

## CURRICULUM VITAE (CV)



### **PERSONAL**

- Name: **Mohammad Ali**
- Surname: **Ebrahimi**
- Affiliation: **Professor**
- Nationality: Iranian
- Address: Agricultural Biotechnology Research Institute (ABRII), Karaj, Iran.  
Email: [ma.ebrahimi@areeo.ac.ir](mailto:ma.ebrahimi@areeo.ac.ir)  
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### **EDUCATION**

- **Ph.D.**, Department of Plant Botany, University of Pune, Pune, India.  
Major: Plant Biotechnology, 2004-2008.  
Thesis: Exploration of biotechnological strategies for propagation and production of secondary metabolites in *Tribulus terrestris* L. and *Ceropegia bulbosa* Roxb.
- **M.Sc.** of Plant Breeding. 1993-1995.
- **B.Sc.**, of Agronomy and Plant Breeding, 1988-1993
- **RESEARCH INTEREST**  
Plant Biotechnology, Medicinal Plant Biotechnology Plant Tissue Culture, Plant Breeding

### **PROFESSIONAL EXPERIENCE**

- 2025–Present: Director General., Agricultural Biotechnology Research Institute of Iran (ABRII)
- 2023–2025: Director General, Office of Scientific Communication and International Cooperation, Agricultural Research, Education and Extension Organization (AREEO), Ministry of Agriculture, Iran
- 2023–Present: Representative for Western Asia and North Africa in the System Council, CGIAR (Consultative Group on International Agricultural Research), affiliated with the World Bank

- 2023–Present: Vice Chair, Executive Committee of the Asia-Pacific Association of Agricultural Research Institutions (APAARI)
- 2023–Present: Member of the Research Council, Agricultural Research, Education and Extension Organization (AREEO), Ministry of Agriculture, Iran
- 2023–Present: Member of the Policy-Making and Coordination Council for International Affairs, Agricultural Research, Education and Extension Organization (AREEO), Ministry of Agriculture, Iran
- 2022–2024: Member of the Educational Planning Council, Department of Agriculture and Natural Resources, Ministry of Science, Research and Technology
- 2021–2023: Deputy for Research and Technology, Payame Noor University (National Level)
- 2023: Chairman of the Policy-Making Council at Arvand International Studies Center
- 2022–2023: Secretary of the Organizational Committee for Theoretical and Intellectual Chairs
- 2021–Present: Editor-in-Chief of the Scientific Journal \*Crop Biotechnology\*
- 2023–Present: Editor-in-Chief of the Scientific Journal \*Acta Cell Biologica\*
- 2021–Present: Member of the Editorial Board of the Scientific Journal \*Forest and Rangeland Protection and Conservation Research\*
- 2014–Present: Member of the Editorial Board of the Scientific Journal \*Rangeland and Forest Plant Breeding and Biotechnology\*
- 2011–Present: Member of the Editorial Board of the Scientific Journal \*Crop Biotechnology\*
- 2020–2021: Head of the International Affairs Center, Payame Noor University
- 2018–2023: Member of the University Evaluation Council (Three Terms)
- 2011–2023: Member of the Specialized Commission of the Faculty Evaluation Council, College of Agriculture
- 2017–2020: Director General, Office of Planning and Coordination of International Centers, Payame Noor University
- 2015–2017: Director of the Testing and Examinations Center, Payame Noor University
- 2017–2023: Member of the Initial Investigation Council on Employee Violations
- 2016–2017: Member of the Council for Transferring Iranian Students Studying Abroad to Domestic Universities, under the Student Affairs Organization, Ministry of Science
- 2016–2019: Member of the Research and Educational Planning Council, Equipment Procurement Commission, Educational Council, and Graduate Studies Council, Payame Noor University
- 2013–2015: Director General, Office of Curriculum Development and Educational Content Production, Payame Noor University
- 2012–2013: President of Payame Noor University, Northern Tehran Branch; established and equipped the modern Shahid Ahmadi Roshan Laboratory Complex, consisting of over 50 advanced engineering and technical labs
- 2010–2012: President of Payame Noor University, Rey Center; oversaw construction of over 4,000 square meters of educational and cultural buildings
- 2009–2010: Vice President for Academic and Research Affairs, Payame Noor University, Karaj Center
- 2008–2009: President of Haft Higher Education Institute (Non-Profit/Non-Governmental), Zahedan
- 2004–2009: Vice President for Academic Affairs, Islamic Azad University, Zahedan Branch
- 1997–2002: CEO of the Housing Cooperative Company for Faculty Members, Zahedan
- 2000–2004: Dean of the Faculty of Engineering, Islamic Azad University, Zahedan Branch
- 1995–1996: Vice President for Administrative and Financial Affairs, Islamic Azad University, Iranshahr Branch

