

دکتر محسن مردی



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تحصیلات:

- ۱۳۶۸-دیپلم تجربی-دبیرستان بعثت-منطقه ۱۷-تهران
- ۱۳۷۳-کارشناسی زراعت و اصلاح نباتات- دانشگاه تبریز
- ۱۳۷۶-کارشناسی ارشد اصلاح نباتات-دانشگاه تهران
- ۱۳۸۱-دکتری تخصصی اصلاح نباتات گرایش مهندسی ژنتیک و ژنتیک مولکولی-دانشگاه تهران

تخصص:

- انگشت نگاری DNA
- مکان یابی/شناسایی/جداسازی ژن های دخیل در تحمل به تنش های زیستی و غیر زیستی
- مطالعه مولکولی تلفیقی برای ایجاد تحمل به تنش های زیستی و غیر زیستی
- طراحی، تدوین، سازماندهی و اجرای برنامه های جامع ملی و دانش بنیان برای مهار و کنترل معضلات بخش کشاورزی
- مدیریت هولدینگ های کشاورزی و صنایع مرتبط

فعالیت های پژوهشی:

- انتشار 129 مقاله در مجلات معتبر داخلی و خارجی
- انتشار 115 مقاله (کلیدی-شفاهی-پوستر) در کنفرانس های معتبر داخلی و خارجی
- راهنمایی و مشاوره ۶۹ دانشجوی کارشناسی ارشد و دکتری
- اجرا و خاتمه ۴۰ طرح پژوهشی (ملی و استانی) و مدیریت و اجرای ۸ کارگاه آموزشی ملی و بین المللی

جوایز و افتخارات:

- قرارگیری در میان ۱۰۰ سرآمد علمی کشور منتخب معاونت علمی و فن آوری ریاست جمهوری: ۱۳۹۴ و ۱۳۹۵
- رتبه اول ارجاعات مقالات و در مجموع رتبه چهارم در میان 3000 عضو هیات علمی وزارت جهاد کشاورزی: ۱۳۹۸
- مدیر برگزیده اقتصاد مقاومتی در کشور منتخب سازمان ریزی و بودجه ریاست جمهوری: ۱۳۹۴
- پژوهشگر برگزیده وزارت جهاد کشاورزی: ۱۳۸۶ و ۱۳۸۹
- کارشناس برگزیده شبکه زیرساخت آزمایشگاهی ستاد نانو تکنولوژی ایران: ۱۳۸۴
- دانشجوی نمونه کشوری: ۱۳۷۲

- رییس بخش تحقیقات ژنومیکس، پژوهشکده بیوتکنولوژی کشاورزی ایران: ۱۳۹۰-۱۳۸۲
- عضو هیئت مدیره انجمن بیوتکنولوژی جمهوری اسلامی ایران: ۱۳۸۶-۱۳۸۴
- معاون برنامه ریزی و پشتیبانی پژوهشکده بیوتکنولوژی کشاورزی ایران: ۱۳۹۳-۱۳۹۰
- سردبیر مجله علمی و پژوهشی زیست فناوری گیاهان زراعی: ۱۳۹۰ تاکنون
- مدیرعامل هولدینگ پیشگامان نوآوران کشاورزی دانا: ۱۳۹۵-۱۳۹۳
- رییس هیئت مدیره شرکت پیشگامان دامپروری دانا: ۱۳۹۵-۱۳۹۳
- رییس هیئت مدیره شرکت درنا مهر قشم: ۱۳۹۳-۱۳۹۵
- رییس هیئت مدیره شرکت توسعه اقتصادی فراگیر قائم: ۱۳۹۳-۱۳۹۵
- رییس هیئت مدیره شرکت حکمت سرای ایرانیان طوبی: ۱۳۹۸-۱۳۹۶
- مدیرعامل شرکت فرآورده های طعم طبیعت حامی: تاکنون-۱۳۹۶
- تدوین و اجرای طرح ملی انگشت نگاری محصولات راهبردی باغبانی: ۱۳۸۹-۱۳۹۳ : رونمایی توسط مقام معظم رهبری
- تدوین و اجرای طرح کلان ملی ساخت گلخانه کشت محصولات تراریخته: ۱۳۹۲-۱۳۹۱: افتتاح توسط ریاست جمهوری
- تدوین و اجرای برنامه ملی مدیریت بیماری جاروک لیموترش ایران: ۱۳۸۸-۱۳۸۵: مصوب هیئت دولت
- تدوین و اجرای احداث اولین دامپروری نمونه گاو سمینتال: ۱۳۹۵-۱۳۹۳: افتتاح توسط ریاست جمهوری
- تدوین و اجرای اولین مرکز تکثیر و پرورش ماهیان بومی خلیج فارس: ۱۳۹۵-۱۳۹۳: افتتاح توسط وزیر جهاد کشاورزی
- مدیریت اجرای احداث مرکز تکثیر و پرورش ماهیان خاویاری: ۱۳۹۵-۱۳۹۴
- مدیریت سلامتکده طوبی: ۱۳۹۸-۱۳۹۶
- طراحی اولین پالایشگاه گیاهان دارویی به ظرفیت ۲۰۰۰ تن در سال: ۱۳۹۸-۱۳۹۶
- طراحی و اجرای فاز اول اولین پالایشگاه گیاهان دارویی (کارخانه استویا به ظرفیت ۳۰۰ تن در سال): ۱۳۹۶ تاکنون

