.**, Rashidi Monfared, S., and Salehi, M. (2018). Assessment of Iranian endemic *Artemisia khorassanica*: karyological, genome size, and genes expression involved in artemisinin production. Turkish Journal of Biology, 42: 322-333. [Abstract](#) | [Full Text \(12.48 M\)](#)
- 53) Salehi, M., **Karimzadeh, G.**, Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2018). Expression of artemisinin biosynthesis and trichome formation genes in five *Artemisia* species. Industrial Crops and Products, 112: 130-140. [Abstract](#) | [Full Text \(1.25 M\)](#)
- 54) Shariat, A., **Karimzadeh, G.**, Asareh, M. H., and Hadian, J. (2018). A promising application of drought stress for increasing product quality of Iranian endemic *Satureja sahendica* Bornm. medicinal plant. Iranian Journal of Field Crop Science, 49(1): 167-177. (In Persian with English Abstract). [Abstract](#) | [Full Text \(669 K\)](#)

- 55) Sarikhani Khorami, S., Arzani, K., **Karimzadeh, G.**, Shojaeiyan, A., and Ligterink, W. (2018). Genome size: a novel predictor of nut weight and nut size of walnut trees. *HortScience*, 53(3): 275-282. [Abstract](#)
- 56) Sarikhani Khorami, S., Arzani, K., **Karimzadeh, G.**, and Shojaeiyan, A. (2018). Morphological characteristics, protein contents and fatty acids composition of some walnut (*Juglans regia* L.) superior genotypes in the north of Fars province. *Seed and Plant Production Journal*, 33-2(2): 184-163 (In Persian with English Abstract). [Abstract](#) | [Full Text \(384 K\)](#)
- 57) Shariat, A., **Karimzadeh, G.**, Asareh, M. H., and Hadian, J. (2017). Variations of physiological indices and metabolite profiling in *Satureja khuzistanica* in response to drought stress. *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*, 25(2): 232-246. [Abstract](#) | [Full Text \(280 K\)](#)
- 58) Faramarzi, Sh., Yadollahi, A., and **Karimzadeh, G.** (2017). Flow cytometric DNA C-value and ploidy variation in some Iranian apple cultivars. *Journal of Horticultural Science*, 30(4): 694-700 (In Persian with English Abstract). [Abstract](#) | [Full Text \(273 K\)](#)
- 59) Sadat Noori, S. A., Norouzi, M., **Karimzadeh, G.**, Shirkool, Kh., and Niazian, M. (2017). Effect of colchicine-induced polyploidy on morphological characteristics and essential oil composition of ajowan (*Trachyspermum ammi* L.). *Plant Cell, Tissue and Organ Culture (PCTOC)*, 130: 543-551. [Abstract](#) | [Full Text \(1273 K\)](#)
- 60) Javadian, N., **Karimzadeh, G.**, Sharifi, M., Moieni, A., and Behmanesh, M. (2017). *In vitro* polyploidy induction: changes in morphology, podophyllotoxin biosynthesis, and expression of the related genes in *Linum album* (Linaceae). *Planta*, 245(6): 1165-1178. [Abstract](#) | [Full Text \(1.1 M\)](#)
- 61) Rajabi, S., **Karimzadeh, G.**, and Ghanati, F. (2017). Effects of salt stress on compatible solutes content in seedlings roots and shoots of some winter canola (*Brassica napus* L.) Cultivars. *Journal of Plant Researches*, 29(4): 772-782. (In Persian with English Abstract) [Abstract](#) | [Full Text \(141 K\)](#)
- 62) Shariat, A., **Karimzadeh, G.**, Asareh, M. H., and Zandi Esfahan, E. (2016). Drought stress in Iranian endemic savory (*Satureja rechingeri*): *in vivo* and *in vitro* studies. *Journal of Plant Physiology and Breeding*, 6(1): 1-13. [Abstract](#) | [Full Text \(846 K\)](#)
- 63) Salaripour, S., **Karimzadeh, G.**, Moieni, A., and Tarkesh Esfahani, S. (2016). Production of cell suspensions from oriental tobacco (*Nicotiana tabaccum*) cultivars for cell line development. *Journal of Agricultural Biotechnology*, 6(2): 1-11. (In Persian with English Abstract) [Abstract](#) | [Full Text \(575 K\)](#)
- 64) Roshani, T., Ahmadi, N., and **Karimzadeh, G.** (2016). Effects of silver nano particles and 1-mcp on postharvest characteristic and activities of enzymes involved in cut carnation flower senescence. *Advances in Applied Science*, 2016 (Article ID 100003): 9-18. [Abstract](#) | [Full Text \(490 K\)](#)
- 65) Fathi, S., Sabet, M. S., Lohrasebi, T., Razavi, K., **Karimzadeh, G.**, and Gholami Malekroudi, M. (2016). Effect of root morphological traits on zinc efficiency in Iranian bread wheat genotypes. *Acta Agriculturae Scandinavica (Section B - Soil & Plant Science)*, 66(7): 1-8. [Abstract](#) | [Full Text \(939 K\)](#)
- 66) Tarkesh Esfahani, S., **Karimzadeh, G.**, and Naghavi, M. R. (2016). 2C DNA value of Persian poppy (*Papaver bracteatum* Lindl.) medicinal plant as revealed by flow cytometry analysis; a quick effective criteria for distinguishing unidentified *Papaver*

- species. *International Journal of Advanced Biotechnology and Research*, 7(2): 573-578. [Abstract](#) | [Full Text \(3.6 M\)](#)
- 67) Ahmadi-Roshan, M., **Karimzadeh, G.**, Babaei, A., and Jafari, H. (2016). Karyological studies of *Fritillaria* (Liliaceae) species from Iran. *Cytologia*, 81(2): 1-9. [Abstract](#) | [Full Text \(821 K\)](#)
- 68) Javadian, N., **Karimzadeh, G.**, Sharifi, M., and Moieni, A. (2016). *In vitro* regeneration in *Linum album* Kotschy Ex Boiss. *Journal of Plant Researches*, 28(4): 737-745. (In Persian with English Abstract) [Abstract](#) | [Full Text \(263 K\)](#)
- 69) Javadian, N., **Karimzadeh, G.**, Sharifi, M., Moieni, A., and Tahsili, Zh. (2016). *In vitro* induction of tetraploidy in *Linum album* Kotschy ex Boiss using oryzalin treatment. *Iranian Journal of Medicinal and Aromatic Plants*, 32(2): 346-359 (In Persian with English Abstract) [Abstract](#) | [Full Text \(352 K\)](#)
- 70) Afkar, S., **Karimzadeh, G.**, and Jalali Javaran, M. (2015). Gene expression pattern of key genes in menthol biosynthesis pathway in different organs of peppermint (*Mentha piperita*). *Journal of Plant Genetic Research*, 2(1): 1-10. [Abstract](#) | [Full Text \(579 K\)](#)
- 71) Kakeshpour, T., Nayebi, S., Rashidi Monfared, S., Moieni, A., and **Karimzadeh, G.** (2015). Identification and expression analyses of MYB and WRKY transcription factor genes in *Papaver somniferum* L. *Physiology and Molecular Biology of Plants*, 21(4): 465-478. [Abstract](#) | [Full Text \(2.7 M\)](#)
- 72) Tavan, M., Mirjalili, M. H., and **Karimzadeh, G.** (2015). *In vitro* polyploidy induction: changes in morphological, anatomical and phytochemical characteristics of *Thymus persicus* (Lamiaceae). *Plant Cell, Tissue and Organ Culture (PCTOC)*, 122(3): 573-583. [Abstract](#) | [Full Text \(1.3 M\)](#)
- 73) Jafari, R., Moieni, A., **Karimzadeh, G.**, and Movahedi, Z. (2015). Effects of the BAP, Kin and GA3 on the *in vitro* shoot regeneration and effects of the activated charcoal and IAA on *in vitro* rooting in lisianthus plant (*Eustoma grandiflorum*). *Applied Crop Breeding*, 3(1): 57-67. (In Persian with English Abstract). [Abstract](#) | [Full Text \(648 K\)](#)
- 74) Abedi, R., Babaei, A., and **Karimzadeh, G.** (2015). Karyological and flow cytometric studies of Tulipa (Liliaceae) species from Iran. *Plant Systematics and Evolution*, 301: 1473-1484. [Abstract](#) | [Full Text \(1.04 M\)](#)
- 75) Majdi, M., **Karimzadeh, G.**, and Malboobi, M. A. (2015). The study of relative gene expression of key genes of terpene biosynthesis in tissues and different developmental stages of feverfew (*Tanacetum parthenium*) genotypes using Real-Time PCR. *Journal of Plant Genetic Research*, 1(2): 25-32. (In Persian with English Abstract). [Abstract](#) | [Full Text \(714 K\)](#)
- 76) Faramarzi, Sh., Yadollahi, A., Barzegar, M., and **Karimzadeh, G.** (2015). Comparison of most quality characteristics of red flesh apples and some Golab cultivars. *Journal of Crop Improvement*, 17(3): 729-741. (In Persian with English Abstract). [Abstract](#) | [Full Text \(891 K\)](#)
- 77) Moieni-Korbekandi, Z., **Karimzadeh, G.**, and Sharifi, M. (2014). Cold-induced changes of proline, malondialdehyde and chlorophyll in spring canola cultivars. *Journal of Plant Physiology and Breeding*, 4(1): 1-11. [Abstract](#) | [Full Text \(109 K\)](#)
- 78) Mohammadi, R., Dehghani, H., and **Karimzadeh, G.** (2014). Graphic analysis of trait relations of cantaloupe using the Biplot method. *Journal of Plant Production Researches* 21(4): 43-62. (In Persian with English Abstract)

- 79) Mohammadi, R., Dehghani, H., **Karimzadeh, G.**, and Dan, F. (2014). Study on relationships between yield and its components in Iranian cantaloupe genotypes. *Iranian Journal of Horticultural Sciences*, 45(1): 1-10. (In Persian with English Abstract). [Abstract](#) | [Full Text \(225 K\)](#)
- 80) Mohammadi, R., Dehghani, H., **Karimzadeh, G.**, and Dan, F. (2014). An estimation of genetic parameters, general and specific combining ability on endemic cantaloupe populations. *Modern Genetics Journal*, 8(4): 375-386 (In Persian with English Abstract). [Full Text \(5.1 M\)](#)
- 81) Mohammadi, R., Dehghani, H., and **Karimzadeh, G.** (2014). Genetic analysis of yield components, early maturity and total soluble solids in cantaloupe (*Cucumis melo* L. subsp. *melo* var. *cantalupensis* Naudin). *Yuzuncu Yil Univ. Journal of Agricultural Sciences*, 24(1): 79-86. [Abstract](#) | [Full Text \(223 K\)](#)
- 82) Majdi, M., **Karimzadeh, G.**, and Malboobi, M. A. (2014). Spatial and developmental expression of key genes of terpene biosynthesis in feverfew (*Tanacetum parthenium*). *Biologia Plantarum* 58(2): 379-384. [Abstract](#) | [Full Text \(606 K\)](#)
- 83) Jafari, H., Babaei, A., **Karimzadeh, G.**, Ahmadi-Roshan, M. (2014). Cytogenetic study on some *Fritillaria* species of Iran. *Plant Systematics and Evolution*, 300: 1373-1383. [Abstract](#) | [Full Text \(1.28 M\)](#)
- 84) Bagherikia, S., **Karimzadeh, G.**, and Naghavi, M. R. (2014). Distribution of 1AL.1RS and 1BL.1RS wheat-rye translocations in *Triticum aestivum* using specific PCR. *Biochemical Systematics and Ecology*, 55: 20-26. [Abstract](#) | [Full Text \(213.2 K\)](#)
- 85) Afkar, S. and **Karimzadeh, G.** (2014). Changing in the chemical composition of the essential oils of *Mentha piperita* after MeJA treatment. *International Journal of Agriculture and Crop Sciences*, 7(15): 1493-1496. [Full Text \(398 K\)](#)
- 86) Moieni-Korbekandi, Z., **Karimzadeh, G.**, and Sharifi, M. (2013). Evaluation of total soluble protein and antioxidant activities in two spring cultivars of canola (*Brassica napus* L.) in response to low temperature. *International Journal of Agriculture and Crop Sciences*, 5(4): 401-409.
- 87) Shariat, A., **Karimzadeh, G.**, and Asareh, M. H. (2013). Karyology of Iranian endemic *Satureja* (Lamiaceae) species. *Cytologia* 78(3): 305-312. [Abstract](#) | [Full Text \(372 K\)](#)
- 88) Tabibzadeh, N., **Karimzadeh, G.**, and Naghavi, M. R. (2013). Distribution of 1AL.1RS and 1BL.1RS wheat-rye translocations in Iranian wheat, using PCR based markers and SDS PAGE. *Cereal Research Communications*, 41(3): 458-467. [Abstract](#) | [Full Text \(129.0 K\)](#)
- 89) Hatami-Maleki, H., **Karimzadeh, G.**, Darvishzadeh, R., Naghavi, M. R., and Sarrafi, A. (2013). Identification of QTLs associated with low chloride accumulation in oriental tobacco. *GENETIKA* 45(3): 855-864. [Abstract](#) | [Full Text \(390 K\)](#).
- 90) Fahimirad, S., **Karimzadeh, G.**, and Ghanati, F. (2013). Cold-induced changes of antioxidant enzymes activity and lipid peroxidation in two canola (*Brassica napus* L.) cultivars. *Journal of Plant Physiology and Breeding*, 3(1): 1-11. [Abstract](#) | [Full Text \(551 K\)](#)
- 91) Bagherikia, S., **Karimzadeh, G.**, and Naghavi, M. R. (2013). Identification of rust-resistance genes (*Lr26*, *Sr31*, *Yr9*) using specific PCR. *Crop Biotechnology*, 5: 129-138. [Abstract](#) | [Full Text \(294 K\)](#)

- 92) Afkar, S., **Karimzadeh, G.**, Jalali-Javaran, M., Sharifi, M., and Behmanesh, M. (2013). Influence of methyl jasmonate on menthol production and gene expression in peppermint (*Mentha x piperita* L.). *Journal of Medicinal Plants and By-products*, 2(1): 75-82. [Abstract](#) | [Full Text \(539 K\)](#)
- 93) Afkar, S., **Karimzadeh, G.**, Jalali Javaran, M., Sharifi, M., and Behmanesh, M. (2013). Methyl jasmonate-induced changes in non- and antioxidant-enzymatic defense in peppermint (*Mentha piperita*). *Journal of Plant Physiology and Breeding*, 3(1): 13-21. [Abstract](#) | [Full Text \(90 K\)](#)
- 94) Rajabi, S., **Karimzadeh, G.**, Ghanati, F., and Asilan, K. S. (2012). Salt-induced changes on antioxidant enzymes activity of winter canola (*Brassica napus*) cultivars in growth chamber. *Journal of Plant Physiology and Breeding*, 2(1): 11-21. [Abstract](#) | [Full Text \(104 K\)](#)
- 95) **Karimzadeh, G.** (2012). Effect of Low Temperature on Cell Division and Morphology of Wheat. 356 p. [LAP LAMBERT Academic Publishing GmbH & Co. KG](#). Heinrich-Böcking-Straße 6-8. 66121 Saarbrücken, Germany. Available online at <http://www.amazon.com/gp/product/3847339508>
- 96) Hatami-Maleki, H., **Karimzadeh, G.**, Darvishzadeh, R., and Alavi, R. (2012). Genetic variation of oriental tobaccos using multivariate analysis. *Iranian Journal of Field Crops Research*, 10(1): 100-106. [Abstract](#) | [Full Text \(148 K\)](#)
- 97) Ebadi-Almas, D., **Karimzadeh, G.**, and Mirzaghaderi, G. (2012). Karyotypic variation and karyomorphology in Iranian endemic ecotypes of *Plantago ovata* Forsk. *Cytologia*, 77(2): 215-223. [Abstract](#) | [Full Text \(2.9 M\)](#)
- 98) Akbari, F., **Karimzadeh, G.**, Moieni, A., and Hatami-Maleki, H. (2012). Karyotypic variation in some rapeseed (*Brassica napus*) cultivars using multivariate analysis. *Pajouhesh-va-Sazandegi*, 95: 97-107 (In Persian with English Abstract). [Abstract](#) | [Full Text \(1162 K\)](#)
- 99) Shobbar, Z-S., Malboobi, M. A., Jalali Javaran, M., **Karimzadeh, G.**, and Bennett, J. (2012). Induction of *OsVPI* transcription factor encoding gene by drought stress and ABA at reproductive stage of rice. *Modern Genetics Journal*, 7(2): 203-208 (In Persian with English Abstract). [Abstract](#) | [Full Text \(1162 K\)](#)
- 100) Zebarjadi, A. R., Jalali-Javaran, M., Salmanian, A. H., and **Karimzadeh, G.** (2011). Cloning and characterization of responsible gene for erucic acid biosynthesis in *Brassica napus*. *Iranian Journal of Biology*, 24(1): 10-24. (In Persian with English Abstract)
- 101) Rinalducci, S., Egidi, G. M., **Karimzadeh, G.**, Rastgar-Jazii, F., and Zolla, L. (2011). Proteomic analysis of a spring wheat cultivar in response to prolonged cold stress. *Electrophoresis*, 32(14):1807-1818. [Abstract](#) | [Full Text \(412 K\)](#)
- 102) Paknia, R. and **Karimzadeh, G.** (2011). Karyotypic study and chromosome evolution in some Iranian local onion populations. *Journal of Plant Physiology and Breeding*, 1(1): 49-62. [Abstract](#) | [Full Text \(906.3 K\)](#)
- 103) Mirzaghaderi, G., Zeinali, G., Rafiepour, M., and **Karimzadeh, G.** (2011). Wheat-rye translocation in Iranian bread wheats and their ion distribution in response to salinity stress. *Journal of Agricultural Science and Technology (JAST)*, 13: 1163-1172. [Abstract](#) | [Full Text \(1.8 M\)](#)