### **OTHER ACADEMIC RECORDS AND HONORS**

- Publication of more than 137 scientific articles in reputable national and international journals
- Execution of more than 15 research projects
- Supervision and advisory role in 9 specialized doctoral dissertations
- Supervision and advisory role in 83 master's theses
- Publication of 8 books
- Presentation of more than 107 papers at reputable national and international conferences
- Outstanding Researcher Award at Payame Noor University in the field of Agricultural Sciences in the years 2013, 2016, and 2019
- Best Author Award at the university for writing the book "Principles and Fundamentals of Genetic Engineering" in 2016
- Member of the Scientific Committee of the 12th Iranian Genetics Congress, 2012
- Member of the Scientific and Executive Committees of the 7th National Congress on Agricultural Biotechnology, Iran, September 2011
- Permanent member of the Iranian Society of Agronomy and Plant Breeding
- Permanent member of the Islamic Republic of Iran Biotechnology Society
- Permanent member of the Iranian Genetics Society

### **TEACHING EXPERIENCES**

#### Upper Graduate:

- Principals of Plant Biotechnology
- Genetic Engineering
- Advanced Tissue Culture
- Advanced Plant Breeding
- Research Methodology
- Plant Growth Regulators
- Physiology of Stresses in Plants

#### Under Graduate:

- Principles of Plant Breeding
- Plant Propagation
- Crop Physiology
- Introduction of Tissue Culture and Biotechnology
- English for Students of Agriculture
- Agronomy of Medicinal Plant

### **BOOKS AND CHAPTER OF BOOKS**

- Ebrahimi MA, Talebi M, Rasoulnia A, Karimi M (2011) Biochemistry and Biotechnology Methods.
- Nasiri P, Ebarhimi MA, Jaffaraghaei (2015) Advance Statistical Methods.
- Ebrahimi MA, Karimi M (2013) Hairy Root Culture.
- Ebrahimi MA, Tohidfar M, Ahmadinik I (2014) Principles of Genetic Engineering.
- Ebrahimi MA, Tohidfar M (2015) Principles of Biotechnology.
- Ebrahimi MA, Tohidfar M (2018) Genetic Engineering and Methods.
- Khalili M, Ebrahimi MA (2021) Research Method in Biology
- Jafaraghaei MJ, Ebrahimi MA, Kakaei M, Zahravi M (2022) Advanced Plant Breeding

### **MEMBERSHIP IN SCIENTIFIC SOCIETIES**

- Iranian Genetics Society (Since 2014)

- Iranian Association for Biotechnology (Since 2008)
- Iranian Association for Medicinal Plants (Since 2013)
- Iranian Association of Agronomy and Plant Breeding (Since 2013)
- Iranian Association of Proteomics (Since 2015)

