

In the Name of God



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Personal Information	Seminars and Conferences Attained
Educational Records	Papers Presented in Conferences
Academic Experiences	Research Students Supervised
Membership of Scientific Societies	Research Students Co-Supervised
Referee for Journal Articles Submitted to	Courses Taught
Research Interests & Projects Performed	Referees
Publications and Journal Papers	Others

I. Personal Information:

Name: Ghasem

Family Name: Karimzadeh

Date of Birth: 1960

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Google Scholar Citations:

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

ResearchGate: https://www.researchgate.net/profile/Ghasem_Karimzadeh

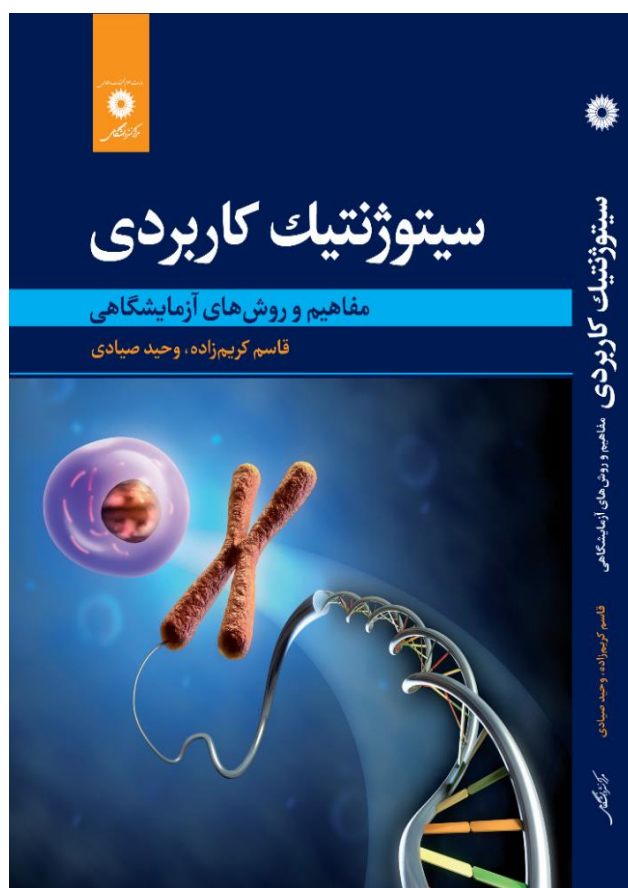
LinkedIn: https://www.linkedin.com/feed/?trk=guest_homepage-basic_nav-header-signin

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.	Univ. of Tehran	Iran	Agronomy & Plant Breeding	1985
M.Sc.	Gödöllő Univ. of Agricultural Sciences	Hungary	Advanced Genetics & Plant Breeding	1992
Ph.D.	Cardiff Univ.	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

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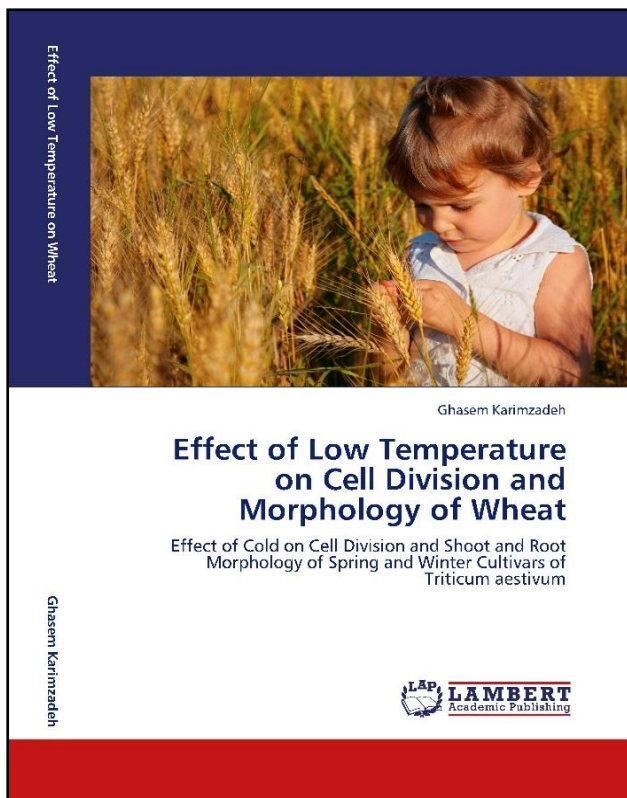
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<https://store.scinito.com/b/3161317439>