- 104) Majdi, M., Liu, O., **Karimzadeh, G.**, Malboobi, M. A., Beekwilder, J., Cankar, K., de Vos, R., Todorović, S., Simonović, A., and Bouwmeester, H. (2011). Biosynthesis and localization of parthenolide in glandular trichomes of feverfew (*Tanacetum parthenium* L. Schulz Bip.). *Phytochemistry*, 72: 1739-1750. [Abstract](#)
- 105) **Karimzadeh, G.**, Danesh-Gilevaei, M., and Aghaalikhani, M. (2011). Karyotypic and nuclear DNA variations in *Lathyrus sativus* (Fabaceae). *Caryologia*, 64(1): 42-54. [Abstract](#) | [Full Text \(1.2 M\)](#)
- 106) Jahanbakhsh-Godehkahriz, S., Rastgar-Jazii, F., Lello, Z., **Karimzadeh, G.**, Mahfoozi, S., Hosseini-Salekdeh, G., Gholipoori, A., and Jahanbakhsh-Godehkahriz, S. (2011). E-survey (surveys based on e-mail & web) Analysis and identification of cold responsive proteins in Kohdasht spring wheat (*Triticum aestivum*). *Procedia Computer Science*, 3: 70-73. [Abstract](#) | [Full Text \(171 K\)](#)
- 107) Hatami-Maleki, H., **Karimzadeh, G.**, Darvishzadeh, R., and Sarrafi, A. (2011). Correlation and sequential path analysis of some agronomic traits in tobacco (*Nicotiana tabaccum* L.) to improve dry leaf yield. *Australian Journal of Crop Science*, 5(12): 1644-1648. [Abstract](#) | [Full Text \(119.3 K\)](#)
- 108) Danesh-Gilevaei, M., **Karimzadeh, G.**, and Aghaalikhani, M. (2011). Genetic variation and factor analysis for morphological and phenological traits in some grasspea (*Lathyrus sativus*) genotypes. *Iranian Journal of Field Crop Science*, 42(2): 243-254. (In Persian with English Abstract). [Abstract](#) | [Full Text \(297 K\)](#)
- 109) Yaghteen, A., Jalali Javaran, M., and **Karimzadeh, G.** (2011). Transformation of *Interferon gamma - Oleosin* genes to Carthamine (*Carthamus tinctorius* L.). *Genetic Engineering and Biosafety Journal*, 1(2): 93-102. (In Persian). [Full Text \(585 K\)](#)
- 110) Alirezalu, A., Alirezalu, K., **Karimzadeh, G.**, and Omidbaigi, R. (2011). Effect of environmental factors on physicochemical properties of castor oil (*Ricinus communis* L.). *Journal of Medicinal Plants*, 10(4): 97-106. (In Persian with English Abstract) [Abstract](#) | [Full Text \(514 K\)](#)
- 111) Omidbaigi, R., Fattahi, F., Fattahi, F., and **Karimzadeh, G.** (2010). Harvest time effect on the herb yield and essential oil content of lemon thyme (*Thymus × citriodorus* (Pers.) Schreb). *Iranian Journal of Medicinal and Aromatic Plants*, 26(3): 317-325. (In Persian with English Abstract). [Abstract](#) | [Full Text \(197 K\)](#)
- 112) Mirzaghaderi, G., **Karimzadeh, G.**, Hassani, H. S., Jalali-Javaran, M., and Baghizadeh, A. (2010). Cytogenetic analysis of hybrids derived from wheat and *Tritopyrum* using conventional staining and genomic *in situ* hybridization. *Biologia Plantarum*, 54(2): 252-258. [Abstract](#) | [Full Text \(506.9 K\)](#)
- 113) Mirzaghaderi, G., Hassani, H. S., and **Karimzadeh, G.** (2010). C-banded karyotype of *Thinopyrum bessarabicum* and identification of its chromosomes in wheat background. *Genetic Resources and Crop Evolution*, 57: 319-324. [Abstract](#) | [Full Text \(258.9 K\)](#)
- 114) Majdi, M., **Karimzadeh, G.**, Malboobi, M. A., Omidbaigi, R., and Mirzaghaderi, G. (2010). Induction of tetraploidy to feverfew (*Tanacetum parthenium* Schulz-Bip.): morphological, physiological, cytological and phytochemical changes. *HortScience*, 45(1): 16-21. [Abstract](#) | [Full Text \(1.8 M\)](#)
- 115) Mahdavi, S. and **Karimzadeh, G.** (2010). Karyological and nuclear DNA content variation in some Iranian endemic *Thymus* species (Lamiaceae). *Journal of*

- Agricultural Science and Technology (JAST), 12(4): 447-458. [Abstract](#) | [Full Text \(734.9 K\)](#)
- 116) **Karimzadeh, G.**, Mousavi, S. H., Jafarkhani-Kermani, M., and Jalali-Javaran, M. (2010). Karyological and nuclear DNA variation in Iranian endemic muskmelon (*Cucumis melo* var. *Inodorus*). *Cytologia*, 75(4): 451-461. [Abstract](#) | [Full Text \(2.7 M\)](#)
- 117) **Karimzadeh, G.**, Ashkani, S., Ahmadian-Tehrani, P., Davoodi, D., and Mirzaghaderi, G. (2010). Cytogenetic studies of some Iranian wild wheat species (*Aegilops*) and OR banding. *Iranian Journal of Field Crop Science*, 41(2): 305-313. (In Persian with English Abstract). [Abstract](#) | [Full Text \(344 K\)](#)
- 118) Javadian, N., **Karimzadeh, G.**, Mahfoozi, S., and Ghanati, F. (2010). Cold-induced changes of enzymes, proline, carbohydrates and chlorophyll in wheat. *Russian Journal of Plant Physiology*, 57(4): 540-547. [Abstract](#) | [Full Text \(203.6 K\)](#)
- 119) Afkar, S., **Karimzadeh, G.**, and Jafari, A. A. (2010). Genetic variation in tall fescue (*Festuca arundinacea* Schreb) populations based on seed storage protein polymorphism. *Journal of New Seeds*, 11(4): 390-398. [Abstract](#)
- 120) Zebarjadi, A. R., Jalali-Javaran, M., Salmanian, A. H., **Karimzadeh, G.**, and [Tarbiat Modares Univ.](#) (2009). Production of Transgenic High Oil Quality Canola using Antisense Technology (RNA Antisense). Patent No. 526524, September 11, 2009.
- 121) Mirzaghaderi, G., **Karimzadeh, G.**, Shahsavand Hassani, H., Jalali-Javaran, M., and Baghizadeh, A. (2009). Production and assessment of chromosomal constitution and fertility of secondary *Tritipyrum*. *Iranian Journal of Field Crop Science*, 40(2): 85-92 (In Persian with English Abstract). [Abstract](#) | [Full Text \(282.7 K\)](#)
- 122) Majdi, M., **Karimzadeh, G.**, Omidbaigi, R., Mirzaghaderi, G., and [Tarbiat Modares Univ.](#) (2009). Induction and Introduction of a Tetraploid Medicinal-Ornamental Feverfew (*Tanacetum parthenium*) Plant using Colchicine. Patent No. 56694, January 28, 2009.
- 123) Majdi, M., **Karimzadeh, G.**, and Mahfoozi, S. (2009). The relationship between developmental accumulation of leaf soluble proteins and vernalization response of wheat (*Triticum aestivum* L. em. Thell). *Agricultural Sciences in China*, 8(4): 410-417. [Abstract](#)
- 124) Mahdavi, Z., **Karimzadeh, G.**, and Maddah-Arefi, H. (2009). Chromosomal variation studies in some thyme medicinal plant species. *Iranian Journal of Horticultural Sciences*, 40(1): 29-36 (In Persian with English Abstract). [Abstract](#) | [Full Text \(183.8 K\)](#)
- 125) Khanamani Falahati Pour, S., Shahsavand Hassani, H., Baghizadeh, A., and **Karimzadeh, G.** (2009). The selection of secondary *Tritipyrum* genotypes by genomic *in situ* hybridization (GISH). *Journal of Sciences and Technology of Agriculture and Natural Resources*, 13(48): 65-74 (In Persian with English Abstract). [Abstract](#) | [Full Text \(274.6 K\)](#)
- 126) Jahanbakhsh-Godehkahriz, S., **Karimzadeh, G.**, Rastgar-Jazii, F., Mahfoozi, S., and Hosseini-Salekdeh, G. (2009). Influence of vernalization on some physiological characteristics and cold tolerance in two susceptible and tolerant cultivars of bread wheat. *Electronic Journal of Crop Production (EJCP)*, 2(3): 85-106. (In Persian with English Abstract). [Abstract](#) | [Full Text \(625.1 K\)](#)

- 127) Hosseini, S-Z., **Karimzadeh, G.**, and Mohammadi-Goltapeh, E. (2009). Effect of colchicine on nuclei diameter, yield and cap size of Oyster mushroom (*Pleurotuse ostreatus*). Journal of Agricultural Science, 19(2): 254-261. (In Persian with English Abstract). [Abstract](#) | [Full Text \(204.5 K\)](#)
- 128) Ghaffari, S. M., **Karimzadeh, G.**, and Najafi, A. A. (2009). Occurrence of reciprocal translocation in *Lathyrus boissieri* Sirj (Fabaceae) from Iran. Cytologia, 74(2): 195-199. [Abstract](#) | [Full Text \(2.5 M\)](#)
- 129) Bagherian, M., Mahfoozi, S., Bozorgipour, R., and **Karimzadeh, G.** (2009). Developmental control of low-temperature tolerance in wheat doubled haploid lines under field conditions. Journal of Crop Sciences, 1(2): 125-135. (In Persian).
- 130) Afkar, S., **Karimzadeh, G.**, and Jafari, A. (2009). Study of morphological variation in some genotypes of *Festuca arundinacea* using multivariate analysis. Iranian Journal of Field Crop Science, 40(3): 151-160 (In Persian with English Abstract). [Abstract](#) | [Full Text \(434.4 K\)](#)
- 131) Khanamani Falahati Pour, S., Shahsavand Hassani, H., Baghizadeh, A., **Karimzadeh, G.**, and Portabrizi, S. (2008). The production of secondary *Tritipyrum* genotypes and study of aneuploidy and homoeology in F<sub>1</sub> and F<sub>2</sub> progenies by chromosome engineering methods. Agricultural Research, 8(1B): 221-232. [Abstract](#) | [Full Text \(300 K\)](#)
- 132) Shobbar, Z-S., Oane, R., Gamuyao, R., Malboobi, M. A., **Karimzadeh, G.**, Jalali-Javaran, M., and Bennett, J. (2008). Abscisic acid regulates gene expression in cortical fiber cells and silica cells of rice shoots. New Phytologist, 178(1): 68-79. [Abstract](#) | [Full Text \(494 K\)](#)
- 133) Shobbar, Z-S., Malboobi, M. A., **Karimzadeh, G.**, Jalali-Javaran, M., Mohammadi-Negad, G., and Bennett, J. (2008). Drought stress and plant hormonal impact on rice peduncle elongation. Iranian Journal of Biology, 21(3): 411-420. (In Persian with English Abstract) [Full Text \(342 K\)](#)
- 134) Shobbar, Z., Malboobi, M. A., Jalali-Javaran, M., **Karimzadeh, G.**, Mohammadi-Negad, G., Rowendran, M., and Bennett, J. (2008). Incomplete rice panicle exertion in cytoplasmic sterile lines and gibberellic acid effect. Iranian Journal of Field Crop Science, 39(1): 23-32 (In Persian with English Abstract). [Full Text \(2.18 M\)](#)
- 135) Majdi, M., **Karimzadeh, G.**, and Mahfoozi, S. (2008). Effects of low temperature and exogenous calcium on the quantum efficiency of photosystem II (Fv/Fm) and relative content of chlorophyll in cold susceptible and tolerant wheat cultivars. Pajouhesh-va-Sazandegi, 77: 175-181. (In Persian with English Abstract). [Abstract](#)
- 136) Kahrizi, D., Salmanian, A. H., Mousavi, A., Moieni, A., and **Karimzadeh, G.** (2008). 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-va-Sazandegi, 79: 151-159 (In Persian with English Abstract). [Abstract](#)
- 137) Haddadi, P., Moieni, A., **Karimzadeh, G.**, and Abdollahi, M. (2008). Effects of gibberellin, abscisic acid and embryo desiccation on normal plantlet regeneration, secondary embryogenesis and callogenesis in microspore culture of

*Brassica napus* L. cv. PF<sub>704</sub>. International Journal of Plant Production (IJPP), 2(2): 153-162. [Abstract](#) | [Full Text \(349 K\)](#)