## **RESEARCH PROJECTS LEADER**

- Effect of planting date on physiological particulars and yield of Canola (*Brassica napus*). 1995.
- Effect of different planting date on crop yield and growth particulars of Sorghum cultivars. 1996.
- Effect of different time urea-foliar application on yield, yield components, grain protein percent, velocity of filling the seed and period of filling the seed of winter wheat (*Triticum aestivum* L.). 1997.
- Investigation on organogenesis of Saffron. 2002.
- Yield and yield components of wheat (Hamoon variety) in conventional and ecological cropping system. 2004.
- Organogenesis, callus culture and in vitro production of harmaline and harmine in *Peganum harmala* L. 2007.
- Analysis and Comparison of some Hyperaccumulator plant in central Alborz. 2010.
- Genetic Diversity Assessment of wild *Prunus* species using coordinates data and molecular markers, 2013.
- Determination of genetic uniformity of transgenic cotton plant resistance to *Heliothis armigera* and *Verticillium dahlia* by using RAPD, ISSR and protein markers. 2014.
- Identification and study of genetic diversity in plant species in order to formulation of conservation strategies (Case study in Almond) 2014.
- Bio-elicitation of  $\beta$ -carboline alkaloids in Cell Suspension Culture of *Peganum harmala* L. 2015.
- Designing highly effective genetically invert fragment by full assessment mutations of seed region siRNA in epitopes omega gliadin. 2016.
- Study on genetic relationship among *Prunus dulcis* by using sequences of ITS1-5.8S rDNA-ITS2 and Chloroplast trnL. 2017.

## **PUBLICATIONS**

### **Full Research Papers:**

1. Nikam TD, **Ebrahimi MA**, Sawant SR, Jagtap S, Patil PP. (2008) Ecorestoration of *Ceropegia odorata* Hook and *C. maccannii* Ansari an endangered Asclepiad by micropropagation. Asian and Australasian Journal of Plant Science and Biotechnology, 2(2): 80-83.
2. Nikam TD, **Ebrahimi MA**, Patil VA. (2009) Embryogenic callus culture of *Tribulus terrestris* L. A potential alternative source of harmaline, harmine and diosgenin. Plant Biotechnology Report. 3:243-245.
3. Falahzadeh R, Norouzi P, Rajabi A, **Ebrahimi MA**. (2011) Selection of Dominant Homozygous Plants Resistant to Rhizomania in Cultivated Beta Germplasm Using RAPD-PN3 Marker. New Cellular and Molecular Biotechnology. 1(4): 49-58 (In Persian)
4. Jamali M, **Ebrahimi MA**, Karimipour M, Shams-Ghahfarokhi M, Dinparast-Djadid N, Kalantari, Pilehvar-Soltanahmadi Y, Amani A, Razzaghi-Abyaneh M. (2012) An insight into the distribution, genetic diversity, and mycotoxin production of *Aspergillus* section *Flavi* in soils of pistachio orchards. Folia Microbiologica. 52:27-36.
5. Ebrahimi N, Rajabi Memari H, **Ebrahimi MA**, Roaeie M, (2012) Cloning, Transformation and Expression of Human Gamma Interferon Gene in Tomato (*Lycopersicon esculentum* Mill.). Biotechnology and Biotechnological Equipment 26(2): 2925-2929.