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PERSONAL

- 23 May 1971, Tehran, Iran
- Citizenship: Iran
- Married, one child

UNIVERSITY EDUCATION

- 1994, B.S., Agronomy and Plant Breeding, Tabriz University, Iran
- 1997, M.S., Plant Breeding, Tehran University, Iran
- 2003, Ph.D., Molecular Plant Breeding, Tehran University, Iran

SCIENTIFIC AND EXECUTIVE POSITIONS

- Head of genomics Dept. Agricultural Biotechnology Research Institute of Iran, 2004-2005
- Member of the board of directors of the Biotechnology Society of Iran: 2005-2006
- Deputy director of Agricultural Biotechnology Research Institute of Iran: 2012-2015
- Manager of the system biology project to enhance WBDL tolerance in lime: 2008-2015
- Manager of mapping project to develop *Fusarium* head blight resistance in wheat: 2001-2005
- Director manager of the fingerprinting national project for strategic gardening products: 2011-2015
- Director manager of transgenic greenhouse national mega project (Biosafety level 3): 2013-2014
- Director manager of national program for management of witches' broom disease of lime: 2010-2013
- Director manager of construction of livestock of Simmental (1,000 heads): 2015-2016
- Director manager of the center for synthesis of Afshari race sheep (5,000 heads): 2015-2017
- Director manager of the center for production of fish species of Persian Gulf (2000 tones): 2015-2017
- Director manager of the center for production of caviar (1 ton per year): 2015-2017
- Director manager of the construction of stevia sugar factory (300 tons per year): 2018 to date •
- Director manager of the construction of a refinery medicinal plants factory (2000 tons): 2018 to date
- Editor-in-chief of Scientific and Research Journal of Crop Biotechnology: 2011 till now

PUBLICATIONS

International Refereed Journals (* Corresponding author)