- 138) Bagherian, M., Bozorgipour, R., Mahfoozi, S., **Karimzadeh, G.**, and Bakhtiar, F. (2008). Response of three cold tolerant wheat (*Triticum aestivum* L.) genotypes to haploid production through chromosome elimination. Seed and Plant, 24(3): 601-605. (In Persian with English Abstract) [Abstract](#)
- 139) Paknia, R., **Karimzadeh, G.**, and Khodadadi, M. (2007). Studies of morphological variation and path analysis in some Iranian native onion (*Allium cepa* L.) populations. Iranian Journal of Agricultural Sciences, 38 (1): 131-140 (In Persian with English Abstract).
- 140) Jahanbakhsh-Godehkahriz, S., **Karimzadeh, G.**, and Rastegar, F. (2007). Low temperature-induced accumulation of, and SDS-PAGE changes in soluble proteins in the leaves of spring and winter wheat genotypes. Journal of Agricultural Science, 16(4): 73-83. (In Persian with English Abstract) [Abstract](#)
- 141) Zebarjadi, A. R., Jalali, M., Salmanian, A. H., **Karimzadeh, G.**, Moieni, A., and Mousavi, A. (2006). Isolation and antisense construction of *fae* gene and its transfer to *Brassica napus*. Iranian Journal of Agricultural Sciences, 37-1(2): 257-271. (In Persian with English Abstract) [Abstract](#)
- 142) Zebarjadi, A. R., Jalali, M., **Karimzadeh, G.**, Moieni, A., Mousavi, A., and Salmanian, A. H. (2006). Transformation of rapeseed (*Brassica napus* L.) plants with sense and antisense constructs of the fatty acid elongase gene. Iranian Journal of Biotechnology, 4(2): 79-87. (In English) [Abstract](#) | [Full Text \(1.1 M\)](#)
- 143) Khavari-Khorasani, S., Mansoori, N., Moieni, A., Mousavi, A., and **Karimzadeh, G.** (2006). Study of callus induction and plant regeneration of maize genotypes (*Zea mays* L.) using immature embryo culture. Pajouhesh-va-Sazandegi, 73: 43-49 (In Persian with English Abstract). [Abstract](#)
- 144) **Karimzadeh, G.**, Sharifi-Sirchi, G. R., Jalali-Javaran, M., Dehghani, H., and Francis, D. (2006). Soluble proteins induced by low temperature treatment in the leaves of spring and winter wheat cultivars. Pakistan Journal of Botany, 38(4): 1015-1026. [Abstract](#) | [Full Text \(283 K\)](#)
- 145) Haddadi, P., Moieni, A., **Karimzadeh, G.**, and Abdollahi, M. (2006). Study of plant regeneration traits in obtained embryos from various containers in microspore culture of rapeseed (*Brassica napus* cv. PF7045/91). Journal of Science Univ. of Tehran, 32(1): 49-56 (In Persian with English Abstract). [Abstract](#) | [Full Text \(1.18 M\)](#)
- 146) Ghaffaripour, S. and **Karimzadeh, G.** (2006). Karyotype and evolution studies in some hull-less barley (*Hordeum vulgare*) genotypes. Iranian Journal of Agricultural Sciences, 37-1(3): 425-434. (In Persian with English Abstract) [Abstract](#)
- 147) Biranvand, A., **Karimzadeh, G.**, and Sorooshzadeh, A. (2006). Study of a vernalization temperature on quantitative and electrophoretic changes of leaf soluble proteins in winter and spring canola (*Brassica napus*) cultivars. Journal of Agricultural Sciences, and Natural Resources, 12(4 Supplement): 182-189 (In Persian with English Abstract). [Abstract](#)
- 148) Basati, J., Mesbah, M., **Karimzadeh, G.**, and Sadegheian, S. Y. (2006). Analysis of genetic resistance to powdery mildew disease in sugar beet. Journal of Sugar Beet, 21(2): 105-122 (In Persian with English Abstract). [Abstract](#)

- 149) Omidbaigi, R., Pirmoradi, M. R., and **Karimzadeh, G.** (2005). Effects of different methods of root incision on the yield and survival of Asafoetida (*Ferula assafoetida* L.). Iranian Journal of Natural Resources, 57(4): 791-798 (In Persian with English Abstract). [Abstract](#)
- 150) Khavari-Khorasani, S., Poormohamadi, P., Moieni, A., Mousavi, A., **Karimzadeh, G.**, and Jalali, M. (2005). Induction of embryo-like structures in maize (*Zea mays* L.) genotypes via anther culture. Pajouhesh-va-Sazandegi, 67: 17-24 (In Persian with English Abstract). [Abstract](#)
- 151) **Karimzadeh, G.**, Darvishzadeh, R., Jalali-Javaran, M., and Dehghani, H. (2005). Cold-induced accumulation of protein in the leaves of spring and winter barley cultivars. Acta Biologica Hungarica, 56(1-2): 83-96. [Abstract](#)
- 152) Arzani, K., Khoshghalb, H., and **Karimzadeh, G.** (2005). Scion/rootstock influence on grafting success, early performance, tree survival and efficiency of nutrient uptake of some Asian pear (*Pyrus serotina* Rhed) cultivars. Acta Horticulturae 671: 477-480. [Abstract](#)
- 153) Arzani, K., Nejatian, M. A., and **Karimzadeh, G.** (2005). Apricot (*Prunus armeniaca*) pollen morphological characterisation through scanning electron microscopy, using multivariate analysis. New Zealand Journal of Crop and Horticultural Science, 33: 381-388. [Abstract](#) | [Full Text \(283 K\)](#)
- 154) Yazdanseta, S., **Karimzadeh, G.**, and Sarvestani, Z. T. (2004). Karyotypic studies in some hull-less barley (*Hordeum vulgare* L.) genotypes. Iranian Journal of Agricultural Sciences, 35(4): 827-837 (In Persian with English Abstract).
- 155) **Karimzadeh, G.**, Francis, D., and Davies, M. S. (2004). Low temperature-induced G1-accumulated cells in the callus in winter wheat but not in spring wheat. In: "[In Vitro Culture Transformation and Molecular Markers for Crop Improvement](#)", ed. Islam, A. S., pp. 65-74. Science Publishers, Inc., Enfield, NH, USA.
- 156) **Karimzadeh, G.** and Omidbaigi, R. (2004). Growth and seed characteristics of isabgol (*Plantago ovata* Forsk) as influenced by some environmental factors. Journal of Agricultural Science and Technology (JAST), 6: 103-110. [Abstract](#) | [Full Text \(697.1 K\)](#)
- 157) Kahrizi, D., Salmanian, A. H., Afshari, A., Mousavi, A., Moieni, A., and **Karimzadeh, G.** (2004). Isolation, molecular analysis and site directed mutagenesis in *E. coli* EPSPS gene in order to make glyphosate tolerant rapeseed (*Brassica napus*). Pajouhesh-va-Sazandegi, 64: 94-103 (In Persian with English Abstract). [Abstract](#)
- 158) Jahanbin, S. H., Tahmasebi-Sarvestani, Z., Modares-Thanavi, S .A. M., and **Karimzadeh, G.** (2004). Effect of drought stress on grain yield, some of yield component and resistance indices in hull-less barley genotypes. Journal of Agricultural Sciences and Natural Resources, 10(4): 25-34 (In Persian with English Abstract). [Abstract](#)
- 159) Omidbaigi, R., **Karimzadeh, G.**, and Koshki, M. H. (2003). A study on the influence of sowing date and plant density on the productivity of *Silybum marianum* and the characteristics correlation. Iranian Journal of Science and Technology, 27(A1): 203-212. (In English) [Abstract](#)

- 160) **Karimzadeh, G.**, Bagheri, K., and Jalali-Javaran, M. (2003). Changes in the callus soluble proteins of winter and spring wheat cultivars following cold treatment. *Plant Tissue Culture (PTC)*, 13(2): 135-144. [Full Text \(158.5 K\)](#)
- 161) Mirzaie-Nadoushan, H., Zebarjadi, A. R., and **Karimzadeh, G.** (2002). Karyotypic and morphologic investigation of several *Bromus (Bromus tomentellus)* populations. *Pajouhesh-va-Sazandegi*, 54: 22-27. (In Persian with English Abstract) [Abstract](#)
- 162) Zebarjadi, A. R., Mirzaie-Nadoushan, H., and **Karimzadeh, G.** (2001). Investigation of genetic variation of *Bromus tomentellus*, using statistical multivariate methods. *Pajouhesh-va-Sazandegi*, 51: 2-7. (In Persian with English Abstract) [Abstract](#)
- 163) Saidi, A., Abedini-Esfahlani, M., **Karimzadeh, G.**, and Alizadeh, A. (2001). Inheritance of resistance to *Fusarium* head blight in six wheat cultivars (*Triticum aestivum* L.). *Seed and Plant*, 17(1): 74-87. (In Persian with English Abstract) [Abstract](#)
- 164) **Karimzadeh, G.**, Omidbaigi, R., and Bakhshi, D. (2001). Influence of irrigation and row spacing on the growth, seed yield and active substance of milk thistle (*Silybum marianum*). *International Journal of Horticultural Science*, 7(3-4): 78-81. [Abstract](#)
- 165) Abedini-Esfahlani, M., Saidi, A., **Karimzadeh, G.**, and Alizadeh, A. (2001). Study of different assessment methods of resistance to *Fusarium graminearum* spread in wheat spikes. *Seed and Plant*, 16(4): 481-494. (In Persian with English Abstract) [Abstract](#)
- 166) Mirzaie-Nadoushan, H., Zebarjadi, A. R., and **Karimzadeh, G.** (2000). Karyotypic investigations of some *Bromus tomentellus* population and their karyotypic correlations. *Iranian Journal of Botany*, 8(2): 287-298. (In English) [Abstract](#) | [Full Text \(316.3 K\)](#)
- 167) **Karimzadeh, G.**, Francis, D., and Davies, M. S. (2000). Low temperature-induced accumulation of protein is sustained both in root meristems and in callus in winter wheat but not in spring wheat. *Annals of Botany*, 85: 769-777. [Abstract](#) | [Full Text \(237.5 K\)](#)
- 168) **Karimzadeh, G.** (1996). The Effect of Temperature on Cell Division and Shoot and Root Morphology of Spring and Winter Cultivars of *Triticum aestivum*. Ph.D. Thesis, [Cardiff Univ.](#), UK. [Full Text \(462.6 K\)](#)
- 169) **Karimzadeh, G.**, Kovács, G., and Barnabás, B. (1995). Effects of cold treatment and different culture media on the androgenic capacity of two winter wheat genotypes. *Cereal Research Communications*, 23(3): 223-227. [Abstract](#)
- 170) **Karimzadeh, G.** (1992). Effects of Cold Treatment and Different Culture Media on the Androgenic Capacity of Two Winter Wheat Genotypes. M.Sc. Thesis, [Gödöllő Univ. of Agricultural Sciences](#), Hungary. (In English) [Full Text \(527 K\)](#)

#### **VIII. Seminars and Conferences Attained:**

- 1) [6<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran. 17-19 Jan, 2023, Tabriz, Iran.](#)
- 2) [2<sup>nd</sup> International Conference on Biotechnology and Global Development. 30 Apr, 2022, Pasteur Institute of Iran, Tehran, Iran.](#)
- 3) [4<sup>th</sup> International and 16<sup>th</sup> Iranian Genetics Congress, 15-17 Apr, 2020. Tarbiat Modares Univ. \(TMU\), Tehran, Iran.](#)

- 4) [3<sup>rd</sup> International and 11<sup>th</sup> National Biotechnology Congress of Iran. 1-3 Sep, 2019, Iran Univ. of Medical Sciences, Tehran, Iran.](#)
- 5) [1<sup>st</sup> International Conference and 10<sup>th</sup> National Horticultural Science Congress \(IrHC2017\). 4-7 Sep, 2017, Tarbiat Modares Univ. \(TMU\), Tehran, Iran.](#)
- 6) [3<sup>rd</sup> Global Summit on Plant Science. 07-09 Aug, 2017, Rome, Italy.](#)
- 7) [20<sup>th</sup> EUCARPIA General Congress: Plant Breeding, the Art of Bringing Science to Life. 29 Aug-1 Sep, 2016, Zurich, Switzerland.](#)
- 8) [International Conference on Biological Products \(ICBP 2015\). 18-20 Sep, Shanghai, China.](#)
- 9) The World Academy of Science, Engineering and Technology. ICANRE 2012: International Conference on Agricultural and Natural Resources Engineering. 19-21 Feb, 2012, Pacific Regency Hotel Suites, Kuala Lumpur, Malaysia.
- 10) 6<sup>th</sup> National Biotechnology Congress of Iran. 13-15 Aug, 2009, Milad Tower Conference Hall, Tehran, Iran.
- 11) [2<sup>nd</sup> Iranian Proteomics Congress. 23-24 Apr, 2009, Royan Institute, Tehran, Iran.](#)
- 12) 1<sup>st</sup> European Conference of Iranian Scientists in Agriculture and Natural Resources Sciences. 8-9 Oct, 2008, Paris, France.
- 13) 6<sup>th</sup> Asian Crop Science Association Conference. 5-9 Nov, 2007, Queen Sirikit National Convention Center, Bangkok, Thailand.
- 14) 8<sup>th</sup> Iranian Crop Production and Breeding Congress. 25-27 Aug, 2004, Univ. of Guilan, Rasht, Iran.
- 15) 2<sup>nd</sup> Iranian Congress on Applied Biology. 29-30 Sep, 2004, Islamic Azad Univ., Mashhad, Iran.
- 16) 2<sup>nd</sup> Iranian Agricultural Students' Congress. 6 Sep, 2004, [Tarbiat Modares Univ.](#), Tehran, Iran.
- 17) 12<sup>th</sup> Iranian Biology Conference. 31 Aug-2 Sep, 2004, Bu Ali Sina Univ. of Hamedan, Hamedan, Iran.
- 18) 3<sup>rd</sup> National Biotechnology Congress. 9-11 Sep, 2003, Ferdowsi Univ. of Mashhad, Mashhad, Iran.
- 19) 3<sup>rd</sup> Iranian Congress on Minimizing Damages to Field and Orchard Crops Due to Chilling and Freezing. 10-11 Mar, 2003, Karaj, Iran.
- 20) 7<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding. 24-26 Aug, 2002, Seed and Plant Improvement Institute (SPII), Karaj, Iran.
- 21) 3<sup>rd</sup> International Iran and Russia Conference " Agriculture and Natural Resources". 18-20 Sep, 2002, Moscow Timiriazev Agricultural Academy (MTAA), Moscow, Russia.
- 22) 4<sup>th</sup> International Plant Tissue Culture Conference. 1-3 Nov, 2001, Univ. of Dhaka, Dhaka, Bangladesh.
- 23) 2<sup>nd</sup> National Biotechnology Congress. 9-11 Oct, 2001, Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran.
- 24) 1<sup>st</sup> Regional Yellow Rust Conference for Central and West Asia and North Africa. 8-14 May, 2001, Seed and Plant Improvement Institute (SPII), Karaj, Iran.

- 25) 1<sup>st</sup> Iranian Congress on Applied Biology. 6-7 Feb, 2001, Islamic Azad Univ., Mashhad, Iran.
- 26) 10<sup>th</sup> Iranian Biology Conference. 25 Aug, 2001, [Shiraz Univ.](#), Shiraz, Iran.
- 27) 9<sup>th</sup> Iranian Biology Conference. 15-17 Aug, 2000, [Univ. of Tehran](#), Tehran, Iran.
- 28) 6<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding. 3-6 Sep, 2000, Univ. of Mazandaran, Babolsar, Iran.
- 29) 1<sup>st</sup> National Congress of Biotechnology. 22-24 Feb, 2000, [Tarbiat Modares Univ.](#) (TMU), Tehran, Iran.
- 30) 5<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding. 31 Aug-4 Sep, 1998, Seed and Plant Improvement Institute (SPII), Karaj, Iran.
- 31) 6<sup>th</sup> Iranian Biology Conference. 25-27 Aug, 1997, Shahid Bahonar Univ., Kerman, Iran.
- 32) Departmental Postgraduate Meeting. 20 Jan, 1996, Cardiff School of Biosciences, Cardiff Univ., Cardiff, UK.
- 33) Annual Postgraduate Seminar of Plant Science. 9 Jan, 1996, Aberystwyth, UK.
- 34) 3<sup>rd</sup> Iranian Congress on Crop Production and Breeding Sciences. 3-8, Sep, 1994, Tabriz Univ., Tabriz, Iran.
- 35) 1<sup>st</sup> SCM9 and PAWS5/S6<sup>t</sup> Iranian Biotechnology Seminar, Univ. of Manchester, UK, 1993.