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Product Details

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

Author: Ghasem Karimzadeh

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III. Academic Experiences:

- 1) Professor, Department of Plant Genetics and Breeding, College of Agriculture, [Tarbiat Modares Univ.](#), Tehran, Iran (Nov 2019 – continued)
- 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) [1st International Conference & 10th 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) 7th Iranian Congress on Crop Production and Plant Breeding, Seed and Plant Improvement Institute (SPII), Karaj, Iran, 24-26 Aug, 2002, in Persian
- 29) 1st International Wheat Congress, Tehran, Iran, 6-9 Dec, 2002, in Persian
- 30) 8th Iranian Genetics Congress, Tehran, Iran, 20-22 May, 2003, in Persian
- 31) 8th Iranian on Crop Production and Breeding Congress, Univ. of Guilan, Rasht, Iran, 25-27 Aug, 2004, in Persian
- 32) 6th 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, genome size)
- 2) Ploidy level and secondary metabolites in medicinal plants
- 3) Plant response to abiotic environmental stresses
- 4) 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) 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* (Accepted)
- 2) 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*, ...:-..... Abstract | Full Text (664 K) (Accepted)
- 3) 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 \(1.3 M\)](#)
- 4) 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 \(664 K\)](#)
- 5) 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 \(1.54 M\)](#)
- 6) 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 \(1.11 M\)](#)

- 7) 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 \(766 K\)](#)
- 8) 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 \(871 K\)](#)
- 9) 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 \(657 K\)](#)
- 10) 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](#)
- 11) 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 \(1.47 M\)](#)
- 12) 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 \(2.8 M\)](#)
- 13) 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 \(1.91 M\)](#)
- 14) 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 \(943 K\)](#)
- 15) 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 \(895 K\)](#)
- 16) 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 \(574 K\)](#)
- 17) 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 \(617 K\)](#)
- 18) Khakshour, A., **Karimzadeh, G.**, Sabet, M. S., and Sayadi, V. (2021). Study of morpho-phenological diversity and expression of genes involved in γ -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 \(1.26 M\)](#)

- 19) 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 \(638 K\)](#)
- 20) 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 \(5.09 M\)](#)
- 21) 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 \(5.90 M\)](#)
- 22) 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 \(1.79 M\)](#)
- 23) 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](#)
- 24) 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](#)
- 25) 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 \(546 K\)](#)
- 26) 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 \(740 K\)](#)
- 27) 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 \(1.8 M\)](#)
- 28) **Karimzadeh, G.** and Sayadi, V. (2020). Applied Cytogenetics: Concepts and Laboratory Methods. [Iran University Press](#), Tehran, Iran, 353 p.
- 29) 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](#)
- 30) 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 \(478 K\)](#)

- 31) 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 \(1.43 M\)](#)
- 32) 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 \(1.2 M\)](#)
- 33) 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 \(3.6 M\)](#)
- 34) 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 \(1.6 M\)](#)
- 35) 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 \(599 K\)](#)
- 36) 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 \(992 K\)](#)
- 37) 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 \(481 K\)](#)
- 38) 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 \(2.00 M\)](#)
- 39) 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 \(12.48 M\)](#)
- 40) 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 \(1.25 M\)](#)
- 41) 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 \(669 K\)](#)
- 42) 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](#)

- 43) 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 \(384 K\)](#)
- 44) 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 \(280 K\)](#)
- 45) 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 \(273 K\)](#)
- 46) 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 \(1273 K\)](#)
- 47) 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 \(1.1 M\)](#)
- 48) 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 \(141 K\)](#)
- 1) 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 \(846 K\)](#)
- 2) 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 \(575 K\)](#)
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VIII. Seminars and Conferences Attained:

- 1) [6th International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran. 17-19 Jan, 2023, Tabriz, Iran.](#)
- 2) [2nd International Conference on Biotechnology and Global Development. 30 Apr, 2022, Pasteur Institute of Iran, Tehran, Iran.](#)
- 3) [4th International and 16th Iranian Genetics Congress, 15-17 Apr, 2020. Tarbiat Modares Univ. \(TMU\), Tehran, Iran.](#)
- 4) [3rd International and 11th National Biotechnology Congress of Iran. 1-3 Sep, 2019, Iran Univ. of Medical Sciences, Tehran, Iran.](#)
- 5) [1st International Conference and 10th National Horticultural Science Congress \(IrHC2017\). 4-7 Sep, 2017, Tarbiat Modares Univ. \(TMU\), Tehran, Iran.](#)