1. S. Kadkhodaei, S.M. Khayam Nekouei, D. Talaei, **M. Mardi**, 2020. Improving Productivity of Steviol Glycosides in *Stevia rebaudiana* via Induced Polyploidy. *Journal of Crop Science and Biotechnology* (In Press).
2. B. Masoudi, **M. Mardi**, E. Majidi Hervan, M.R. Bihamta, M.R. Naghavi, B. Nakhoda, B. Bakhshi, M. Ahmadi, M.T. Tabatabaei, M.H. Dehghani Firouzabadi, 2108. Study of QTLs linked to awn length and their relationships with chloroplasts under control and saline environments in bread wheat. *Genes & Genomics*, doi.org/10.1007/s13258-018-0757-2.
3. E. Mohseni Fard, B. Bakhshi, M. Farsi, A. Mirshamsi Kakhki, N. Nikpey, M.A. Ebrahimi, **M. Mardi**, Gh. Hosseini Salekdeh, 2017. MicroRNAs Regulate the Main Events in Rice Drought Stress Response by Manipulating the Water Supply to Shoots. *Molecular BioSystems*, 13: 2289-2302.
4. S. Soheilvand, A. Mousavi, M.R. Safarnejad, N. Farrokhi, **M. Mardi**, M. Tohidfar, S.M. Alavi, 2017. Imposed starvation for in vitro maintenance and high regeneration of elite key lime (*Citrus aurantifolia*). *The Journal of Horticultural Science and Biotechnology*, 1-9. <https://doi.org/10.1080/14620316.2017.1415702>.
5. B. Bakhshi, E. Mohseni Fard, N. Nikpay, M.A. Ebrahimi, M.R. Bihamta, **M. Mardi**, Gh. Hosseini Salekdeh, 2016. MicroRNA Signatures of Drought signaling in Rice Root. *PLOS ONE* | DOI:10.1371/journal.pone.0156814.
6. J. Gharechahi, **M. Mardi**, Gh. Hosseini Salekdeh, 2016. Insight into Physiological, Molecular, and Proteomic Changes Associated with Phytoplasma Infection in Crop Plants. *Agricultural Proteomics*, Volume 2, Springer International Publishing Switzerland, 251-265. DOI 10.1007/978-3-319-43278-6_11.
7. **M. Mardi**, L. Karimi Farsad, J. Gharechahi, Gh. H. Salekdeh, 2015. A Systems Biology Approach Reveals Pathways underlying "Candidatus Phytoplasma aurantifolia Interactions with Mexican Lime Tree. *PLOS ONE*, 10 (7): DOI:10.1371/journal.pone.0130425.
8. A Al-Yassin, R Khademian, **M Mardi**, SMK Nekouei, B Nakhoda, 2015. Identification of Natural Nucleotide Mutations of Salt Tolerance Candidate Genes (HvHKT1 and HvCBL4) in Barley Ecotypes by Sequencing. *American-Eurasian Journal of Sustainable Agriculture*, DOI: 10.5829/idosi.ajeaes.2015.15.7.12661.
9. V. Narjesi, M. Mardi, E. Majidi Hervan, A. Azadi, M.R. Naghavi, M. Ebrahimi, A.A. Zali, 2015. Analysis of Quantitative Trait Loci (QTL) for grain yield and agronomic traits in wheat (*Triticum aestivum* L.) under normal and salt-stress conditions. *Plant molecular biology reporter*, 33: 2030-2040.
10. A. Azadi, **M. Mardi***, E. Majidi Hervan, S.A. Mohammadi, F. Moradi, M.T. Tabatabaee, S.M. Pirseyedi, M. Ebrahimi, F. Fayaz, M. Kazemi, S. Ashkani, B. Nakhoda, Gh. Mohammadi-Nejad, 2015. QTL mapping of yield and yield components under normal and salt-stress conditions in bread wheat (*Triticum aestivum* L.). *Plant Molecular Biology Reporter*, 33 (1): 102-120. DOI: 10.1007/s11105-014-0726-0.
11. B. Masoudi, **M. Mardi**, E. Majidi Hervan, M.R. Bihamta, M.R. Naghavi, B. Nakhoda, A. Amini, 2015. QTLs mapping of salt tolerance traits with different effects at seedling stage of bread wheat. *Journal of Agricultural Science and Technology. Plant Molecular Biology Reporter*, 33: 1790-1803.
12. Sh. Kolahi, **M. Mardi**, M. Zeinalabedini, S.M. Pirseyedi, P. Mahmoodi, I. Tabatabaei, S.M. Mosavi, M. Farsi, M.A. Ebrahimi, S.M. Khayam Nekouei, K. Ahmadi, 2014. Development of 12 new SSR markers for genetic diversity and structure analysis in pistachio (*Pistacia vera* L.). *Journal of Horticultural Science & Biotechnology*, 89: 707-711.