#### IX. Papers Presented in Conferences:

- 1) Maleki, S. and **Karimzadeh, G.** (2025). Study on medicinal properties, cytogenetics, and antioxidants of *Artemisia scoparia* Waldst. & Kit. In: The Proceedings of The 10<sup>th</sup> International Conference on Science and Technology of Agricultural Sciences, Natural Resources and Environment of Iran, 21 June, 2025, Tehran, Iran, pp. 1-6.
- 2) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2024). Monoploid genome size study in Iranian endemic populations of *Datura stramonium* medicinal plant. In: The Proceedings of the 6<sup>th</sup> International & 18<sup>th</sup> National Congress of Genetics in Iran, 22-24 May, 2024 (2-4, 03, 1403), Shaheed Beheshti University, Tehran, Iran, Code G-1664, pp. 1630-1631.
- 1) Haghshenas, Z., Kordenaeej, A., **Karimzadeh, G.**, and Hosseini, A. (2024). Evaluate the variation in genome size and flow cytometric estimated ploidy levels in Salsify populations (*Tragopogon* sp.). In: The Proceedings of the 6<sup>th</sup> International & 18<sup>th</sup> National Congress of Genetics in Iran, 22-24 May, 2024 (2-4, 03, 1403), Shaheed Beheshti University, Tehran, Iran, Code G-1669, pp. 1444-1446.
- 2) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2024). Investigation of genome size changes in four populations of *Datura innoxia* from Iran. In: The Proceedings of the 6<sup>th</sup> International & 18<sup>th</sup> National Congress of Genetics in Iran, 22-24 May, 2024 (2-4, 03, 1403), Shaheed Beheshti University, Tehran, Iran, Code G-1703, pp. 1533-1534.
- 3) Zare, M., **Karimzadeh, G.**, and Rashidi Monfared, S. (2024). Ploidy level and holoploid genome size in some Iranian populations of St. John's wort (*Hypericum perforatum* L.). In: The Proceedings of the 6<sup>th</sup> International & 18<sup>th</sup> National Congress

- of Genetics in Iran, 22-24 May, 2024 (2-4, 03, 1403), Shaheed Beheshti University, Tehran, Iran, Code G-1718, pp. 1574-1575.
- 4) Khakshour, A., **Karimzadeh, G.**, Sabet, M. S., and Sayadi, V. (2024). Cytogenetic variability in Iranian endemic populations of coriander (*Coriandrum sativum* L.): Karyomorphological and monoploid genome size studies. In: The Proceedings of the [6<sup>th</sup> International & 18<sup>th</sup> National Congress of Genetics in Iran, 22-24 May, 2024 \(2-4, 03, 1403\)](#), Shaheed Beheshti University, Tehran, Iran, Code G-1745, pp. 1633-1638.
  - 5) Yari, A., **Karimzadeh, G.**, Rashidi Monfared, S., and Sayadi, V. (2024). Chromosomal and nuclear DNA content variations in Iranian endemic *Cymbopogon olivieri* (Boiss.) Bor. In: The Proceedings of the [6<sup>th</sup> International & 18<sup>th</sup> National Congress of Genetics in Iran, 22-24 May, 2024 \(2-4, 03, 1403\)](#), Shaheed Beheshti University, Tehran, Iran, Code G-1746, pp. 1639-1644.
  - 6) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Chromosomal study in Iranian populations of *Datura stramonium*. In: [The 6<sup>th</sup> International Conference on Studies of Agricultural Engineering, Farming, and Plant Breeding](#), 21 August, 2024 (31, 05, 1403), Tehran, Iran, pp. 1-4.
  - 7) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Phytochemical study of *Datura innoxia* from Iran. In: The 10<sup>th</sup> National Congress on Medicinal Plants, 12-13 Jul, 2023, Urmia, Iran. Paper ID 109, P90.
  - 8) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Phytochemical study of *Datura stramonium* from Iran. In: The 10<sup>th</sup> National Congress on Medicinal Plants, 12-13 Jul, 2023, Urmia, Iran. ID 110, P91.
  - 9) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Volatile constituents of areal parts of *Datura stramonium* from Iran. In: [The 6<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-8.
  - 10) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., Rashidi Monfared, S., and Zare, M. (2023). Study on tropane alkaloids existing in two species of *Datura* (*Datura stramonium*, *D. innoxia*) medicinal plant. In: [The 6<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-7.
  - 11) Radmanesh, P., **Karimzadeh, G.**, and Beyraghdar Kashkooli, A. (2023). Caper (*Capparis spinosa* L.) ancient medicinal plant: secondary metabolites, applications, growth optimal conditions, and cultivation. In: [The 6<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-8.
  - 12) Zare, M. and **Karimzadeh, G.** (2023). Use of St. John's Wort (*Hypericum perforatum* L.) major secondary metabolites in pharmaceutical industry. In: [The 6<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-5.
  - 13) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Norani, M. (2022). Investigating the market of derivatives tropane alkaloids and the trade of processed products. In: [The Proceedings of The 2<sup>nd</sup> International Conference on Biotechnology and Global Development, 30 Apr, 2022, Pasteur Institute of Iran, Tehran, Iran](#), p. 149-150.

- 14) Mohammadpour, S. and **Karimzadeh, G.** (2020). Chromosomal, genome size, and phytochemical studies in goji berry (*Lycium* spp.) species. In: The Proceedings of the [4<sup>th</sup> International & 16<sup>th</sup> Iranian Genetics Congress, 15-17 Apr, 2020, Tarbiat Modares Univ. \(TMU\), Tehran, Iran](#), p. 1.
- 15) Farzifard, V. and **Karimzadeh, G.** (2019). Genomic imprinting in plant. In: The Proceedings of the [3<sup>rd</sup> International and 11<sup>th</sup> National Biotechnology Congress of Iran](#), 1-3 Sep, 2019, Iran Univ. of Medical Sciences, Tehran, Iran, pp. 1-6.
- 1) Madani, H., Hosseini, B., **Karimzadeh, G.**, and Rahimi, A. (2019). The effect of ploidy induction on the activity of certain antioxidant enzymes of Iranian poppy (*Papaver bracteatum* Lindl.). In: The Proceedings of the 11<sup>th</sup> Iranian Horticultural Sciences Congress, 26-29 Aug, 2019, Urmia Univ., Urmia, Iran, pp. 1-5.
- 2) Sayadi, V., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2018). Study of some *Allium* species in term of allicin content: the first report for some Iranian endemic *Allium* species. In: The Proceedings of the [3<sup>rd</sup> International and 15<sup>th</sup> National Iranian Crop Science Congress](#), 4-6 Sep, 2018, Karaj, Iran, pp. 1-4.
- 3) Sayadi, V., **Karimzadeh, G.**, Rashidi Monfared, S., and Naghavi, M. R. (2018). Identification and sequencing of alliinase enzyme gene involved in pathway of allicin biosynthesis with the first report for some Iranian endemic *Allium* species. In: The Proceedings of the [3<sup>rd</sup> International and 15<sup>th</sup> National Iranian Crop Science Congress](#), 4-6 Sep, 2018, Karaj, Iran, pp. 1-5.
- 4) Sayadi, V., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2017). Identification of alliin lyase (Alliinase) genes from Iranian endemic *Allium* species: First new report. In: The Proceedings of the [1<sup>st</sup> International Horticultural Science Conference of Iran \(IrHC2017\), 4-7 Sep, 2017, Tarbiat Modares Univ. \(TMU\), Tehran, Iran](#), p. 164.
- 5) **Karimzadeh, G.**, Salehi, M., Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2017). Survey of five *Artemisia* species with different artemisinin contents in view of relative expression of 13 genes involved in artemisinin production, karyology, and nuclear DNA content. In: The Proceedings of the [3<sup>rd</sup> Global Summit on Plant Science, 07-09 Aug, 2017, Rome, Italy](#), p. 86.
- 6) Madani, H., Hosseini, B., **Karimzadeh, G.**, Rahimi, E., and Hosseini, S. (2017). Effects of polyploidy on some morphological and cytological characteristics of Persian poppy (*Papaver bracteatum* Lindl.). In: The Proceedings of the 6<sup>th</sup> National Congress on Medicinal Plants, 9-10 May, 2017, Tehran, Iran, p. 587.
- 7) **Karimzadeh, G.**, Tarkesh Esfahani, S., and Naghavi, M. R. (2016). *In vitro* polyploidy induction in Persian endemic *Papaver bracteatum* (Papaveraceae). In: The Proceedings of the 20<sup>th</sup> EUCARPIA General Congress: Plant Breeding, the Art of Bringing Science to Life, 29 Aug-1 Sep, 2016, Zurich, Switzerland, p. 350.
- 8) Khakshor, A., **Karimzadeh, G.**, and Sabet, M. S. (2016). Study on morphological variation in different Iranian endemic coriander (*Coriandrum sativum* L.) populations. In: The Proceedings of the 2<sup>nd</sup> National Congress on the Development of Agricultural Science and Natural Resources, 11 May, Gorgan, Iran, 11 p.
- 9) Arzani, K., Sarikhani Khorami, S., Shojaeiyan, A., and **Karimzadeh, G.** (2016). Oil content and fatty acid composition of some superior Persian walnut (*Juglans regia* L.) genotypes. In: The Proceedings of the 9<sup>th</sup> Congress of Horticultural Sciences, 24-27 Jan, Ahvaz, Iran, pp. 1-5.

- 10) Hamidi, F., **Karimzadeh, G.**, and Khakshor, A. (2015). Genome size variation in some populations of Iranian endemic *Artemisia khorasanica* Podl. medicinal plant. In: The Proceedings of the 1<sup>st</sup> International and the 4<sup>th</sup> National Conference on Medical Herbs and Stable Agriculture, 17 Dec, Hamadan, Iran, pp. 1-6.
- 11) Shariat, A., **Karimzadeh, G.**, Assareh, M. H., and Hadian, J. (2015). Influence of ploidy level on drought tolerance in Iranian endemic *Satureja* medicinal plant. In: The Proceedings of the International Conference on Biological Products (ICBP 2015), 18-20 Sep, Shanghai, China, Article ID: ICBP2015Sep\_30013, pp. 24-25.
- 12) Hamidi, F., **Karimzadeh, G.**, and Khakshor, A. (2015). Programmed cell death in plants and study on its methods. In: The Proceedings of the International Conference on Sustainable Development with a focus on Agriculture, Environment and Tourism, 16-17 Sep, Tabriz, Iran, pp. 1-8.
- 13) Salehi, M., **Karimzadeh, G.**, Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2015). Relationship between glandular trichome density and artemisinin content in the leaves of six *Artemisia* species of Iran at flowering stage. In: The Proceedings of the 4<sup>th</sup> Iranian Conference of Plant Physiology, [Tarbiat Modares Univ.](#), Department of Biological Sciences, 2-3 Sep, Tehran, Iran.
- 14) Razavi Kashmiri, Z., Sharifi, M., Ahmadian Cheshmi, N., and **Karimzadeh, G.** (2015). Comparative studies of lignans production in diploid and induced tetraploid cell cultures of *Linum album*. In: The Proceedings of the 4<sup>th</sup> Iranian Conference of Plant Physiology, [Tarbiat Modares Univ.](#), Department of Biological Sciences, 2-3 Sep, Tehran, Iran.
- 15) Zarabizadeh, H., **Karimzadeh, G.**, and Firoozi, N. (2015). Mixoploidy within and between species in a wide range of medicinal plant. In: The Proceedings of the 1<sup>st</sup> National Conference on Herbs and Herbal Medicine, 28 May, Shahid Beheshti Univ., Tehran, Iran, pp. 1-16.
- 16) Firoozi, N., **Karimzadeh, G.**, and Zarabizadeh, H. (2015). Flow cytometric protocols for genome size determination in a wide range of medicinal plant. In: The Proceedings of the 1<sup>st</sup> National Conference on Herbs and Herbal Medicine, 28 May, Shahid Beheshti Univ., Tehran, Iran, pp. 1-14.
- 17) Tavan, M., Mirjalili, M. H., **Karimzadeh, G.**, and Bakhtiar, Z. (2015). Effect of different ploidy levels on the essential oil composition of *Thymus persicus*. In: The Proceedings of the 1<sup>st</sup> International and 9<sup>th</sup> National Biotechnology Congress of Islamic Republic of Iran, 24-26 May, Shahid Beheshti Univ., Tehran, Iran, pp. 1-5.
- 18) Khakshor, A., **Karimzadeh, G.**, and Hamidi, F. (2015). B chromosomes and their phenotypic and genotypic effects. In: The Proceedings of the 1<sup>st</sup> National Conference on Novel Findings in Bioscience and Agriculture, 21 May, Zabol Univ., Zabol, Iran, pp. 1-16.
- 19) Nayebi, S., Rashidi Monfared, S., **Karimzadeh, G.**, and Kakeshpour, T. (2015). Identification and isolation of a gene encoding MYB transcription factor in *papaver somniferum*. In: The Proceedings of the 4<sup>th</sup> National Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shaheed Beheshti Univ. of Meicinal Plants, Tehran, Iran, Vol. 14: Code 1227, p. 18.
- 20) Salehi, M., **Karimzadeh, G.**, Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2015). Comparative assessment of seven Iranian *Artemisia* species in view of glandular trichomes, using SEM technique. In: The Proceedings of the 4<sup>th</sup> National

Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shahid Beheshti Univ. of Medicinal Plants, Tehran, Iran, Vol. 14: Code 369, p. 64.

- 21) Tarkesh Esfahani, S., **Karimzadeh, G.**, and Naghavi, M. R. (2015). Flow cytometric 2C DNA value of Persian poppy (*Papaver bracteatum* Lindl.): a reliable method for undefined *Papaver* species. In: The Proceedings of the 4<sup>th</sup> National Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shahid Beheshti Univ. of Medicinal Plants, Tehran, Iran, Vol. 14: Code 755, p. 146.
- 22) Zarabizadeh, H., **Karimzadeh, G.**, and Rashidi Monfared, S. (2015). Intraspecific variation in genome size of some Iranian endemic ecotypes of *Trigonella monantha* L. medicinal plant. In: The Proceedings of the 4<sup>th</sup> National Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shahid Beheshti Univ. of Medicinal Plants, Tehran, Iran, Vol. 14: Code 1420, p. 323.
- 23) Firoozi, N., **Karimzadeh, G.**, and Sabet, M. S. (2015). Intraspecific variation in genome size of some Iranian endemic ecotypes of *Ferula assa-foetida* L. medicinal plant. In: The Proceedings of the 4<sup>th</sup> National Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shahid Beheshti Univ. of Medicinal Plants, Tehran, Iran, Vol. 14: Code 1423, p. 324.
- 24) Salehi, M., **Karimzadeh, G.**, Naghavi, M. R., Naghdibadi, H., and Rashidi Monfared, S. (2015). Determination of artemisinin content in 17 *Artemisia* species of Iran. In: The Proceedings of the 4<sup>th</sup> National Congress on Medicinal Plants, 12-13 May, School of Pharmacy, Shahid Beheshti Univ. of Medicinal Plants, Tehran, Iran, Vol. 14: Code 172, p. 423.
- 25) Ramezanizadeh, R., **Karimzadeh, G.**, and Babaei, A. (2012). Programmed cell death in rose (*Rosa hybrida* cv. Dolce vita+) cut flowers as influenced by chemical or physical factors. In: The Proceedings of the World Academy of Science, Engineering and Technology. ICANRE 2012: International Conference on Agricultural and Natural Resources Engineering, Issue 62, 19-21 Feb, Pacific Regency Hotel Suites, Kuala Lumpur, Malaysia, pp. 508-509.
- 26) Majdi, M., **Karimzadeh, G.**, and Malboobi, M. A. (2012). Isolation and characterization of two sesquiterpene synthases from feverfew medicinal plant. In: The Proceedings of 12<sup>th</sup> Iranian Genetics Congress, 21-23 May, Shahid Beheshti Univ. International Congress Center, Tehran, Iran, Code 1105, 5 p.
- 27) Bagherikia, S., **Karimzadeh, G.**, and Naghavi, M. R. (2012). Identification short arm of chromosome 1 of rye (1RS) in 36 Iranian bread wheat cultivars, using rye-specific marker. In: The Proceedings of 12<sup>th</sup> Iranian Genetics Congress, 21-23 May, Shahid Beheshti Univ. International Congress Center, Tehran, Iran, Code 900, 5 p.
- 28) Abedi, R., **Karimzadeh, G.**, and Babaei, A. (2012). Cytogenetic study in some Iranian endemic tulip flower (*Tulipa montana*) ecotypes. In: The Proceedings of 12<sup>th</sup> Iranian Genetics Congress, 21-23 May, Shahid Beheshti Univ. International Congress Center, Tehran, Iran, Code 584, 5 p.
- 29) Afkar, S., **Karimzadeh, G.**, Jalali-Javaran, M., and Sharifi, M. (2012). Methyl jasmonate-induced changes in total proteins, chlorophylls, anthocyanin and peroxidase enzyme of peppermint (*Mentha piperita*). In: The Proceedings of National Congress on Medicinal Plants, 16-17 May, Kish Island, Iran, p. 310.
- 30) Salaripor, S. and **Karimzadeh, G.** (2011). Cell synchronization in crops: principles and applied techniques. In: The Proceedings of the 2<sup>nd</sup> National Biology Congress of Young

Researchers, 4-7 Mar, Aivan Shams Hall, Kurdistan Highway, Tehran, Iran, Code No. 384202500, p. 49.