6. Abromand M, **Ebrahimi MA**, Asrafmodars K (2011) Partial purification of Alfa Mannosidase from Soya plant and effect of inhibitor KCN,  $\text{NaN}_3$  and ions  $\text{Co}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{Cu}^{2+}$  and  $\text{Zn}^{2+}$  on enzyme activity in *in vitro*. Biochemical and Cellular Archives. 11(2): 127-136.
7. Amininasab R, **Ebrahimi MA**, Ebadi AA, Ghodsi M (2012) Study of genetic variation in Iranian rice (*Oryza sativa* L.) varieties by using molecular markers linked with drought resistance genes. Crop Biotechnology. 2: 15-25. (In Persian)
8. Safarnejad MR, Basirat M, **Ebrahimi MA**, Safarpour H, Nazari S, Mahmoudi B, Ataie Kachoie S (2013) Applying of recombinant protein technology for developing of specific antibody against transmitting agent of rhizomania in sugar beet. Crop Biotechnology. 3: 1-12. (In Persian)
9. Takallu S, Davodi D, Omid M, **Ebrahimi MA**, Ruzbeh F, Raosulnia AR (2013) The effect of titanium dioxide nanoparticles on barley cytogenetical index. Journal of Agricultural Biotechnology. 5: 13-25. (In Persian)
10. Rezaei L, Qaderi A, Naghavi MR, **Ebrahimi MA**, Riazi AS, Mehrafarin A, Naghdi Badi H (2012) Assessment of genetic diversity in the populations of *Hypericum perforatum* L. Using AFLP markers. Journal of Medicinal Plants. 44: 62-70. (In Persian)
11. Bageri S, Sanjarian F, Haghbeen K, **Ebrahimi MA** (2011) Establishment of cell suspension culture from *Onosma dasytrichum* seed callus culture. International Research Journal of Applied and Basic Sciences. 2(10): 392-397.
12. Kazemi Alamuti M, Zeinalabedini M, Mousavi Derazmahalleh M, RoodbarShojaie T, Poor Irandoost Hashem, Zahravi M, Vazifehshenas M, **Ebrahimi MA**, Mojtaba Khayam Nekouei S, Hossini Salekdeh G, Mardi M (2012) Extensive genetic diversity in Iranian pomegranate (*Punica granatum* L.) germplasm revealed by microsatellite markers. Scientia Horticulturae. 146: 104-114.
13. Kazemi M, **Ebrahimi MA**, Zeinalabedini M, Mardi M, Roodbar Shojaie T, Pejmanmehr M, Poor Irandoost H. (2013) Genetic diversity of Iranian Sour Pomegranate (*Punica granatum* L.) germplasm based on microsatellite markers. Seed and Plant Improvement Journal. 29: 179-197. (In Persian)
14. Badoei-Dalfard A, Amiri-Bahrami M, Riahi-Madvar A, Karami K, **Ebrahimi MA** (2012) Isolation, identification and characterization of organic solvent tolerant protease from *Bacillus* sp. DAF-01. Biological Journal of Microorganism 2: 37-48. (In Persian)
15. Karimi Frasad L, Mardi M, **Ebrahimi MA** (2013) Quantitative expression analysis of candidate genes for *Septoria tritici* blotch resistance in wheat (*Triticum aestivum* L.) Progress in Biological Sciences. 3: 72-78.
16. Otroschy M, Khalili Z, **Ebrahimi MA**, Khayamnekoui M, Moradi K (2013) Effect of growth regulators and explant on plant regeneration of *Solanum lycopersicum* var. cerasiformel. Russian Agricultural Sciences. 36: 226-235.
17. **Ebarhimi MA** (2013) Influence of growth regulator on organogenesis and production of tropane alkaloids in regenerated shoots and roots of *Datura inoxia* Mill. Advanced Crop Science. 3(8): 525-534.
18. Abdolrasouli N, Rajabi Memari H, Roayaei Ardakani M, **Ebrahimi MA**, Ebrahimi N (2013) Production of human alpha 2b interferon in *E. coli* expression system. Jundishapur Sciences of Medical Journal. 12(3): 325-334. (In Persian)
19. Behforozi E. Isazadeh Kh, Khoshkholgh M, **Ebrahimi MA** (2012) The antibacterial activity and phytochemical of *Capsicum annuum* on Isolated *Erwinia carotovora* from tomato. Biotechnology of Environmental Microorganisms. 69(1): 1-10.
20. Alizadeh M, Nematzadeh Gh, **Ebrahimi MA**, Hashemi SH (2013) Fingerprinting of some rice (*Oryza sativa* L.) germplasm via AFLP markers. Crop Biotechnology. 4: 53-60. (In Persian)
21. **Ebrahimi MA**, Zienalabedini M (2013) Application of genomic and unigene-based microsatellite markers in conservation and management of genetic resources of some Iranian crops. Crop Biotechnology. 4: 131-146. (In Persian)
22. Tahmasbi Z, Tahmasbi Gh, Osfoori R, **Ebrahimi MA**, Babaei M (2013) Foraging and pollen gathering behavior of worker bees in high and low honey production colonies of Iranian honeybee (*Apis mellifera* meda). Animal Research Science. 23(2): 61-72. (In Persian)