13. Z. Nemati, M. Mardi, P. Majidian, M. Zeinalabedini, S.M. Pirseyedi, M. Bahadori, 2014. Saffron (*Crocus sativus* L.), a monomorphic or polymorphic species?. Spanish Journal of Agricultural Research, 12:753-762. dx.doi.org/10.5424/sjar/2014123-5564.
14. F. Najafi, **M. Mardi**, B. Fakheri, S.M. Pirseyedi, N. Mehdinejad, M. Farsi, 2014. Isolation and Characterization of Novel Microsatellite Markers in Walnut (*Juglans regia* L.). American Journal of Plant Science. 5: 409-415.
15. M. Ghaedrahmati, **M. Mardi**, M. R. Naghavi, E. Majidi Haravan, B. Nakhoda, A. Azadi, M. Kazemi, 2014. Mapping QTLs associated with salt tolerance related traits in seedling of wheat (*Triticum aestivum* L.). Journal of Agricultural Science and Technology. 16: 1413-1428.
16. B. Masoudi, M. Mardi, E. Majidi Hervan, M.R. Bihamta, M.R. Naghavi, 2014. Physiological response of wheat (*Triticum aestivum* L.) cultivars and inbred lines to salinity stress at the seedling stage. International Journal of Biosciences, 4: 60-69. dx.doi.org/10.12692/ijb/4.11.60-69.
17. B. Masoudi, E. Majidi Hervan M. Mardi, , M.R. Bihamta, M.R. Naghavi, B. Nakhoda, A. Ashkboos, 2014. QTL mapping of genes controlling Na^+ and K^+ concentration in roots and shoots of wheat under normal and salt stress conditions. IRANIAN JOURNAL OF AGRICULTURAL SCIENCES, 45: 345-353.
18. F. Ehya, A. Monavarfeshani, E. Mohseni Fard, L. Karimi Farsad, M. Khayam Nekouei, **M. Mardi***, Gh. Hosseini Salekdeh, 2013. Phytoplasma-responsive microRNAs modulate hormonal, nutritional, and stress signalling pathways in Mexican lime trees. PLOS ONE, 8: 1-8. e66372.
19. M. Feshani, **M. Mardi***, M. Mirzaei, E. Sarhadi, M. Khayam Nekouei, P. Haynes, G.H. Salekdeh, 2013. Shotgun Proteomic Analysis of the Mexican lime tree infected with "*Candidatus* Phytoplasma aurantifolia". Journal of Proteome Research 12: 785–795. dx.doi.org/10.1021/pr300865t.
20. M. Alikhani, B. Khatabi, M. Sepehri, M. Khayam Nekouei, **M. Mardi**, Gh. Hosseini Salekdeh, 2013. Proteomics approach to study the molecular basis of enhanced salt tolerance in barley (*Hordeum vulgare* L.) conferred by the root mutualistic fungus *Piriformospora indica*. Molecular BioSystems.9: 1498-14510. DOI: 10.1039/c3mb70069k.
21. S. Moradi, M. Zaghari, M. Shivazad, R. Osfoori, **M. Mardi**, 2013. The effect of increasing feeding frequency on performance, plasma hormones and metabolites, and hepatic lipid metabolism of broiler breeder hens. Poultry Science 92 :1227–1237.
22. S.M. Mousavi Derazmahalleh, **M. Mardi**, M. Zeinalabedini, M. Kazemi, S.H. Marashi, S. Malekzadeh, S.M. Khayam Nekouei, T. Roodbar Shojaie, 2013. The Survey of Genetic Diversity and Population Structure Analysis of Iranian Sweet Pomegranate (*Punica granatum* L.) Germplasm Using SSR Markers. Acta Hort. 976: 271-276.
23. P. Majidian, M. Zeinalabedini, J. Dejampour, B. Krska, B. Nakhoda and **M. Mardi**, 2013. Evaluation of Genetic Relationships of Some Apricot Accessions Using Fluorescent-AFLP Markers. Acta Hort. 976:265-269.
24. M. Shabani, C. Bertheau, M. Zeinalabedini, A. Sarafrazi, **M. Mardi**, S. M. Naraghi, H. Rahimian, M. Shojaee, 2013. Population genetic structure and ecological niche modelling of the leafhopper *Hishimonus phycitis*. J Pest Sci, 86:173-183. DOI 10.1007/s10340-012-0463-9.
25. M. Ghaedrahmati, **M. Mardi**, M.R. Naghavi, E. Majidi, B. Nakhoda, A. Azadi, 2013. Assessment of salinity-related traits in the recombinant inbred lines population derived from the cross wheat varieties of Roshan and Sabalan. Annals of Biological Research, 4 :120-126.