- 31) Rajabi, S., **Karimzadeh, G.**, Ghanati, F., and Hosseini, S. F. (2011). Salt-induced changes of proline, protein and soluble total carbohydrates in roots and shoots of some winter canola (*Brassica napus* L.) cultivars. In: The Proceedings of the 2<sup>nd</sup> National Biology Congress of Young Researchers, 4-7 Mar, Aivan Shams Hall, Kurdistan Highway, Tehran, Iran, Code No. 3732473260, p. 501.
- 32) Moeini-Korbekandi, Z., **Karimzadeh, G.**, and Sharifi, M. (2011). Effect of cold on total soluble proteins, activity of antioxidant enzymes and malondialdehyde content in two spring canola (*Brassica napus* L.) cultivars. In: The Proceedings of the 2<sup>nd</sup> Iranian Conference of Plant Physiology, 28-29 Apr, Yazd Univ., Yazd, Iran, pp. 447.
- 33) Moeini-Korbekandi, Z., **Karimzadeh, G.**, and Sharifi, M. (2011). Effect of low-temperature stress on quantitative amount and qualitative pattern of soluble total proteins in two canola cultivars (*Brassica napus* L.). In: The Proceedings of the 7<sup>th</sup> National Biotechnology Congress of I. R. Iran, 12-14 Sep, Niroo Research Institute, Tehran, Iran, Code 1344, 6 p.
- 34) Moeini-Korbekandi, Z. and **Karimzadeh, G.** (2011). Effects of abiotic stresses (drought, salinity, high and low temperatures) on plants cell cycle. In: The Proceedings of the 2<sup>nd</sup> National Biology Congress of Young Researchers, 4-7 Mar, Aivan Shams Hall, Kurdistan Highway, Tehran, Iran, Code No. 6609934290, p. 613.
- 35) Ebadi Almas, D., **Karimzadeh, G.**, Mirzaghaderi, G. (2011). FISH and C-banding in identification of karyomorphology of *Plantago ovata* Forsk. In: The Proceedings of the 7<sup>th</sup> National Biotechnology Congress of I. R. Iran, 12-14 Sep, Niroo Research Institute, Tehran, Iran, Code 417, 5 p.
- 36) Ebadi Almas, D., **Karimzadeh, G.**, Mirzaghaderi, G. (2011). Cytogenetic studies on Golestan province ecotype of *Plantago ovata* Forsk. In: The Proceedings of the 7<sup>th</sup> National Biotechnology Congress of I. R. Iran, 12-14 Sep, Niroo Research Institute, Tehran, Iran, Code 418, 4 p.
- 37) Afkar, S., **Karimzadeh, G.**, Jalali-Javaran, M., and Sharifi, M. (2011). Effect of methyl jasmonate treatment on antioxidant enzymes, malonyl dialdehyde and carotenoid content in *Mentha piperita*. In: The Proceedings of the World Academy of Science, Engineering and Technology, Year 7, Issue 80, 13-15 Aug, Paris, France, pp. 883-885.
- 38) Mirzaghaderi, G., **Karimzadeh, G.**, Hassani, S. H., Jalali, M., and Baghizadeh, A. (2009). Wheat-rye translocation 1RS.1BL in some bread wheat cultivars of Iran. In: The Proceedings of the 6<sup>th</sup> National Biotechnology Congress of Iran, 13-15 Aug, Milad Tower Conference Hall, Tehran, Iran, Code 204, pp. 1-6.
- 39) Mahfoozi, S., Jahanbakhsh-Godehkahriz, S., Sarhadi, E., **Karimzadeh, G.**, Zolla, L., Rastgar-Jazii, F., and Hosseini-Salekdeh, G. (2009). Low-tolerance and proteome analysis of vernalization requiring wheat (*Triticum aestivum* L. em.Tell). In: The Proceedings of the 2<sup>nd</sup> Iranian Proteomics Congress, 23-24 Apr, Royan Institute, Tehran, Iran, pp. 35.
- 40) Jahanbakhsh-Godehkahriz, S., Rastgar-Jazii, F., **Karimzadeh, G.**, Zolla, L., Egidi, M. G., Mahfoozi, S., and Hosseini-Salekdeh, G. (2009). Proteome analysis of Kohdasht spring wheat under cold stress. In: The Proceedings of [the 2<sup>nd</sup> Iranian Proteomics Congress, 23-24 Apr, Royan Institute, Tehran](#), Iran, pp. 81.

- 41) Jahanbakhsh-Godehkahriz, S., Rastgar-Jazii, F., **Karimzadeh, G.**, Zolla, L., Egidi, M. G., Mahfoozi, S., Hosseini-Salekdeh, G., and Razavizadeh, Kh. (2009). Physiological, proteomics and gene expression studies in Kohdasht spring wheat in response to vernalization cold. In: The Proceedings of the 6<sup>th</sup> National Biotechnology Congress of Iran, 13-15 Aug, Milad Tower Conference Hall, Tehran, Iran, Code 711, pp. 1-5.
- 42) Jahanbakhsh-Godehkahriz, S., **Karimzadeh, G.**, Rastgar-Jazii, F., Zolla, L., Egidi, M. G., Mahfoozi, S., and Hosseini-Salekdeh, G. (2009). Low temperature-induced proteins in Chayene winter wheat: A proteomics study. In: The Proceedings of [the 2<sup>nd</sup> Iranian Proteomics Congress, 23-24 Apr, Royan Institute, Tehran, Iran](#), pp. 80.
- 43) Jahanbakhsh-Godehkahriz, S., **Karimzadeh, G.**, Rastgar-Jazii, F., Zolla, L., Egidi, M. G., Mahfoozi, S., Hosseini-Salekdeh, G., and Razavizadeh, Kh. (2009). Physiological, proteomics and molecular responses of Cheyenne winter wheat to vernalization cold. In: The Proceedings of the 6<sup>th</sup> National Biotechnology Congress of Iran, 13-15 Aug, Milad Tower Conference Hall, Tehran, Iran, Code 714, pp. 1-5.
- 44) Fahimirad, Sh., **Karimzadeh, G.**, and Ghanati, F. (2009). Evaluation of cold pretreatment effect on canola (*Brassica napus* L.) seed germination under cold stress. In: The Proceedings of the National Conference on Oilseed Crops, 23-24 Sep, College of Agriculture, Isfahan Univ. of Technology, Isfahan, Iran, pp. 126.
- 45) Danesh, M., **Karimzadeh, G.**, and Aghaalikhani, M. (2009). DNA C-value variation in some grasspea (*Lathyrus sativus* L.) genotypes. In: The Proceedings of the 6<sup>th</sup> National Biotechnology Congress of Iran, 13-15 Aug, Milad Tower Conference Hall, Tehran, Iran, Code 258, pp. 1-5.
- 46) Afkar, S., **Karimzadeh, G.**, and Jafari, A. (2009). Study on the intraspecific variation of *Festuca arundinacea* genotypes using DNA C-value ratio. In: The Proceedings of the 6<sup>th</sup> National Biotechnology Congress of Iran, 13-15 Aug, Milad Tower Conference Hall, Tehran, Iran, Code 791, pp. 1-6.
- 47) Shahsavand Hassani, H., Khanamani Falahati Pour, S. Baghizadeh, A., and **Karimzadeh, G.** (2008). Application of molecular cytogenetic genomic *in situ* hybridization technique (GISH) in selection of primary lines, primary combined and secondary genotypes of a new salt tolerant cereal *Tritipyrum*. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, Kerman, Iran, pp. 731-734 (In Persian with English Abstract).
- 48) Rajabi, S., **Karimzadeh, G.**, Sadat-Noori, S. A., and Ghanati, F. (2008). Study on salinity stress on the germination stage of some winter canola (*Brassica napus* L.) cultivars. In: The Proceedings of the 15<sup>th</sup> National and 3<sup>rd</sup> International Conference of Biology, 19-21 Aug, 2008. Univ. of Tehran, Tehran, Iran, pp. 256.
- 49) Mousavi, H., **Karimzadeh, G.**, Jafarkhani-Kermani, M., and Jalali-Javaran, M. (2008). Karyological and genomic DNA content studies in some Iranian endemic muskmelon (*Cucumis melo* L.) populations. In: The Proceedings of the 10<sup>th</sup> Iranian Genetics Congress, 21-23 May, Razi Conference Hall, Tehran, Iran, pp. 261 (In Persian).
- 50) Mirzaghaderi, G., Shahsavand Hassani, H., **Karimzadeh, G.**, Jalali-Javaran, M., and Baghizadeh, A. (2008). Giemsa bandings in *Tritipyrum* chromosomes. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, 2008. Kerman, Iran, pp. 431-434 (In Persian with English Abstract).
- 51) Mirzaghaderi, G., **Karimzadeh, G.**, Shahsavand Hassani, H., Jalali-Javaran, M., Franeski, M., and Baghizadeh, A. (2008). Identification of rye chromatin in wheat lines

- having SrR<sup>+</sup>Sec<sup>+</sup> and 1DL/1RS translocation using genomic *in situ* hybridization technique. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, 2008. Kerman, Iran, pp. 215-218 (In Persian with English Abstract).
- 52) Mahfoozi, S., Hosseini-Salekdeh, G., Mardi, M., and **Karimzadeh, G.** (2008). Freezing resistance from the lab to the field in wheat: what should we breed for? In: The Proceedings of the 10<sup>th</sup> Iranian Congress on Agronomy and Plant Breeding Sciences, 18-20 Aug, 2008. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 163 (In Persian).
- 53) Khavari Khorasani, S., Moieni, A., Mousavi, A., and **Karimzadeh, G.** (2008). Study on embryogenesis response to anther culture of maize (*Zea mays* L.) genotypes. In: The Proceedings of the 10<sup>th</sup> Iranian Genetics Congress, 21-23 May, 2008. Razi Conference Hall, Tehran, Iran, pp. 233 (In Persian).
- 54) Khanamani Falahati Pour, S., Shahsavand Hassani, H., Baghizadeh, A., **Karimzadeh, G.**, Esfandyarpour, S., and Moradi, R. (2008). The study of aneuploidy in primary and secondary genotypes of a new artificial wheat *Tritopyrum* with traditional chromosome engineering methods. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, 2008. Kerman, Iran, pp. 109-111 (In Persian with English Abstract).
- 55) Khanamani Falahati Pour, S. Shahsavand Hassani, H., Baghizadeh, A., **Karimzadeh, G.**, and Yazdanpanah, A. (2008). The study of chromosomal homology and homoeology in primary and secondary genotypes of a new cereal, Tritopyrum. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, 2008. Kerman, Iran, pp. 488-490 (In Persian with English Abstract).
- 56) Danesh, M., **Karimzadeh, G.**, and Aghaalikhani, M. (2008). Morphological and physiological variation and grain yield and yield components in some grasspea (*Lathyrus sativus* L.) genotypes. In: The Proceedings of the 10<sup>th</sup> Iranian Congress on Agronomy and Plant Breeding Sciences, 18-20 Aug, 2008. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 135 (In Persian).
- 57) Danesh, M., **Karimzadeh, G.**, and Aghaalikhani, M. (2008). Cytogenetic variation studies in some grasspea (*Lathyrus sativus*) genotypes, using multivariate analysis. In: The Proceedings of the 10<sup>th</sup> Iranian Genetics Congress, 21-23 May, 2008. Razi Conference Hall, Tehran, Iran, pp. 262 (In Persian).
- 58) Danesh, M. and **Karimzadeh, G.** (2008). Karyotype and evolution studies in some *Lathyrus sativus* L. genotypes. In: The Full Text Proceedings of the 2<sup>nd</sup> National Congress of Cellular and Molecular Biology, 29-30 Jan, 2008. Kerman, Iran, pp. 693-696 (In Persian with English Abstract).
- 59) Afkar, S., Jafari, A. A., and **Karimzadeh, G.** (2007). Evaluation of seed yield and seed components in tall fescue (*Festuca arundinacea* Schreb) through correlation, regression and path analysis. In: The Proceedings of the 6<sup>th</sup> International Herbage Seed Conference, 18-20 Jun, 2007. Gjennestad, Norway, 2(12): 39-43.
- 60) Shobbar, Z., Malboobi, M. A., Jalali-Javaran, M., **Karimzadeh, G.**, and Bennett, J. (2007). OsPP2C5, an ABA and drought stress inducible protein phosphatase 2C in rice. In: The Proceedings of the 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 Nov, 2007. Summit Meeting Conference Hall, Tehran, Iran, pp. 103 (In Persian & English).

- 61) Mirzaghaderi, G., **Karimzadeh, G.**, Hassani, S. H., Jalali-Javaran, M., and Baghizadeh, A. (2007). Study of the chromosome constitution, stability and fertility of the second generation of plants derived from crosses between wheat and *Tritipyrum*. In: The Proceedings of the 6<sup>th</sup> Asian Crop Science Association Conference, 5-9 Nov, 2007. Queen Sirikit National Convention Center, Bangkok, Thailand, pp. 65 (In English).
- 62) Khavari Khorasani, S., Moieni, A., Habashi, A. A., Mousavi, A., and **Karimzadeh, G.** (2007). Study on transformation of haploid derived materials of maize (*Zea mays* L.) anther culture. In: The Proceedings of the 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 Nov, 2007. Summit Meeting Conference Hall, Tehran, Iran, pp. 385 (In Persian & English).
- 63) Khanamani Falahati Pour, S., Shamsavand Hassani, H., Baghizadeh, A., and **Karimzadeh, G.** (2007). The study of aneuploidy and selecting the euploid secondary *Tritipyrum* genotypes (F<sub>2</sub>) in mitotic cells via new molecular cytogenetic, genomic *in situ* hybridization (GISH). In: The Proceedings of the 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 Nov, 2007. Summit Meeting Conference Hall, Tehran, Iran, pp. 389 (In Persian & English).
- 64) Khanamani Falahati Pour, S., Shamsavand Hassani, H., Baghizadeh, A., and **Karimzadeh, G.** (2007). The study of chromosome constitution in secondary *Tritipyrum* genotypes (F<sub>2</sub>) by genomic *in situ* hybridization technique (GISH). In: The Proceedings of the 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 Nov, 2007. Summit Meeting Conference Hall, Tehran, Iran, pp. 400 (In Persian & English).
- 65) Javadian, N., **Karimzadeh, G.**, and Mahfoozi, S. (2007). Changes in accumulation of cold-induced total protein, antioxidant enzymes, proline, carbohydrates and chlorophyll fluorescence in wheat. In: The Proceedings of the 6<sup>th</sup> Asian Crop Science Association Conference, 5-9 Nov, 2007. Queen Sirikit National Convention Center, Bangkok, Thailand, pp. 107 (In English).
- 66) Majidi, M., **Karimzadeh, G.**, and Mahfoozi, S. (2006). Cold-induced protein accumulation, changes of final leaf number and chlorophyll fluorescence in spring and winter wheat cultivars. In: The Proceedings of Plant and Microbe Adaptation to Cold Meeting, 16-20 May, 2006. Salsomaggiore Terme, Italy, pp. 66 (In English).
- 67) Mahdavi, S., **Karimzadeh, G.**, and Maddah-Arefi, H. (2006). Analysis of cytogenetic intraspecific variation in thyme (*Thymus daensis*) medicinal plant. In: The Proceedings of 9<sup>th</sup> Iranian Genetics Congress, 20-22 May, 2006. Millad Hospital Halls Center, Tehran, Iran, pp. 197 (In English).
- 68) Khoshghalb, H., Arzani, K., and **Karimzadeh, G.** (2006). Scion/rootstock influence determine tree size, grafting success, early performance, vegetative growth and efficiency of nutrient uptake of some Asian pear cultivars (*Pyrus serotina* Rhed.) on European pear (*Pyrus communis* L.) seedling rootstocks under Tehran environmental conditions. In: The Proceedings of the 27<sup>th</sup> International Horticultural Congress and Exhibition, 13-19 Aug, 2006. COEX (Convention and Exhibition), Seoul, Korea ([www.ihc2006.org](http://www.ihc2006.org)), pp. 55 (In English).
- 69) Jahanbakhsh, S., **Karimzadeh, G.**, and Rastegar, F. (2006). Protein accumulation and chlorophyll fluorescence changes in spring and winter wheat genotypes in response to cold treatment. In: The Proceedings of Plant and Microbe Adaptation to Cold Meeting, 16-20 May, 2006. Salsomaggiore Terme, Italy, pp. 63 (In English).

