

Curriculum Vitae

1- Personal Information

Name : Morteza
Family : Ebrahimi
Date of Birth : 11/04/1972
Place of birth : Tehran-Iran
Institution: *Department of Plant Tissue Culture*



Agricultural Biotechnology Research Institute of Iran (ABRII)

2 – Educational status

Certificate	University of	Year started	Year Ended	Field
B.Sc.	Mazandaran	1992	1996	Agronomy and Plant Breeding
MSc.	Zabol	2000	2002	Plant Breeding
PhD	UPM	2010	2015	Genetic Engineering and Molecular Biology

3 – Research fields of interest

- Plant tissue culture
- Genetic Engineering

4- Lab skills

- Plant tissue culture
- Potato virus free seed tubers (minitubers)
- Somatic embryogenesis
- Artificial seed production
- Cell suspension culture
- Meristem culture
- Genetic engineering
- Yeast One-Hybrid Screening Systems Technology

5 – Chronology of academic and other relevant appointment

Year	Description of activity
2014-continues	Head of the Plant Tissue Culture lab. (ABRII-CR)
2004-2007	Head of the Plant Tissue Culture lab. (ABRII-CR)
2005-2007	Regional project executive for the potato virus free seed-tuber production (central region of Iran)
2005-2010	Training of lab assistances for the private sector laboratories.
2007	Collaboration in establishment of ABMDB (Agricultural Biotechnology Multimedia Data Base)
2004	Collaboration in setup of tissue culture lab. In ABRII-central region
2006	Consulting and collaboration in establishment of nongovernmental plant tissue culture companies for potato minituber production in Isfahan province

7 – Research activities and projects

No.	Title of project	From	To	Venue	Responsibility in project	
					Collaboration	Main Researcher
1	Potato minituber production	2003	2007	ABRII	*	
2	Production of disease free plantlet of potato and distribution between the minituber producers	2008		ABRII-CR	*	
3	Breaking of potato minituber dormancy	2004	2005	ABRII-CR		*
4	Alfalfa artificial seed production	2004	2007	ABRII-CR		*
5	Genetic identification of Iranian almond genotypes using molecular markers	2004	2008	ABRII-CR	*	
6	Micropropagation of male sterile onion genotypes	2005	2006	ABRII-CR	*	
7	<i>Aloe vera</i> Micropropagation Using Tissue Culture Technique	2006	2007	ABRII-CR		*
8	Study of Elicitors Effect on Taxol Production in Immobilized Cell culture System of Yew (<i>Taxus baccata</i>)	2006	2008	ABRII-CR		*
9	Optimization of a semi-mass micropropagation protocol of <i>Stevia rebaudiana</i> (Bertoni) using nodal cutting and organogenesis techniques	2007	2009	ABRII-CR		*
10	Seed dormancy breaking of assafoetida (<i>Ferula assa-foetida</i> L.)	2008	2008	ABRII-CR		*
11	Optimization of a semi-mass micropropagation protocol of <i>Fragaria vesca</i> L. using tissue culture technique	2008	2009	ABRII-CR	*	
12	Mass production of assafoetida (<i>Ferula assa-foetida</i> L.) using tissue culture techniques	2008	2011	ABRII-CR	*	
13	Genetic mapping of almond flowering genes(s)	2007	2011	ABRII-CR	*	
14	Optimization of a micropropagation protocol for pear dwarf rootstocks OH×F-87 and Pyrodwarf using tissue culture techniques	2010	2012	ABRII-CR	*	
15	Micropropagation of Medicinal plant <i>Kelussia odorotissima</i> Mozaff	2014	2017	ABRII-CR		*
16	Analysis and Introduction of Elite Genotypes of Licorice's (<i>Glycyrrhiza glabra</i> L.) Wild Populations in Iran	2016	2020	ABRII-CR		*
17	Pilot scale production of hypericin and hyperforin in hairy root cultures of <i>Hypericum perforatum</i> in bioreactor	2016	2020	ABRII-CR		*