- 6) [3rd Global Summit on Plant Science. 07-09 Aug, 2017, Rome, Italy.](#)
- 7) [20th 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) 6th National Biotechnology Congress of Iran. 13-15 Aug, 2009, Milad Tower Conference Hall, Tehran, Iran.
- 11) [2nd Iranian Proteomics Congress. 23-24 Apr, 2009, Royan Institute, Tehran, Iran.](#)
- 12) 1st European Conference of Iranian Scientists in Agriculture and Natural Resources Sciences. 8-9 Oct, 2008, Paris, France.
- 13) 6th Asian Crop Science Association Conference. 5-9 Nov, 2007, Queen Sirikit National Convention Center, Bangkok, Thailand.
- 14) 8th Iranian Crop Production and Breeding Congress. 25-27 Aug, 2004, Univ. of Guilan, Rasht, Iran.
- 15) 2nd Iranian Congress on Applied Biology. 29-30 Sep, 2004, Islamic Azad Univ., Mashhad, Iran.
- 16) 2nd Iranian Agricultural Students' Congress. 6 Sep, 2004, [Tarbiat Modares Univ.](#), Tehran, Iran.
- 17) 12th Iranian Biology Conference. 31 Aug-2 Sep, 2004, Bu Ali Sina Univ. of Hamedan, Hamedan, Iran.
- 18) 3rd National Biotechnology Congress. 9-11 Sep, 2003, Ferdowsi Univ. of Mashhad, Mashhad, Iran.
- 19) 3rd Iranian Congress on Minimizing Damages to Field and Orchard Crops Due to Chilling and Freezing. 10-11 Mar, 2003, Karaj, Iran.
- 20) 7th Iranian Congress on Crop Production and Plant Breeding. 24-26 Aug, 2002, Seed and Plant Improvement Institute (SPII), Karaj, Iran,.
- 21) 3rd International Iran and Russia Conference " Agriculture and Natural Resources". 18-20 Sep, 2002, Moscow Timiriazev Agricultural Academy (MTAA), Moscow, Russia.
- 22) 4th International Plant Tissue Culture Conference. 1-3 Nov, 2001, Univ. of Dhaka, Dhaka, Bangladesh.
- 23) 2nd National Biotechnology Congress. 9-11 Oct, 2001, Agricultural Biotechnology Research Institute of Iran (ABRII), Karaj, Iran.
- 24) 1st 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) 1st Iranian Congress on Applied Biology. 6-7 Feb, 2001, Islamic Azad Univ., Mashhad, Iran.
- 26) 10th Iranian Biology Conference. 25 Aug, 2001, [Shiraz Univ.](#), Shiraz, Iran.
- 27) 9th Iranian Biology Conference. 15-17 Aug, 2000, [Univ. of Tehran](#), Tehran, Iran.

- 28) 6th Iranian Congress on Crop Production and Plant Breeding. 3-6 Sep, 2000, Univ. of Mazandaran, Babolsar, Iran.
- 29) 1st National Congress of Biotechnology. 22-24 Feb, 2000, [Tarbiat Modares Univ.](#) (TMU), Tehran, Iran.
- 30) 5th Iranian Congress on Crop Production and Plant Breeding. 31 Aug-4 Sep, 1998, Seed and Plant Improvement Institute (SPII), Karaj, Iran.
- 31) 6th 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) 3rd Iranian Congress on Crop Production and Breeding Sciences. 3-8, Sep, 1994, Tabriz Univ., Tabriz, Iran.
- 35) 1st SCM9 and PAWS5/S6^t Iranian Biotechnology Seminar, Univ. of Manchester, UK, 1993.