- 70) Hosseini, Z., **Karimzadeh, G.**, and Mohammadi-Goltappeh, A. (2006). Autopolyploidy induction in oyster mushroom (*Pleurotus ostreatus*) and its verification, using flow cytometry analysis. In: The Proceedings of 9<sup>th</sup> Iranian Genetics Congress, 20-22 May, 2006. Millad Hospital Halls Center, Tehran, Iran, pp. 464 (In English).
- 71) Hosseini, Z., **Karimzadeh, G.**, and Mohammadi-Goltappeh, A. (2006). Study on yield and morphological characteristics in induced-autopolyploid *Pleurotus ostreatus*. In: The 1<sup>st</sup> Agricultural Biotechnology Conference, 23-24 Jul, 2006. Razi Univ., Kermanshah, Iran, pp. 21 (In English).
- 72) Ghaffaropour, S., **Karimzadeh, G.**, and Siahshar, B. (2006). Genetic variations in some hull-less barley (*Hordeum vulgare* L.) genotypes, using multivariate analysis. In: The Proceedings of 9<sup>th</sup> Iranian Genetics Congress, 20-22 May, 2006. Millad Hospital Halls Center, Tehran, Iran, pp. 166 (In English).
- 73) Ghaffaropour, S., **Karimzadeh, G.**, and Siahshar, B. (2006). Evolution studies and chromosomal analysis in some hull-less barley genotypes (*Hordeum vulgare* L.). In: The Proceedings of 9<sup>th</sup> Iranian Genetics Congress, 20-22 May, 2006. Millad Hospital Halls Center, Tehran, Iran, pp. 53 (In English).
- 74) Zebarjadi, A. R., Jalali, M., Salmanian, A. H., **Karimzadeh, G.**, and Mousavi, A. (2005). Isolation and cloning of gene and promoter of KCS enzyme for production of erucic acid in rapeseed and sense construct design. In: The Proceedings of the 30<sup>th</sup> FEBS Congress and 9<sup>th</sup> IUBMB Conference: The Protein World, Jul 2-7, 2005. Budapest, Hungary, pp. 515 (In English).
- 75) Zebarjadi, A. R., Jalali, M., Salmanian, A. H., **Karimzadeh, G.**, Moieni, A., Jafari, M., and Mousavi, A. (2005). RNA antisense technique use for genetic manipulation in fatty acid profile of *Brassica napus*. In: The Proceedings of the 4<sup>th</sup> National Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 217 (In English).
- 76) Zebarjadi, A. R., Jalali, M., Salmanian, A. H., **Karimzadeh, G.**, Moieni, A., and Mousavi, A. (2005). Cloning and molecular characterization of the fatty acid elongase (FAE) gene from *Brassica napus*. In: The Proceedings of the 8<sup>th</sup> Iranian Congress of Biochemistry and the 1<sup>st</sup> International Congress of Biochemistry and Molecular Biology, 11-15 Sep, 2005. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 98-99 (In English).
- 77) Mahdavi, S., **Karimzadeh, G.**, and Maddah-Arefi, H. (2005). Cell division optimization using cold and chemical pretreatments in thyme (*Thymus vulgaris*). In: The Proceedings of the 4<sup>th</sup> National Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 548 (In English).
- 78) Khavari-Khorasani, S., Poormohammadi, P., Moieni, A., Mousavi, A., and **Karimzadeh, G.** (2005). Induction of embryo-like structures in maize (*Zea mays* L.) genotypes from anther culture. In: The Proceedings of the 4<sup>th</sup> National Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 537 (In English).
- 79) Hosseini, Z., **Karimzadeh, G.**, and Mohammadi-Goltappeh, A. (2005). Effect of colchicine on nuclei of oyster mushroom (*Pleurotus ostreatus*). In: The Proceedings of the 4<sup>th</sup> National Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 540 (In English).
- 80) Haddadi, P., Moieni, A., **Karimzadeh, G.**, and Abdullahi, M. R. (2005). Effects of GA<sub>3</sub>, ABA, embryo desiccation and embryo production container on plantlets regeneration in microspore culture of *Brassica napus* cv. PF704. In: The Proceedings of the 4<sup>th</sup> National

Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 551 (In English).

- 81) Ghaffaropour, S., **Karimzadeh, G.**, and Siahisar, B. (2005). Chromosomal and somatic karyotype analysis in some hull-less barley genotypes (*Hordeum vulgare* L.). In: The Proceedings of the 4<sup>th</sup> National Biotechnology Conference, 15-17 Aug, 2005. Kerman (Mahan), Iran, pp. 575 (In English).
- 82) Zebarjadi, A. R., Jalali, M., Salmanian, A. H., and **Karimzadeh, G.** (2004). Investigation of a suitable method for rapeseed plant transformation via Agrobacterium-mediated-transformation. In: The Proceedings of the 2<sup>nd</sup> Congress on Applied Biology: International Approach, Sep 29-30, 2004. Islamic Azad Univ. of Mashhad, Mashhad, Iran. pp. 514 (In Persian)
- 83) Salmanian, A. H., Kahrizi, D., Afshari, A., Mousavi, A., Moieni, A., and **Karimzadeh, G.** (2004). Isolation, cloning, molecular analysis and site directed mutagenesis in bacterial EPSPS gene for inducing glyphosate resistance in rapeseed (*Brassica napus*). In: The Proceedings of the 8<sup>th</sup> Iranian Crop Production and Breeding Congress, 25-27 Aug, 2004. Univ. of Guilan, Rasht, Iran, pp.130 (In Persian).
- 84) Sahebi, M., Tabaie-Aghdaie, S. R., and **Karimzadeh, G.** (2004). Study on morphologic and cytogenetic variations in some rose genotypes. In: The Proceedings of the 2<sup>nd</sup> Iranian Agricultural Students' Congress, Sep 6, 2004. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 26 (In Persian).
- 85) Khavari-Khorasani, S., Moieni, A., Mousavi, A., and **Karimzadeh, G.** (2004). Study of androgenesis and gametophetic proembryon induction in cultured microspores of *Zea mays* L. In: The Proceedings of the 2<sup>nd</sup> Iranian Agricultural Students' Congress, Sep 6, 2004. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 114 (In Persian).
- 86) **Karimzadeh, G.**, Ghaffari, S., and Siahisar, B. (2004). Cytogenetic variation in some hull-less barley genotypes. In: The Proceedings of the 2<sup>nd</sup> Congress on Applied Biology: International Approach, Sep 29-30, 2004. Islamic Azad Univ. of Mashhad, Mashhad, Iran. pp. 246 (In Persian)
- 87) **Karimzadeh, G.**, Akbari, F., and Moieni, A. (2004). Study on cytogenetic variation in some genotypes of canola (*Brassica napus* L.). In: The Proceedings of the 2<sup>nd</sup> Iranian Agricultural Students' Congress, Sep 6, 2004. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 30 (In Persian).
- 88) **Karimzadeh, G.** and Yazdanseta, S. (2004). Chromosomal parameters analysis in some hull-less barley genotypes. In: The Proceedings of the 2<sup>nd</sup> Iranian Agricultural Students' Congress, Sep 6, 2004. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 27 (In Persian).
- 89) Kahrizi, D., Salmanian, A. H., Afshari, A., Mousavi, A., Moieni, A., and **Karimzadeh, G.** (2004). Glyphosate tolerant induction in rapeseed (*Brassica napus*) via transformation with mutated bacterial EPSPS gene. In: The Proceedings of the 16<sup>th</sup> Iranian Plant Protection Congress, 28 Aug-1 Sep, 2004. Univ. of Tabriz, Tabriz, Iran, 2: 637 (In Persian with English Abstract).
- 90) Biranvand, A., **Karimzadeh, G.**, and Sorooshzadeh, A. (2004). Effect of cold stress on the changes of leaf chlorophyll fluorescence of winter and spring canola. In: The Proceedings of the 2<sup>nd</sup> Iranian Agricultural Students' Congress, Sep 6, 2004. [Tarbiat Modares Univ.](#), Tehran, Iran, pp. 181 (In Persian).

- 91) Ashkani, S., **Karimzadeh, G.**, Davoodi, D., and Ahmadian, P. (2004). Study on cytogenetic variation in some Iranian wild type wheat (*Aegilops*) using multivariate analysis. In: The Proceedings of the 2<sup>nd</sup> Congress on Applied Biology: International Approach, Sep 29-30, 2004. Islamic Azad Univ. of Mashhad, Mashhad, Iran. pp. 61 (In Persian)
- 92) Ashkani, S., **Karimzadeh, G.**, Davoodi, D., and Ahmadian, P. (2004). Study on possible usage of chromosomal OR-banding in wild type wheat (*Aegilops*). In: The Proceedings of the 2<sup>nd</sup> Congress on Applied Biology: International Approach, Sep 29-30, 2004. Islamic Azad Univ. of Mashhad, Mashhad, Iran. pp. 62 (In Persian)
- 93) Nejatian, M. A., Arzani, A., and **Karimzadeh, G.** (2003). Identification of apricot (*Prunus armeniaca* L.) cultivars by pollen morphology and surface topography. In: The Proceedings of the 1<sup>st</sup> National Symposium on Dried Fruit/Nut, 4-6 Oct, 2003. Ministry of Jihad-E-Keshavarzi, Tabriz, Iran, pp. 144.
- 94) **Karimzadeh, G.**, Biranvand, A., and Sorooshzadeh, A. (2003). Soluble proteins induced by low temperature treatment in the leaves of winter canola but not in the spring canola. In: [Plant and Microbe Adaptations to Cold Meeting, 25-29 May, 2003. Quebec City, Canada](#), pp. 49. [Abstract Book, 1.63 M](#)
- 95) Zebarjadi, A., Mirzaii-Nadoshan, H., and **Karimzadeh, G.** (2002). Analysis of chromosomal parameters in different genotypes of *Bromus tomentellus* in Iran. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 467-468 (In Persian).
- 96) Moieni, A., Khonji, Y., and **Karimzadeh, G.** (2002). Embryogenesis and plant regeneration from isolated microspores of rapeseed (*Brassica napus*) in Iran. In: The 3<sup>rd</sup> International Iran and Russia Conference " Agriculture and Natural Resources", 18-20 Sep, 2002. Moscow Timiriazev Agricultural Academy (MTAA), Moscow, Russia, pp. 43 (In English).
- 97) Khodarahmi, M., Ghannadha, M., Saidi, A., Torabi, M., and **Karimzadeh, G.** (2002). Study of inheritance of stripe (yellow) rust resistance in wheat cultivars. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 675 (In Persian).
- 98) Khodarahmi, M., Ghannadha, M., **Karimzadeh, G.**, and Torabi, M. (2002). The study of combining abilities (GCA, SCA) of genetical components of stripe rust resistance in wheat using diallel cross. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 386 (In Persian).
- 99) Khodarahmi, M., Ghannadha, M., **Karimzadeh, G.**, and Torabi, M. (2002). Evaluation of resistance components to three races of yellow rust (*Puccinia striiformis*) in wheat genotypes. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 674 (In Persian).
- 100) **Karimzadeh, G.**, Yazdanseta, S., and Tahmasebi-Sarvestani, Z. (2002). Study on cold and chemical pretreatments for preparing karyotype of hull-less *Hordeum vulgare* L. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 718-719 (In Persian).
- 101) **Karimzadeh, G.** and Omidbaigi, R. (2002). Study the influence of sowing dates and N-fertilizer on the productivity of *Plantago ovata*. In: The 3<sup>rd</sup> International Iran and

- Russia Conference "Agriculture and Natural Resources", 18-20 Sep, 2002. Moscow Timiriazev Agricultural Academy (MTAA), Moscow, Russia, pp. 31 (In English).
- 102) **Karimzadeh, G.** (2002). G1-arrested cells in the root meristems of winter wheat in response to vernalization low temperature stress. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 719 (In Persian).
- 171) Azizpour, M. H., Sadegheyan, S. Y., and **Karimzadeh, G.** (2002). Genetic analysis of crown wart (*Erouphelyctis leproides*) resistance in sugar beet. In: The Proceedings of the 7<sup>th</sup> Iranian Crop Sciences Congress, 24-26 Aug, 2002. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 687 (In Persian).
- 172) Khodarahmi, M., Ghannadha, M. R., Saidi, A., Torabi, M., and **Karimzadeh, G.** (2001). Evaluation of resistance components to three races of *Puccinia striiformis* in wheat genotypes. In: The Proceedings of the 1<sup>st</sup> Regional Yellow Rust Conference for Central and West Asia and North Africa, 8-14 May, 2001. Seed and Plant Improvement Institute (SPII), Karaj, Iran, pp. 38. (In English)
- 173) **Karimzadeh, G.**, Sharifi-Sirchi, G. R., Jalali-Javaran, M., and Dehghani, H. (2001). Cold-induced changes in the electrophoretic patterns of the leaf soluble proteins of wheat cultivars in early growth period. In: The Proceedings of the 2<sup>nd</sup> National Biotechnology Congress, 9-11 Oct, 2001. Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran, pp. 423-430. (In Persian)
- 174) **Karimzadeh, G.**, Darvishzadeh, R., Jalali-Javaran, M., and Dehghani, H. (2001). Changes in electrophoretic patterns of the leaf soluble proteins of barley cultivars in response to a vernalization cold treatment. In: The Proceedings of the 2<sup>nd</sup> National Biotechnology Congress, 9-11 Oct, 2001. Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran, pp. 760-766. (In Persian)
- 175) **Karimzadeh, G.**, Baghery, K., and Jalali-Javaran, M. (2001). Study of cold stress on the electrophoretic patterns of soluble proteins in the embryogenic callus of wheat. In: The Proceedings of the 2<sup>nd</sup> National Biotechnology Congress, 9-11 Oct, 2001. Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran, pp. 752-759. (In Persian)
- 176) Darvishzadeh, R., **Karimzadeh, G.**, Jalali-Javaran, M., and Dehghani, H. (2001). Study on quantitative changes of leaf soluble protein in spring and winter cultivars of barley in response to cold stress. In: The Proceedings of the 1<sup>st</sup> Iranian Congress on Applied Biology, 6-7 Feb, 2001. Islamic Azad Univ., Mashhad, Iran. pp. 317. (In Persian)
- 177) Baghery, K., **Karimzadeh, G.**, and Jalali-Javaran, M. (2001). Influence of temperature changes on quantitative amount of soluble proteins in wheat embryogenic callus. In: The Proceedings of the 2<sup>nd</sup> National Biotechnology Congress, 9-11 Oct, 2001. Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran, pp.415-422. (In Persian)
- 178) Saidi, A., Abedini-Esfahlani, M., **Karimzadeh, G.**, and Alizadeh, A. (2000). Genetic analysis of resistance to *Fusarium* head blight spreading in wheat (*Triticum aestivum* L.). In: The Proceedings of the 6<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 218-219. (In Persian)
- 179) Basati-Carvaneh, J., **Karimzadeh, G.**, and Mesbah, M. (2000). Study on resistance to powdery mildew in sugar beet (*Beta vulgaris* L.) genotypes and its effects on quality

and quantity of yield. In: The Proceedings of the 6<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 207-208. (In Persian)