23. **Ebrahimi MA**, Payan A (2013) Induction of Callus and Somatic Embryogenesis from Cotyledon Explants of *Fagonia indica* Burm. Journal of Medicinal Plants and By-products 2: 209-214.
24. Ismaili A, Talebi B, Drikvand R, **Ebrahimi MA**, Hosseinpour T (2013) Study of genetic diversity among Hull-Less and hulled rain-fed barley genotypes using SSR Marker. Crop Biotechnology. 5:103-113. (In Persian)
25. Bagheri S, Shabani L, Ahmadi-Khoei M, Heydarizadeh P, **Ebrahimi MA** (2013) Effect of two *Arbuscular mycorrhizal* fungi on growth and nutrient uptake in different genotypes of *Mentha spicata* L. Journal of Plant Process and Function. 2: 13-24. (In Persian)
26. Samimifar P, Dehnad A, **Ebrahimi MA**, Bakhshi Khaniki Gh, Tahmasebpour B (2013) Molecular analysis of bacterial gene coding chitinase enzymes, family 19 Streptomyces. Intentional Journal of Science Inventions Today. 2(6): 567-578.
27. Shahbazi S, Ahari Mostafavi H, **Ebrahimi MA**, Askari H, Mirmajlesi M, Karimi M (2013) Enhancement of chitinase gene activity in mutated *Trichoderma harzianum* via Gamma Radiation. Crop Biotechnology. 5: 33-40. (In Persian)
28. Samimifar P, Dehnad A, **Ebrahimi MA**, Bakhshi Khaniki Gh, Tahmasebpour B (2013) Chitinase as the most important secondary metabolites of streptomyces bacteria. Intentional Journal of Science Inventions Today. 2(6): 579-589.
29. Jafary H, Ansari MN, Ebrahimi M.A., Taheri M, Dastkar E (2013) Analyses of Quantitative Trait Loci Involved in Production of Enzymes Conferring Salt Tolerance in Barley (*Hordeum vulgare* L.). Crop Biotechnology. 5: 117-127. (In Persian)
30. Samimifar P, Dehnad A, **Ebrahimi MA**, Bakhshi Khaniki Gh, Tahmasebpour B (2013) The biological control of Streptomyces as an effective method for controlling plant diseases. International Journal of Scholarly Research Gate. 1(4): 61-67.
31. Ramezani H, **Ebrahimi MA** (2014) Biological control of reniform nematode on sunflower through some bioagents. International Journal of Biological & Pharmaceutical Research. 5(10): 786-789.
32. Shahbazi S, Ispareh K, Karimi M, Askari H, Ebrahimi MA (2014) Gamma and UV radiation induced mutagenesis in *Trichoderma reesei* to enhance celluloses enzyme activity. International Journal of Farming and Allied Sciences. 3(5): 543-554.
33. Jannatdoust M, Darvishzadeh R, **Ebrahimi MA** (2014) Studying genetic diversity in confectionery sunflower (*Helianthus annuus* L.) by using microsatellite markers. Crop Biotechnology. 6: 61-72. (In Persian)
34. Shahbazi S, Karimi M, **Ebrahimi MA** (2014) Investigation of Sequence-Tagged Site (STS) in chitinase gene of gamma radiated *Trichoderma viride* isolates. International Journal of Farming and Allied Sciences. 3(11):1129-1136.
35. Bagheri S, **Ebrahimi MA**, Davazdahemami S, Minooyi Moghadam J (2014) Terpenoids and phenolic compounds production of mint genotypes in response to Mycorrhizal Bio-elicitors. Technical Journal of Engineering and Applied Sciences. 4(4)339-348.
36. Ghorbani P, Jaffaraghaei M, Vaezi Sh, **Ebrahimi MA**. (2014) Evaluation and comparison of seed storage proteins in several *Aegilops* species from Iran. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research. 21(2): 198-208. (In Persian)
37. Jaffaraghaei M, Vaezi Sh, **Ebrahimi MA**, Tavakoli M (2014) Karyotype characteristics in some species from Iranian *Agilops* collection. Iranian Journal of field Crop Sciences. 44(3): 441-453. (In Persian)
38. Kolahi Zonoozi Sh, Mardi M, Zeinolabedini M, Mahmoodi P, SM Pirseyedi, Tabatabaei I, Mosavi-Derazmahalleh SM, Farsi M, **Ebarhimi MA**, SM Khayam-Nekoui, K. Ahmadi (2014) Development of 12 new SSR markers for genetic diversity and structure analysis in pistachio (*Pistacia vera* L.) Journal of Horticultural Science and Biotechnology 89(6) 707–711.
39. Bahrabadi M, Shokouhifar F, **Ebrahimi MA** (2014) Functional analysis of SP-DD synthetic promoter using agroinjection method in tobacco plant. Crop Biotechnology. 6: 61-72. (In Persian)
40. Poordad B, Safarnejad A, **Ebrahimi MA**, Bakhshi Khaniki Gh. (2014) Investigation of effective factors on *Rhus coriaria* L. *in vitro* propagation. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research. 22(1):25-33. (In Persian)