26. S. Abbasalizadeh, Gh. Salehi Jouzani, M. Motamedi Juibari, R. Azarbaijani, L. Parsa Yeganeh, M. Ahmad Raji, **M. Mardi**, Gh. Hosseini Salekdeh, 2012. The Draft Genome Sequence of *Ureibacillus thermosphaericus* strain: Thermo-BF Isolated From Ramsar hot springs in Iran. *Journal of Bacteriology*, 194: 4431. doi:10.1128/JB.00634-12.
27. Fayaz, **M. Mardi**, M. Aghae, F. Darvish, R. Talebi, 2012. Phenotypic diversity analysis of grain yield and yellow pigment content in germplasm collected from Iranian durum wheat (*Triticum turgidum* L.) landraces. *Archives of Agronomy and Soil Science*, 1-19. DOI:10.1080/03650340.2012.708927.
28. M. Kazemi Alamuti, M. Zeinalabedini, T. RoodbarShojaie, H. Poor Irandoost, M. Zahravi, M. Vazifehshenas, M. Ali Ebrahimi, S.M. Khayam Nekouei, S. Gh. Hossini Salekdeh, **M. Mardi***, 2012. Extensive Genetic Diversity in Iranian pomegranate (*Punica granatum* L.) germplasm revealed by Microsatellite markers. *Scientia Horticulturae*. 146:104-114. dx.doi.org/10.1016/j.scienta.2012.07.029.
29. Z. Nemati; M. Zeinalabedini; **M. Mardi**; S. M. Pirseyediand; S. H. Marashi; S. M. Khayam Nekoui, 2012. Isolation and Characterization of a first set of polymorphic microsatellite markers in saffron, *Crocus Sativus* L. *American Journal of Botany*, e340–e343. doi:10.3732/ajb.1100531.
30. M. Zeinalabedini, S.Sohrabi, K. Nikoumanesh, A. Imani, **M. Mardi**, 2012. Phenotypic and molecular variability and genetic structure of Iranian almond cultivars. *Plant Syst Evol*.298:1917-1929. DOI 10.1007/s00606-012-0691-8.
31. F. Rad, A. Mohsenifar, M. Tabatabaei, M.R. Safarnejad, F. Sahryari, H. Safarpour, A. Foroutan, **M. Mardi**, D. Davoudi, M.H. Fotokian, 2012. DETECTION OF CANDIDATUS PHYTOPLASMA AURANTIFOLIA 1 WITH A QUANTUM DOTS FRET-BASED BIOSENSOR. *Journal of Plant Pathology* 94:525-534.
32. Daniel J. Klionsky, Fabio C. Abdalla, Hagai Abeliovich, more than 200 authors, Mateus Marcondes, **Mohsen Mardi**, Gabriella Marfe, more than 100 author, Antonio Zorzano, Jürgen Zschocke and Brian Zuckerbraun, 2012. Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, 8: 445 - 544.
33. Aleosfoor, K. Izadpanah, M.S. Mossadegh, M. Masoumi, M.S. Sadeghi, **M. Mardi**, Ali Reza Afsharifar and Jamshid Hayati, 2012. GENETIC DIVERSITY OF *RHOPALOSIPHUM PADI* L. (HOM.: APHIDIDAE) USING MICROSATELLITE MARKERS. *Mun. Ent. Zool.* 7:1073-1078.
34. Monavar Feshani, S. Mohammadi, T.P. Frazier, A. Abbasi, R. Abedini, L. Karimi Farsad, F. Ehya, Gh. Hosseini Salekdeh, **M. Mardi***, 2012. Identification and validation of Asteraceae miRNAs by the expressed sequence tag analysis. *Gene*, 493: 253-259. DOI 10.1016/j.gene.2011.11.024.
35. A.R. Tavasolee, N. Aliasgharzad, Gh. R. Salehi, **M. Mardi**, A. Asgharzadeh, S. Akbarivala, 2011. Effects of Co-Inoculation with Arbuscular Mycorrhizal Fungi and Rhizobia on Fungal Occupancy in Chickpea Root and Nodule Determined by Real-Time PCR. *Current Microbiology*, 63:107–114. DOI 10.1007/s00284-011-9951-z.
36. M. Mohammadi Bazargani, E. Sarhadi, A.A. Shahnejat Bushehri, A. Matros, H.P. Mock, M.R. Naghavi, V. Hajihosseini, **M. Mardi**, M.R. Hajirezaei, F. Moradi, B. Ehdaie, Gh. Hosseini Salekdeh, 2011. A proteomics view on the role of drought-induced senescence and oxidative stress defense in enhanced stem reserves remobilization in wheat. *Journal of Proteomics*, 74: 1959–1973. doi:10.1016/j.jprot.2011.05.015.
37. Taheri, G. Nematzadeh, M. Ghayeb Zamharir, M. Khayyam Nekouei, **M. Mardi***, G. Hoseini Salekdeh*, 2011. Proteomic analysis of the Mexican lime tree response to “*Candidatus Phytoplasma aurantifolia*” infection. *Molecular Biosystems*, 7: 3028-3035. DOI:10.1039/C1MB05268C.
38. M. Ghayeb Zamharir, **M. Mardi***, S. M. Alavi, N. Hasanzadeh, H. R. Zamanizadeh, A. Alizadeh, G. Hosseini Salekdeh*, S. M. Khayyam Nekouei, 2011. Identification of genes differentially expressed during