- 180) Basati-Carvaneh, J., **Karimzadeh, G.**, and Mesbah, M. (2000). Path Analysis of factors affecting quantitative and qualitative characteristics of sugar beet (*Beta vulgaris* L.). In: The Proceedings of the 6<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 63-64. (In Persian)
- 181) Abedini-Esfahlani, M., Saidi, A., **Karimzadeh, G.**, and Alizadeh, A. (2000). Study of different assessment methods of resistance to spreading *Fusarium* head blight in wheat (*Triticum aestivum* L.). In: The Proceedings of the 6<sup>th</sup> Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 202. (In Persian)

#### X. Research Students Supervised:

- 1) S. Z. Rasekh, “Study on Cytogenetics, Diosgenin Amount, Transcriptome, and Expression of Key Genes Involved in Diosgenin Biosynthesis Pathway in Puncture Vine (*Tribulus terrestris* L.) Medicinal Plant”, Ph.D, Feb, 2026.
- 2) P. Radmanesh, “Genome Size, Genome-Wide Association Study, and Gene Expression related to Drought Stress Tolerance in Oilseed Sunflower (*Helianthus annuus* L.)”, Ph.D, Feb, 2026.
- 3) R. Habibi, “Karyomorphology, Genome Size, and Antioxidant Activity in some Populations of Black Cumin (*Nigella sativa* L.) Medicinal Plant”, M.Sc, Feb, 2026.
- 4) S. Valian, “Study on Chromosome, Ploidy Level, Genome Size, and Secondary Metabolites in some Populations of *Scrophularia striata* Boiss. Medicinal Plant”, M.Sc, Feb, 2026.
- 5) F. Farhadi, “Study on Genome Size Variation, Estimating the Breeding Value of Traits Related to Phosphorus Efficiency and Analyzing the Expression of Genes Involved in Tolerance of Maize (*Zea mays* L.) under Phosphorus Deficiency Stress”, M.Sc, Apr, 2025.
- 6) S. Maleki, “Karyology, Genome Size, and Antioxidant Activity in some Populations of Iranian Endemic *Artemisia scoparia* Waldst. & Kit. Medicinal Plant”, M.Sc, Jan, 2026.
- 7) F. Gholami, “Karyomorphology, Genome Size, and Antioxidant Activity in some Iranian Endemic Populations of Plantain (*Plantago major* L.) Medicinal Plant”, M.Sc, Jun, 2024.
- 8) M. Haghshenas, “Study on flow cytometric estimated genome size and ploidy level variation in Iranian endemic populations of salsify (*Tragopogon* spp.) medicinal plant”, M.Sc, [Shahed Univ.](#), Sep, 2024.
- 9) P. Ebrahimi, “Karyomorphology, Genome Size, and Antioxidant Content in some Populations of Rose Dog (*Rosa canina* L.) Medicinal Plant”, M.Sc, Jun, 2023.
- 10) M. Zare, “Effect of Ploidy Level on Expression of some Genes Involved in Hypericin and Hyperforin Biosynthesis Pathway in some Iranian Endemic St. John’s Wort (*Hypericum perforatum* L.) Populations”, M.Sc, Mar, 2024.

- 11) P. Radmanesh, "Study on Karyomorphology, Genome Size, and Antioxidant Content in some Populations of Cobar (*Capparis spinosa* L.) Medicinal Plant", M.Sc., Feb, 2023.
- 12) S. Z. Rasekh, "Study on Karyology, Genome Size, and Major Alkaloids in some Populations of *Papaver somniferum* in Balkh Province, Afghanistan", M.Sc., Nov, 2022.
- 13) M. Dashti, "Karyologic, Genome Size, and Phytochemical Study of Plant Medicinal *Citrullus colocynthis*", M.Sc., Sep, 2022.
- 14) Z. Morovati, "Cytogenetic Study and Expression of some Genes involved in Biosynthesis of Scopolamine in two Species of *Datura* (*Datura stramonium*, *D. innoxia*) Medicinal Plant", Ph.D. approved proposal, Nov, 2021.
- 15) S. Mohammadpour, "Cytogenetic and Antioxidant Amount Variation in some Species of Berries", M.Sc. Jul, 2021.
- 16) M. Ahmadi-Roshan, "Comparative Analysis of Important Metabolites and Transcriptome Changes of (*Satureja bachtiarica* L.) Medicinal Plant Affected by Ploidy Levels and two Abiotic Elicitors: Methyl Jasmonate and Salisilic Acid", Ph.D. approved proposal, Apr, 2020.
- 17) V. Sayadi, "Cytogenetically Study, Identification and Gene Expression Analysis of Alliinase Enzyme Involved in Allicin Biosynthesis in some Iranian Endemic *Allium* Species", Ph.D. Feb, 2020.
- 18) S. Zare Teymoori, "Morphological, Cytogenetical and Phytochemical Variations in some Populations of Savory (*Satureja* spp.) Medicinal Plant", M.Sc. Jul, 2019.
- 19) Sh. Abbasi Karin, "Interspecific Variations (Morphologic, Cytogenetic, and Phytochemical) in Willow Herb (*Epilobium* sp.) Medicinal Plant", M.Sc. Feb, 2019.
- 20) A. Yari, "Study on Cytogenetic, Phytochemical, Isolation and Expression of some Genes Involved in Biosynthesis Pathway of Piperitone in Iranian Endemic *Cymbopogon olivieri* (Boiss.) Bor.", Dept. of Agricultural Biotechnology, M.Sc. Jul, 2018.
- 21) M. Salehi, "Study on Structure of the Glandular Trichomes and Expression of Genes Involved in Artemisinin Production in Leaves of some *Artemisia* Species of Iran", Ph.D. Jan, 2018. (Now Postdoctoral Fellowship. in Univ.of Tehran, Tehran, Iran)
- 22) Z. Heidari Soreshjani, "Study on Relationship between Ploidy Level and Expression of Genes Involved in Biosynthesis of Hypericin and Hyperforin in some Endemic St John's Wort (*Hypericum perforatum*) Populations", Ph.D. proposal approved in Jul, 2016.
- 1) S. Tarkesh-Esfahani, "Effect of Polyploidy Induction on Expression of some Genes Involved in Alkaloids Biosynthesis Pathway in Iranian Endemic Poppy (*Papaver bracteatum* Lindl.) Medicinal Plant", Ph.D. Jul, 2016. (Now Asst. Prof. in Yazd Univ., Yazd, Iran)
- 2) A. Khakshor, "Morphological, Cytogenetic Variation, Phytochemical and Expression of Two Major Genes Involved in Terpinene Biosynthesis Pathway in some Iranian Endemic Populations of Coriander (*Coriandrum sativum* L.) Medicinal Plant", M.Sc. Jun, 2016.

- 3) F. Hamidi, "Study on Cytogenetic, Phytochemical and Expression of Genes Involved in Artemisinin Biosynthesis Pathway in some Iranian Endemic Populations of *Artemisia khorassanica*", M.Sc. Mar, 2016.
- 4) S. Z. Razavi Keshmiri, "Comparison of Physiological Responses in Diploid and induced Tetraploid *Linum Album* to Methyl Jasmonate and Salicylic Acid", M.Sc. Feb, 2016
- 5) A. Shariat "Study of Metabolomics and Three Important Genes Expression in Response to Drought Stress and Cytogenetic Study of some Iranian Endemic Savory (*Satureja* spp.) Species", Ph.D. Jul, 2015. (Now Res. Asst. Prof. in Res. Inst. Forests and Rangelands, Tehran, Iran)
- 6) H. Zarabizadeh, "Cytogenetic Variation in some Iranian Endemic Ecotypes of Fenugreek (*Trigonella monantha* L.) Medicinal Plant", M.Sc. Jul, 2015.
- 7) N. Firoozi, "Cytogenetic Variation in some Iranian Endemic Ecotypes of Asafoetida (*Ferula assa-foetida* L.) Medicinal Plant", M.Sc. Jun, 2015.
- 8) N. Javadian, "Tetraploidy Induction and Study of some Genes Expression Involved in Podophyllotoxin Biosynthesis Pathway in *Linum album*", Ph.D. Sep, 2014.
- 9) T. Jadidi, "Study on Genome Content and Phylogeny Association of Hypericin Gene in some Species of Iranian Endemic St. John's Wort (*Hypericum* spp.)", M.Sc. Jul, 2014.
- 10) M. Gholami-Malekroudi, "Assessment of "Fe" Content in Iranian Bread Wheat Cultivars and Molecular Analysis of Efficient and Inefficient Cultivars Using cDNA-AFLP", M.Sc. Jul, 2014.
- 11) S. Afkar, "Expression of Important Genes (*pr*, *mfs*, *ls*) in Menthol Biosynthesis Pathway in Response to Methyl Jasmonate in Peppermint (*Mentha piperita*) Medicinal Plant", Ph.D. Sep, 2013. (Now Asst. Prof. in Payame Noor Univ., Khorramabad, Iran)
- 12) Sh. Mehravi, "Morphologic and Cytogenetic Variation in Iranian Endemic Ecotypes of St. John's Wort (*Hypericum perforatum*) Medicinal Plants", M.Sc. Feb, 2013. (Now Research Officer, Crop Genomics Group, School of Biological Sciences, The University of Western Australia, Australia)
- 13) L. Fathalyani, "Study on Morphological and Cytogenetic Variations in some Populations of Garlic (*Allium sativum* L.)", M.Sc. in Azad Univ., Tehran, Sep, 2012.
- 14) S. Bagherikia, "Identification of 1BL.1RS and 1AL.1RS Wheat-Rye Translocations in some Iranian Bread Wheat Cultivars, Using Specific PCR", M.Sc. Sep, 2012.
- 15) H. Hatami-Malaki, "Genetic Variation and Identification of QTLs Controlling Chlorine Accumulation in Oriental Tobacco (*Nicotiana tabacum*) Leaf", Ph.D., Sep, 2012. (Now Asst. Prof. in Univ. of Maragheh, Maragheh, Iran)
- 16) M. Ahmadi-Roushan, "Cytogenetic Variation in some Species of Fritillaria (*Fritillaria* sp.) Flower", M.Sc. Jul, 2012.
- 17) S. Farhadi, "Influence of some Abiotic Treatments on Programmed Cell Death in Rose (*Rosa hybrida* cv. Dolce vita+) Flower", M.Sc. Jun, 2012.
- 18) R. Ramazanizadeh, "Study of Chemical and Physical Treatments on Programmed Cell Death in Rose (*Rosa hybrida* cv. Dolce vita +) Cut Flower", M.Sc. Jul, 2011.
- 19) S. Salaripour, "Cell Synchronization Induction in Oriental Tobacco (*Nicotiana tabacum*)", M.Sc. Jul, 2011.

- 20) Z. Moieni, "Study of some Physiological Responses of Two Canola (*Brassica napus* L.) Cultivars to Low Temperature Stress", Jun, 2011.
- 21) D. Ebadi, "Cytogenetic Variation in some Isabgul (*Plantago ovata* Forsk.) Medicinal Plant Ecotypes", M.Sc. Jun, 2011.
- 22) M. Majdi, "Cloning and Characterization of *HMGR*, *GAS*, *DXR* and *IDS* Genes: Their Associated Expression with Parthenolide Biosynthesis in Feverfew (*Tanacetum Parthenium*) Medicinal Plant", Ph.D., Jun, 2011. (Now Assoc. Prof. in Kurdistan Univ., Sanandaj, Iran)
- 23) N. Tabibzadeh, "Identification of 1BL.1RS and 1AL.1RS Wheat-Rye Translocations in some Iranian Wheat, Using DNA Markers and SDS-PAGE", M.Sc. Jul, 2010.
- 24) Sh. Fahimirad, "Study of some Morphological and Physiological Responses on Two Canola (*Brassica napus* L.) Cultivars to Low Temperature", M.Sc., Mar, 2010.
- 25) S. Jahanbakhsh-Godehkahriz, "Study of Cold Tolerance in Two Winter and Spring Bread Wheat Cultivars, Using Proteomics Techniques: Identification and Molecular Analysis of Related Genes", Ph.D., Sep, 2009. (Now Full Prof. in Mohaghegh-Ardabili Univ., Ardabil, Iran)
- 26) S. Rajabi, "Study of Salinity Tolerance on some Winter Canola (*Brassica napus* L.) Cultivars", M.Sc., Feb, 2009.
- 27) G. Mirzaghaderi, "Cytological Study of Hybrids Derived from Common Wheat and *Triticopyrum* by Fluorescence *In Situ* Hybridization", Ph.D. Dec, 2008. (Now Assoc. Prof. in Kurdistan Univ., Sanandaj, Iran)
- 28) M. Danesh, "Morphological and Cytogenetic Variations in some Grasspea (*Lathyrus sativus* L.) Genotypes", M.Sc., Jul, 2008.
- 29) H. Mousavi, "Study on Karyotypic and Genomic DNA Amount Variations in some Iranian Endemic *Cucumis melo* var. *inodorus* genotypes", M.Sc., Jun, 2008.
- 30) S. Afkar, "Study on Genetic Variations of some *Festuca arundinacea* Genotypes, Using Morphological Traits, Seed Proteins and DNA C-value proportion", M.Sc., Jun, 2007.
- 31) N. Javadian, "Study on Protein, Enzyme, Proline and Carbohydrate under Cold Stress in Bread Wheat", M.Sc., Mar, 2007.
- 32) Z. Hosseini, "Autopolyploid Formation of *Pleurotus ostreatus* by Colchicine Treatment", M.Sc., Feb, 2006.
- 33) S. Mahdavi, "Morphologic, Karyotypic and Genomic DNA Variations in some Thyme Medicinal Plant Species (*Thymus spp.*)", M.Sc., Feb, 2006.
- 34) M. Majdi, "Effects of Exogenous Calcium and Low Temperature on the Quantity and Electrophoretic Patterns of Leaf Soluble Proteins in Cold Tolerant and Susceptible Wheat Genotypes", M.Sc., Feb, 2006.
- 35) R. Paknia, "Cytogenetic and Morphological Variations in a Number of Iranian Native Onion (*Allium cepa* L.) Populations", M.Sc., Feb, 2005.
- 36) S. Jahanbakhsh-Godehkahriz, "Effect of a Vernalization Temperature on Quantitative Amount and Electrophoretic Patterns of Leaf Soluble Proteins in Spring and Winter Wheat Genotypes", M.Sc., Sep, 2004.
- 37) F. Akbari, "Cytogenetic Studies in some Canola Genotypes", M.Sc., Feb, 2004.

- 38) S. Ghaffaripour, "Cytogenetic and Morphologic Studies in some Hull-less Barley (*Hordeum vulgare* L.) Genotypes", M.Sc., Feb, 2004.
- 39) Biranvand, "Effect of a Vernalization Temperature on Quantitative Amount and Electrophoretic Patterns of Leaf Soluble Proteins and on Chlorophyll Fluorescence of Spring and Winter Canola (*Brassica napus* L.) Cultivars", M.Sc., Mar, 2003.
- 40) S. Yazdanseta, "Cytogenetic Studies in some Hull-less Barley (*Hordeum vulgare* L.) Genotypes", M.Sc., Feb, 2003.
- 41) K. Bagheri, "Study of Protein Changes in Calli Established from Spring and Winter Wheat Cultivars in Response to Temperature Alteration", M.Sc., Dec, 2000.
- 42) R. Darvishzadeh, "Study on Qualitative and Quantitative Protein Changes of Spring and Winter Barley Cultivars in Response to Cold Stress", M.Sc., Nov, 2000. (Now Full Prof. in Urmia Univ., Urmia, Iran)
- 43) G. R. Sharifi-Sirchi, "The Effect of Temperature on Electrophoretic Protein Patterns of Spring and Winter Wheat Cultivars", M.Sc., Nov, 2000.
- 44) J. Basati-Carvaneh, "Study on Resistance to Powdery Mildew in Beta Genera Population and its Effects on Quality and Quantity of Yield", M.Sc., Mar, 1999.