41. **Ebrahimi MA**, Mir M, Zinalabedini M, Imani A (2015) Application of microsatellite markers and some morphological traits in core collection identification of *Prunus dulcis* Mill. Crop Biotechnology. 8: 57-75. (In Persian)
42. Ahmadi F, Nasr-Esfahani, **Ebrahimi MA** (2014) Genetic diversity of Iranian onions genotypes using RAPD markers. Modern Genetic Journal. 10(2): 299-303. (In Persian)
43. Baharvand A, Shahbazi S, Afsharmanesh H, **Ebrahimi MA**, Askari H (2014) Investigation of gamma irradiation on morphological characteristics and antagonist potential of *Trichoderma viride* against *M. phaseolina*. International Journal of Farming and Allied Sciences. 3(11): 1157-1164.
44. Tahmasbi Z, Tahmasbi Gh, Osfoori R, **Ebrahimi MA**, Babaie M (2014) Foraging initiation and foraging behavior in high and low performance of Iranian honeybee, *Apis mellifera meda* (Hym.: Apidae), colonies. Journal of Entomological Society of Iran. 34(3): 27-33.
45. Gougerdchi V, Dezhsetan S, **Ebrahimi MA**, Sadeghzadeh B, Savari S (2014) Using SSR markers for assessment genetic diversity and detection drought escape candidate genes in barley lines (*Hordeum vulgare* L.) Plant Breeding and Seed Science. 70: 1-14.
46. Moazedi R, Zaare-Nahandi F, Mahdavi Y, Kamrani M, **Ebrahimi MA** (2014) Assessment of genetic relationships of some cultivars of Asian pears (*Pyrus pyrifolia* Nakai) with some native pears of Northern Iran using SSR markers. International Journal of Applied and Basic Sciences. 3(8): 923-929.
47. Matin R, **Ebrahimi MA**, Niazi A (2015) Quantitative expression analysis of *P5CS* and *BADH* genes in cultivated wheat plants under salt and ABA treatments. Iranian Journal of Genetics and Plant Breeding. 3(1): 43-48.
48. **Ebrahimi MA**, Zarinpanjeh N (2015) Bio-elicitation of  $\beta$ -carboline alkaloids in cell suspension culture of *Peganum harmala* L. Journal of Medicinal Plants. 14(55): 35-49.
49. Sarhangi N, Shakib AM, Keshavarzi M, **Ebrahimi MA**, Ahmadraji M (2015) Effect of the BTH chemical elicitor on expression of the *PR2* gene and fire blight disease severity in Quince. Seed and Improvement Journal. 31(2): 249-264. (In Persian)
50. Moharrami M, Vahdat S, **Ebrahimi MA** (2015) Effect of levels of gamma irradiation on some characteristic of rose seeding. International Journal of Applied and Basic Sciences. 9(9): 1460-1469.
51. Shahbazi S, Askari H, **Ebrahimi MA**, Safaeie M, Karimi M (2015) Increasing the efficiency of sugar beet pulp saccharification by *Trichoderma reesei* superior mutants for bioethanol production. Journal of Sugar Beet. 31(1): 61-77. (In Persian)
52. Moradi R, Shahbazi H, Ahari Mostafavi H, **Ebrahimi MA**, Askari H, Mirmajlesi M (2015) Investigation of gamma radiation effect on morphological and antagonistic characteristic if *Trichoderma harzianum*. Journal of Nuclear Sciences and Technologies. 71: 96-104. (In Persian)
53. Panahzadeh-Parikhan R, Mirzaie-Nodoushan H, Asadi-corom F, **Ebrahimi MA** (2015) Optimizing light intensity for propagation of *Moringa peregrine*. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research 23(2): 175-181. (In Persian)
54. Jafari Sh, Mobasher MA, Najafipour S, Ghasemi Y, Mobasher N, Naghizade MM, **Ebrahimi MA** (2015) Evaluation of *Chlorella vulgaris* extract inhibitory effects on growth, proliferation and biofilm formation by *Streptococcus mutans* and evaluation of its toxicity. Journal of Fasa University of Medical Sciences. 5(2): 387-396. (In Persian)
55. Safarnejad MR, Alimardani M, Sadizadeh A, Khalilian M, Daneshvar MH, **Ebrahimi MA**, Salehi Jouzani GH (2015) Assessment of some gene transformation methods in microalgae *Dunaliella salina*. Modern Genetic Journal. 10(3): 347-358. (In Persian)
56. **Ebrahimi MA**, Tohidfar M, Karimi M, Zawarei F (2015) Determination of genetic uniformity of transgenic cotton plants using DNA Markers (RAPD and ISSR) and SDS-PAGE. Journal of Plant Molecular Breeding. 3(2): 36-43.
57. Jantadoust M, Darvishzadeh R, Ziaiefard R, **Ebrahimi MA**, Hatami Maleki H, Gholinezhad E, Hatamnia AA (2016) Analysis of genetic diversity and population structure of confectionary sunflower (*Helianthus annuus* L.) native to Iran. Journal of Crop Science and Biotechnology. 19:37-44.