IX. Papers Presented in Conferences:

- 1) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Phytochemical study of *Datura innoxia* from Iran. In: The 10th National Congress on Medicinal Plants, 12-13 Jul, 2023, Urmia, Iran. (Accepted)
- 2) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Phytochemical study of *Datura stramonium* from Iran. In: The 10th National Congress on Medicinal Plants, 12-13 Jul, 2023, Urmia, Iran. (Accepted)
- 3) Morovati, Z., **Karimzadeh, G.**, Naghavi, M. R., and Rashidi Monfared, S. (2023). Volatile constituents of areal parts of *Datura stramonium* from Iran. In: [The 6th International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-8.
- 4) 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 6th International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-7.
- 5) 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 6th International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-8.
- 6) Zare, M. and **Karimzadeh, G.** (2023). Use of St. John's Wort (*Hypericum perforatum* L.) major secondary metabolites in pharmaceutical industry. In: [The 6th International Congress of Developing Agriculture, Natural Resources, Environment, and Tourism of Iran](#), 17-19 Jan, 2023, Tabriz, Iran, p. 1-5.
- 7) 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

- 8) Mohammadpour, S. and **Karimzadeh, G.** (2020). Chromosomal, genome size, and phytochemical studies in goji berry (*Lycium* spp.) species. In: [The Proceedings of the 4th International & 16th Iranian Genetics Congress, 15-17 Apr, 2020, Tarbiat Modares Univ. \(TMU\), Tehran, Iran](#), p. 1.
- 9) Farzifard, V. and **Karimzadeh, G.** (2019). Genomic imprinting in plant. In: [The Proceedings of the 3rd International and 11th 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 11th 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 3rd International and 15th 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 3rd International and 15th 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 1st 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 3rd 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 6th 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 20th 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 2nd 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 9th 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 1st International and the 4th 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 4th 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 4th 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 1st 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 1st 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 1st International and 9th 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 1st 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 4th 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 4th 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 4th 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 4th 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 4th 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 4th 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) Majidi, M., **Karimzadeh, G.**, and Malboobi, M. A. (2012). Isolation and characterization of two sesquiterpene synthases from feverfew medicinal plant. In: The Proceedings of 12th 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 12th 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 12th 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 2nd 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 2nd 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 2nd 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 7th 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 2nd National Biology Congress of Young Researchers, 4-7 Mar, Aivan Shams Hall, Kurdistan Highway, Tehran, Iran, Code No. 6609934290, p. 613.
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- 118) 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 6th Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 207-208. (In Persian)
- 119) 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 6th Iranian Congress on Crop Production and Plant Breeding, 3-6 Sep, 2000. Univ. of Mazandaran, Babolsar, Iran, pp. 63-64. (In Persian)
- 120) 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 6th 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) P. Radmanesh, “Study on Karyomorphology, Genome Size, and Antioxidant Content in some Populations of Cobar (*Capparis spinosa* L.) Medicinal Plant”, M.Sc. approved proposal, Feb, 2021.
- 2) 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.
- 3) M. Dashti, “Karyologic, Genome Size, and Phytochemical Study of Plant Medicinal *Citrullus colocynthis*”, M.Sc., Sep, 2022.
- 4) 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.
- 5) S. Mohammadpour, “Cytogenetic and Antioxidant Amount Variation in some Species of Berries”, M.Sc. Approved proposal, Feb, 2019.
- 6) 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.
- 7) 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.
- 8) S. Zare Teymoori, “Morphological, Cytogenetical and Phytochemical Variations in some Populations of Savory (*Satureja* spp.) Medicinal Plant”, M.Sc. Jul, 2019.
- 9) Sh. Abbasi Karin, “Interspecific Variations (Morphologic, Cytogenetic, and Phytochemical) in Willow Herb (*Epilobium* sp.) Medicinal Plant”, M.Sc. Feb, 2019.

- 10) 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.
- 11) 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)
- 12) 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 *Tritipyrum* 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 Aburaihan, Univ. of Tehran, Sep, 2016.
 - 9) E. Rabieian “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 pupurea* 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. Nayeibi. “Isolation and Cloning of Putative *R2R3MYB* Transcription Factor in *Papaver somniferum* L.”. M.Sc., Jul, 2015.
 - 14) M. Banneshin, “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 grandiflurom* in *In Vitro* Condition". M.Sc., Jun, 2011.
- 26) Yaghtin, "Tranformations of Human Interferon δ -Oleocine Gene to Sufflower (*Carthamus tinctorius* L.)". M.Sc., Jun, 2011.
- 27) A. Rezalo, "Effect of Climatic Factors on Morphological, Physiological and Phytochemical Properties of Medicinal Custar 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. Saeedi, "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 Quatity 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 *Tritipyrum* 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 β -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. Mohebby, "Effects of Sowing Date and N-Fertilizer on Growth, Development, Yield and Active Substances of Isabgol (*Plantago ovata* Forsk) in Zanzan 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 39ujube* 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, [Univ. of Tehran](#), 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.