#### XI. Research Students Co-Supervised:

- 1) S. Asadi, "Effects of Indole Acetic Acid, Abscisic Acid, Casein hydrolysate and some Amino Acids in Anther Culture of Bell Pepper (*Capsicum annuum* L.)", M.Sc., Dept. of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ.](#), Sep, 2023.
- 2) S. Kadkhodaei, "Morphological, Biochemical, and Cytological Evaluation of Promising Genotype A95 in Compare with some European (*Pyrus communis* L.) and Asian (*Pyrus serotina* Rhd.) Pear Cultivars". Ph.D., Horticultural Sciences Dept., College of Agriculture, [Tarbiat Modares Univ.](#), Sep, 2021.
- 3) A. Gheydi, "Fisibility Induction of Autopolyploidy in Medicinal Plant Burdock (*Arctium lappa* L.)", M.Sc., Horticultural Sciences Dept., Science and Research Branch, Islamic Azad Univ., Feb, 2018.
- 4) M. Ghaffari, "Fisibility of Autopolyploidy Induction in *Origanum vulgare* ssp. *hirtum* L., using Colchicine with Ultimate Goal of Vegetative Yield Enhancement", M.Sc., Horticultural Sciences Dept., Science and Research Branch, Islamic Azad Univ., Feb, 2018.
- 5) M. Joodaki, "Cytogenetic and Morphological Variation in some *Eremurus* Populations in Iran". M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Jul, 2017.
- 6) S. Sarikhani Khorami, "Morphological, Biochemical, Cytological and Molecular Evaluation of Walnut (*Juglas regia* L.) Superior Genotypes in Iran". Ph.D., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Jan, 2017.
- 7) M. Asadi, "Adaptation, growth, and yield of Arnica (*Arnica* spp.) and Effect of Colchicine and Gamma Radiation on Growth Characteristics". M.Sc., Horticultural Sciences Dept., Medicinal Plants and Drugs Research Institute, Shahid Beheshti Univ., Jan, 2017.

- 8) Kh. Shirkoool, "Study on Polyploidy Induction in Ajwan (*Trachyspermum ammi* L.) Medicinal Plant to Evaluate Changes in Thymol Secondary Metabolite". M.Sc., College of Aburairhan, Univ. of Tehran, Sep, 2016.
- 9) E. Rabeian "Induction of Polyploidy in Diploid and Tetraploid Wheat". M.Sc., Agricultural College, Univ. of Tehran, Sep, 2016.
- 10) M. Abbasi, "The Role of *Arabidopsis thaliana* Purple Acid Phosphatase 17 and 26 in Salt Stress Tolerance". M.Sc., Mar, 2016.
- 11) S. Alipour, "Tetraploidy Induction on Hairy Roots of Purple Coneflower (*Echinacea purpurea* L.)". M.Sc., Feb, 2016.
- 12) P. Eynizadeh, "Investigation of Drought Tolerance in some Iranian Endemic Coriander (*Coriandrum sativum* L.)". M.Sc., Feb, 2015.
- 13) S. Nayebi. "Isolation and Cloning of Putative *R2R3MYB* Transcription Factor in *Papaver somniferum* L.". M.Sc., Jul, 2015.
- 14) M. Bammeshin, "Effect of Biotic and Abiotic Elicitors on some Genes Expression involved in Taxol Production in Cell Suspension Cultures of *Taxus baccata*". Ph.D., Plant Biotechnology, [Univ. of Guilan](#), Approved proposal, Sep, 2015.
- 15) S. Talebi, "Induction of Polyploidy in *Thymus vulgaris* and Karyotyping of Iranian Populations of *Thymus*". M.Sc., Agricultural College, Univ. of Tehran, Sep, 2014.
- 16) M. Tavan, "Polyploidy Induction in Iranian Endemic Thyme (*Thymus persicus*) in *In vitro* Culture and its Effect on Morphological Characters and Triterpenoids Product". M.Sc., Horticultural Sciences Dept., Medicinal Plants and Drugs Research Institute, Shahid Beheshti Univ., Sep, 2014.
- 17) H. Sabzalipoor. "Heterologous Expression of *Arabidopsis thaliana* *AtPAP26* Gene in Rapeseed (*Brassica napus* L.)". M.Sc., Sep, 2014.
- 18) Sh. Faramarzi, "Study of Physicochemical, Phytochemical and Genome Size in Red Fleshed Apples and Golab Cultivars". Ph.D., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Sep, 2014.
- 19) T. Roshani, "Study the Effects of 1-MCP and Nanosilver on Vase Life and Quality of Cut Carnation (*Dianthus caryophyllus*) Flower". M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Jun, 2014.
- 20) R. Mohammadi, "Study on Inheritance, Combining Ability and Estimation of Gene Effects for Quantitative Traits in Iranian Endemic Cantaloupe (*Cucumis melo* L.) Populations". Ph.D., Feb, 2014.
- 21) R. Jafari, "Cytogenetic Study of some *Fritillaria* (*Fritillaria spp.*) Species in Iran". M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Feb, 2013.
- 22) R. Abedi, "Cytogenetic Variation in some Tulipa (*Tulipa sp.*) Species in Iran". M.Sc. in Horticultural Sciences, Feb, 2013.
- 23) M. Salmaninejad, "Effects of Light, Salinity and Temperature on Chromosome Variation of *Dunaliella salina* in Urmia Lake, Iran". M.Sc., Marine Biology Dept., Fac. of Natural Resources and Marine Sciences, [Tarbiat Modares Univ.](#), Jul, 2012.
- 24) Kh. Sabouri, "Study of Human Proinsulin Gene Expression in Transformed Tobacco (*Nicotiana tabacum*)". M.Sc., Sep, 2011.

- 25) R. Jafari, "Micropropagation of *Eustoma grandiflora* in *In Vitro* Condition". M.Sc., Jun, 2011.
- 26) Yaghtin, "Transformations of Human Interferon  $\delta$ -Oleocine Gene to Sunflower (*Carthamus tinctorius* L.)". M.Sc., Jun, 2011.
- 27) A. Rezalo, "Effect of Climatic Factors on Morphological, Physiological and Phytochemical Properties of Medicinal Castor Bean Plant (*Ricinus communis* L.)". M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Feb, 2010.
- 28) M. Khourang, "Effect of Chemical and Biotic Fertilizers on Fertility of flaxseed oil (*Linum usitatissimum*) Medicinal Plant", M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Feb, 2009.
- 29) M. Naghsh, "Study on Strawberry (*Fragaria*  $\times$  *ananassa* Duch. Cvs. Pajaro and Paros) Meristem Culture in Runners and *in vitro* Plantlets", M.Sc., Feb, 2009.
- 30) K. Saedi, "Effect of Climatic Factors on the Active Substances of Dog Rose (*Rosa canina* L.) in South West of Iran", M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Jan, 2009.
- 31) F. Fattahi, "The Effect of Harvest Time on Essential Oil Quantity and Quality of Lemon Thyme (*Thymus*  $\times$  *citriodorus* (Pers.) Scherb)", M.Sc., Horticultural Sciences Dept., [Tarbiat Modares Univ.](#), Dec, 2008.
- 32) Z-S. Shobbar, "Molecular Analysis of Drought Stress Effect on Rice Panicle Exsertion", Ph.D., Dec, 2007.
- 33) S. M. Bagherian, "Production of Wheat Doubled Haploid Lines and Study on Mechanism of Cold Tolerance", Ph.D., Azad Univ., Tehran, Nov, 2007.
- 34) S. Khanamani Falahati Pour, "The Preliminary Study of Producing the Secondary *Tritopyrum* Lines and Investigation of their Chromosome Constitution by Genomic *in situ* Hybridization (GISH)", M.Sc., Shahid Bahonar University of Kerman, Aug, 2007.
- 35) S. Khavari Khorasani, "Study of Androgenesis and Culture of Immature Zygotic Embryos in some of Maize Genotypes and Use of Haploidy for Gene Transfer", Ph.D., Jan, 2006.
- 36) Zebarjadi, "Investigation on the Effect of Sense and Antisense Constructs of  $\beta$ -Ketoacyl-CoA Synthase (KCS) Gene on Erucic Acid Production in Rapeseed (*Brassica napus*)", Ph.D., Sep, 2005.
- 37) D. Kahrizi, "Transfer of Manipulated Construct of EPSPS Enzyme to Rapeseed (*Brassica napus*) Plant for Inducing Glyphosate Resistance and Molecular Analysis of Transgenic Plants", Ph.D., Jun, 2005.
- 38) P. Jahanipour, "Optimization of Plantlet Regeneration in Isolated Microspore Culture of Rapeseed (*Brassica napus* L.)", M.Sc., Mar, 2005.
- 39) P. Haddadi, "Effects of GA3, Embryo desiccation, ABA, Type of Container on Plant Regeneration in Isolated Microspore Culture of Rapeseed (*Brassica napus* L.)", M.Sc., Feb, 2005.
- 40) M. Sahebi, "Morphologic and Cytogenetic Variations in Rose", M.Sc., Azad Univ., Tehran, Jun, 2004.
- 41) S. Ashkani, "Cytogenetic Studies of some Iranian Wild Wheat Species (*Aegilops*) and Determining their Chromosomal Bandings", M.Sc., Azad Univ., Tehran, Dec, 2003.

- 42) Sh. Jahanbeen, "Effects of Drought, Temperature and Salinity on the Physiological Indices and the Yield of Hull-less Barley (*Hordeum vulgare* L.)", Ph.D., Sep, 2003.
- 43) M. A. Nejatian, "Study on Genetic Diversity of some Local Iranian Apricot (*Prunus armeniaca* L.) Cultivars", Ph.D., Mar, 2003.
- 44) M. R. Pirmoradi, "Study of Root Cutting Methods on the Yield and the Survival of *Ferula assa-foetida*", M.Sc., Jan, 2003.
- 45) Y. Khonji, "Study on Androgenesis in some Rapeseed (*Brassica napus* L.) and Hexaploid Wheat (*Triticum aestivum* L.) cultivars", M.Sc., Mar, 2002.
- 46) H. Khosh-Ghalb, "Study on Early Growth, Performance and Survival of some Asian Pear Cultivars (*Pyrus serotina* Rehd) on European Pear (*Pyrus communis*) Seedling Rootstocks under Tehran Environmental Conditions", M.Sc., Jan, 2002.
- 47) Azizpour, "Genetic Analysis of Crown Wart (*Eruophelyctis leproides*) Resistance in Sugar Beet", M.Sc., Oct, 2001.
- 48) H. Aroiee, "The Effect of Seed Priming, Salt Stress and N-fertilizer on some Quantitative and Qualitative Characteristics of Naked Seed Pumpkin (*Cucurbita pepo* var. *Styriaca*)", Ph.D., Mar, 2001.
- 49) M. Mohebbi, "Effects of Sowing Date and N-Fertilizer on Growth, Development, Yield and Active Substances of Isabgol (*Plantago ovata* Forsk) in Zanjan Region", M.Sc., Dec, 2000.
- 50) D. Bakhshi, "Effects of Irrigation and Plant Density on the Growth, Development, Yield and Effective Oil of Milkthistle (*Silybum marianum*)", Mar, 2000.
- 51) S. Daghighi, "Study the Propagation Methods of Jujube Tree (*Zizyphus 42ujube* Mill)", M.Sc., Feb, 2000.
- 52) M. Khodarahmi, "Study on Inheritance of Stripe (Yellow) Rust Resistance in Wheat Cultivars", M.Sc., Feb, 2000.
- 53) M. Abedini-Esfahlani, "Genetic Analysis of Resistance to *Fusarium* Head Blight in Hexaploid Wheat Cultivars", M.Sc., Jan, 2000.
- 54) K. Arjomandi, "The Effect of Nitrogen and Phosphorous on Growth and Development, Yield and Active Substance Content of Thyme (*Thymus vulgaris*)", M.Sc., Oct, 1999.
- 55) Zebarjadi, "Study on Genetic and Cytogenetic Variation in Bromus (*Bromus tomentellus* L.) Population", M.Sc., Oct, 1999.

## **XII. Courses Taught:**

- 1) Demonstrations in Plant Cytogenetics, Computing, Statistics (Minitab Software), Cell Biology, Genetics & Botany, B.Sc., [Cardiff Univ., Cardiff, UK](#)
- 2) Plant Cytogenetics, Plant Genetics and Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 3) Plant Cytogenetics, Agricultural Biotechnology Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 4) Plant Cytogenetics, Horticultural Sciences Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran

- 5) Plant Cytogenetics, Plant Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 1) Plant Cytogenetics, Plant Breeding Course, M.Sc., [Islamic Azad Univ.](#), Borujerd Branch, Borujerd, Iran
- 6) Plant Cytogenetics, Plant Breeding Course, M.Sc., [Kerman Graduate Univ. of Technology](#), Mahan, Iran
- 2) Plant Cytogenetics, Biotechnology Course, M.Sc., [Kerman Graduate Univ. of Technology](#), Mahan, Iran
- 3) Advanced Cytogenetics, Plant Genetics and Breeding Course, Ph.D., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 4) Advanced Cytogenetics, Agricultural Biotechnology Course, Ph.D., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 5) Methodology of Research, Plant Genetics and Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 6) Methodology of Research, Plant Genetics and Breeding Course, Ph.D., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 7) Methodology of Research, Sea Biology, Grassland, Wood Science and Industry, Watershed, Forestry & Fishery Courses, M.Sc., Faculty of Natural Resources & Marine Sciences, [Tarbiat Modares Univ.](#), Nur, Iran
- 8) Methodology of Research, Plant Breeding Course, M.Sc., [Univ. of Tehran](#), Tehran, Iran
- 9) Methodology of Research, Animal Sciences Course, M.Sc., [Ilam Univ.](#), Ilam, Iran
- 10) Applied Plant Breeding, Plant Genetics and Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 11) Special Problem, Plant Genetics and Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 12) Computer Application in Statistical Analysis, Plant Genetics and Breeding Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran
- 13) Computer Application in Biotechnology, Agricultural Biotechnology Course, M.Sc., College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran

### XIII. Referees:

- [Prof. Dr B. Barnabás \(B.Sc., M.Sc., Ph.D., D.Sc.\)](#), Head of Cell Biology Department of [Agricultural Research Institute of the Hungarian Academy of Sciences, Martonvasar](#), Hungary.
- [Prof. D. Francis \(B.Sc., Ph.D., D.Sc.\)](#), Reader in Plant Science, [Cardiff School of Biosciences](#), Cardiff Univ., UK.
- [Dr M. S. Davies \(B.Sc., Ph.D.\)](#), Senior Lecturer, [Cardiff School of Biosciences](#), Cardiff Univ., UK.

### XIV. Others:

- Spending 6-month Sabbatical Leave period (March to September 2013) with Prof. João Loureiro, [FLOWer Lab, Centre for Functional Ecology, Department of Life Sciences, Faculty of Sciences and Technology, University of Coimbra, Portugal](#).
- Patent No. 56694 dated January 28, 2009, "Induction and Introduction of a Tetraploid Medicinal-Ornamental Feverfew (*Tanacetum parthenium*) Plant using Colchicine".
- Workshop attained: The 5-Day Workshop on "Proteomics" held at Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran, 7-11 Jun, 2004.
- Training course attained: The 2-week practical course on "Application of Genetic Engineering in Agriculture" held at National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan, 16-27 Feb, 1998.