58. Eidizadeh K, Ebrahimpour F, **Ebrahimi MA** (2016) Effect of different irrigation regimes on yield and yield components of wheat (*Triticum aestivum* L.) cultivars in Ramin climate. Environmental Stresses in Crop Sciences. 9(1): 29-36. (In Persian)
59. Hajizadeh-Sisakhti S, Dehdari M, Masomi-Asl A, **Ebrahimi MA** (2016) Optimization of callus induction and micropropagation of four varieties of grape (*Vitis vinifera* L.). Journal of Plant Production Research. 22(4): 35-48. (In Persian)
60. Nowruzian A, Masoumian M, **Ebrahimi MA**, Bakhshi-Khaniki GR (2016) Micropropagation of *Ferula assa-foetida* L. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research. 24(1):123-133. (In Persian)
61. **Ebrahimi MA**, Alahyar Parsa S, Piraish S (2016) Direct extraction and purification of soil microbial total DNA and molecular detection of soil-borne pathogen *Fusarium oxysporum* causal agent of tomato vascular wilt. Crop Biotechnology. 12: 55-66. (In Persian)
62. Bakhshi B, Mohseni Fard E, Nikpay N, **Ebrahimi MA**, Bihamta MR, Mardi M, Hosseini Salekdeh Gh (2016) MicroRNA Signatures of Drought Signaling in Rice Root. PLoS ONE. 11(6): e0156814. doi:10.1371/journal.pone.0156814.
63. Rahimi S, Sohrabi N, **Ebrahimi MA**, Tebyanian M, Taghizadeh M, Rahimi S (2016) Studying the effect of aflatoxin genes Aflp and Aflq on *Aspergillus flavus* and *Aspergillus parasiticus* in the cattle feed used in industrial animal husbandries. Acta Medica Mediterranea, 32: 2091-2100.
64. Bahrami S, Tohidfar M, **Ebrahimi MA**, Esmaeil Lashkarian H (2015) Cloning of cholesterol oxidase gene from Iranian strain of *Rhodococcus* for production of cotton biological pesticide. Iranian Journal of Cotton Researches 3(2): 55-64. (In Persian)
65. Noorani Azad H, Hassanpoor A, Bakhshi Khaniki Gh, **Ebrahimi MA** (2016) Physiological responses of two tomato (*Lycopersicon esculentum* M.) cultivars to azomite fertilizer under drought stress. Iranian Journal of Plant Physiology. 6(4): 1835-1842. (In Persian)
66. Gougerdchi V, Dezhsetan S, Izadi Dogonchi M, **Ebrahimi MA**, Asghari A, Sadeghzadeh B (2016) Assessment of genetic diversity and association analysis for phenological traits of barley lines using microsatellite markers. Journal of Crop Breeding. 8(20): 60-69. (In Persian)