interaction of acid lime infected with Candidatus Phytoplasma aurantifolia. BMC Microbiology, 11: 1-9, doi:10.1186/1471-2180-11-1.

39. Basaki, R. Choukan, S. M. Khayam Nekouei, **M. Mardi**, E. Majidi, S. Faraji, M. Zeinolabedini, 2011. Association Analysis for Morphological Traits in Pomegranate (*Punica granatum* L.) Using Microsatellite Markers. Middle-East Journal of Scientific Research, 9: 410-417.
40. S.A. Mirbabaee, **M. Mardi***, P. Mahmoudi, S.M. Pirseyedi, A. Abbasi Sahebi, M. Farsi, H. Soleimani, Gh. Bakhshikhaniki, M. Zeinalabedini, S.M. Khayam Nekouei, 2011. Development of new microsatellite markers from an enriched genomic library in date palm (*Phoenix dactylifera* L.). The Journal of Horticultural Science & Biotechnology, 86:539-541.
41. M. Shabani, **M. Mardi***, A. Sarafrazi, S. Mohajeri Naraghi, H. Rahimian, M. Shojaee, 2011. Isolation and characterization of novel microsatellite marker from the leafhopper *Hishimonus phycitis* Distant. (Hemiptera: Cicadellidae). Conservation Genetics Resources, 3: 493-495, DOI:10.1007/s12686-011-9387-6
42. S. Mohajeri Naraghi, **M. Mardi***, T. Hasanloo, S. M. Pirseyedi, P. Mahmoodi, 2011. Isolation and characterization of novel microsatellite loci in *Vaccinium arctostaphylos* L. Conservation Genetics Resources, 3: 441-444, DOI:10.1007/s12686-010-9375-2.
43. N. Askari, Gh. Salehi Jouzani, M. Mousivand, A. Foroutan, A. Hagh Nazari, S. Abbasalizadeh, S. Soheilvand, **M. Mardi**, 2011. Evaluation of anti-phytoplasma properties of surfactin and tetracycline against lime witches broom disease using real time PCR. J. Microbiol. Biotechnol. 21:81-88, doi: 10.4014/jmb.1007.07047.
44. A.R. Tavasolee, N. Aliasgharzad, Gh. Salehi Jouzani, **M. Mardi**, A. Asgharzadeh, 2011. Interactive effects of *Arbuscular mycorrhizal* fungi and rhizobial strains on chickpea growth and nutrient content in plant. African Journal of Biotechnology, 10:7585-7591.
45. Azadi, E. Majidi Harvan, S.A. Mohammadi, F. Moradi, B. Nakhoda, **M. Mardi**, 2011. Screening of recombinant inbred lines for salinity tolerance in bread wheat. African Journal of Biotechnology, 10: 12875-12881.
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WORKSHOP ORGANIZING

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