67. Jannatdoust M, Darvishzadeh R, Azizi H, **Ebrahimi MA**, Ziaiefard R, Gholinezhad E (2016) Identification of retrotransposon markers associated with agromorphological traits in confectionery sunflower (*Helianthus annuus* L.) under Normal and drought stress conditions. Journal of Crop Breeding. 8(20): 183-197. (In Persian)
68. **Ebrahimi MA**, Mohammadian R, Khalili M (2016) Estimation of Genetic Correlation, Heritability and Grouping of Barley Doubled Haploid Lines Based on Indicators Related to Germination Under Salt Stress. Plant Genetic Researches, 3(1): 29-44. (In Persian)
69. Zeinali S, Ghazafari S, **Ebrahimi MA** (2017) Mucin2 gene expression in the chicken intestinal goblet cells are affected by dietary essential oils. Bulgarian Journal of Agricultural Science. 23(10): 134-141.
70. Nazemi Z, Zeinalabedini M, Hallajian MT, Bouzari N, Majidian P, **Ebrahimi MA** (2016) Assessment of Iranian apricot cultivars resistant, susceptible and mutant to late spring frost. Journal of Plant Molecular Breeding. 4(2): 9-16.
71. Noorani Azad H, Hassanpoor A, Bakhshi Khaniki Gh, **Ebrahimi MA** (2016) Evaluation of the effect of Azomite fertilizer on the growth and some physiological traits of two tomatoes (*Lycopersicon esculentum*) cultivars under drought stress. Journal of Plant Researches. 29(3): 628-643.
72. **Ebrahimi MA**, Azari-Anpar M, Zarinpanjeh N (2016) Designing highly effective and genetically invert fragments by full assessment of mutations in seed region siRNAs in omega gliadin epitopes. Iranian Journal of Genetics and Plant Breeding. 5(2):1-10.
73. Ghavidel B, Shokouhifar F, **Ebrahimi MA**, Sobhanian H (2016) Study on genetic diversity of terminal fragment sequence of isolated Persian Tobacco Mosaic Virus. Journal of Genetic Resources. 2(2): 60-123.
74. Khosravan S, Mirzaie-Nodoushan H, Ghamari Zare A, **Ebrahimi MA** (2017) Different responses of poplar inter-specific hybrids to micropropagation. Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research. 25(1): 43-56. (In Persian)



75. Nowruzian A, Masoumian M, **Ebrahimi MA**, Bakhshi-Khaniki (2017) Interaction effect of breaking seed dormancy treatments on germination of *Ferula assa-foetida* L. Iranian Journal of Seed Research. 3(2): 155-169. (In Persian)
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