8 – Publications

1. Jorjani E., **M.Ebrahimi**, F.Majd, M.Naseri Tafti and B.Naserian (2004) Study of salt stress tolerance of irradiated calli in soybean (*Glycine max* L.).J. Agric.Sci.Natur.Vol.11(2)
2. **Ebrahimi M.**, M.Khayam Nekiei and S.Kadkhodaei (2009) Study of Some factors Influencing Embryogenesis and Maturation of Soybean (*Glycine max* L.) Somatic Embryos. J. Sci. & Tech. of Agric. & Natur. Resour. Vol. 12, No. 46(A)
3. Otroshi M., A. Zamani, M. Khodambashi, **M. Ebrahimi** and P.C. Struik (2009) Effect of Exogenous Hormones and Chilling on Dormancy Breaking of Seeds of Assafoetida (*Ferula assafoetida* L.). Research Journal of Seed Science. 2(1):9-15
4. Otroshi M., **M. Ebrahimi** and A. Pezeshki (2009) Effects of Some Plant Growth regulators on Sweetgum (*Liquidambar styraciflua* L.) Organogenesis. Iranian Journal of Horticultural Science and Technology., Vol.10, No.2.
5. Nasiri Madiseh Z., M.R. Mofid, **M. Ebrahimi**, M.Khayam Nekiei and M. Khosroshahli (2010) Isolation of taxol producing endophytic fungi of Iranian yew (*Taxus baccata* L.). Scientific Journal of Shahrekord University of Medical Science.
6. Karimi N., M. R. Mofid, **M. Ebrahimi** and S. M. Khayyam Nekouei (2010) EFFECT OF GENOTYPE, EXPLANT SIZE AND POSITION ON CALLUS INDUCTION IN CEREUS PERUVIANUS MILL. (CACTACEAE). Trakia Journal of Sciences, Vol. 8, No. 1, pp 33-37.
7. Karimi N., M. Mofid, **M. Ebrahimi** and R. Naderi (2010) EFFECT OF AREOLE AND CULTURE MEDIUM ON CALLUS INDUCTION AND REGENERATION CEREUS PERUVIANUS MILL. (CACTACEAE). Trakia Journal of Sciences, Vol. 8, No 2.
8. Karimi N., Naderi R., Mofid M.R. and **M. Ebrahimi** (2010) Investigation of a medicinal and ornamental plant propagation , the Cereus peruvianus Mill. and using tissue culture technique. Journal of Medicinal Plant. Vol. 2, No. 34.
9. Pezeshki A., **M. Ebrahimi** , M. Khayyam Nekouei and S. Kadkhodaei (2010) Effects of several plant growth regulators, carbon source and amino acids on somatic embryos obtained from embryogenic cell suspension culture of alfalfa (*Medicago sativa* L.) (Text in Persian). Iranian Journal of Rangelands Forests Plant Breeding and Genetic Research. 18(1):63-73
10. Ashrafi S., M. R. Mofid, M. Otroshi, **M. Ebrahimi** and M. Khosroshahli (2010) EFFECTS OF PLANT GROWTH REGULATORS ON THE CALLOGENESIS AND TAXOL PRODUCTION IN CELL SUSPENSION OF *Taxus baccata* L. Trakia Journal of Sciences, Vol. 8, No 2, pp 36-43
11. Roozbeh S., M. Otroshi, R. Bozorgipoor, **M. Ebrahimi**, A. Moeini Najafabadi and P.C. Struik (2011) MICROPROPAGATION OF *FERULA ASSA-FOETIDA* L. (A MEDICINAL PLANT) VIA DIRECT SOMATIC EMBRYOGENESIS. [International Symposium on Medicinal and Aromatic Plants IMAPS2010](#)
12. Kadkhodaei S., A.B. Ariff, H. Rajabi Memari, N.R. Ramakrishnan and **M.Ebrahimi** (2011) Construction of an expression vector for production of tissue plasminogen activator (t-PA) in a transgenic microalgae bioreactor. 2011 International Conference on Biomedical Engineering and Technology IPCBEE vol.11 (2011) © (2011) IACSIT Press, Singapore
13. Omidvar V., S.N.A. Abdullah, **M. Ebrahimi**, C.L. Ho and M. Mahmood (2013) Gene expression of the oil palm transcription factor EgAP2-1 during fruit ripening and in response to ethylene and ABA treatments. BIOLOGIA PLANTARUM 57 (4): 646-654
14. **Ebrahimi M.**, A. Pezeshki, M. Khayyam Nekouei and S. Kadkhodaei (2014) Investigation effect of kind and concentration of sodium alginate encapsulation in germination and growth of alfalfa artificial seed. QUARTERLY PAJOUHESH-VA-SAZANDEGI. 101:48-54.
15. Movahedi A., J. Zhang, P.Gao, Y. Yang, L. Wang, T. Yin, S. Kadkhodaei, **M. Ebrahimi** and Q. Zhuge (2014) Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. Plant Cell Tiss Organ Cult DOI 10.1007/s11240-014-0588-z

16. Mirniam A., P. Roshandel, M. Otroshi and **M. Ebrahimi** (2013) A Novel Protocol for *Stevia rebaudiana* Bert Regeneration. *J. Adv. Lab. Res. Biol.* IV(I):15-22
17. **Ebrahimi M**, Siti Nor Akmar A, Maheeran AA, Parameswari N (2015) A novel cbf that regulates abiotic stress response and ripening process in oil palm (*Elaeis guineensis*) fruits. *Tree Genetics & Genomes*. DOI 10.1007/s11295-015-0874-x
18. **Ebrahimi M**, Siti Nor Akmar A, Maheeran AA, Parameswari N (2016) An oil palm Egcbf3 conferred stress tolerance in transgenic tomato through modulation of ethylene signalling pathway. *J. of Plant Physiology*. doi:10.1016/j.jplph.2016.07.001

9- Congresses & conferences

1. Ebrahimi M. and B.Naserian,. 2003. Comparison of tissue culture and whole plant responses to salinity in soybean (*Glycin max* L.). Proceedings of 3rd Iranian Biotechnology Congress. Mashhad.Iran.
2. Ebrahimi M., F.Majd, E.Jorjani, M.Naseri Tafti and B.Naserian,. 2004. The study of salt stress tolerance of irradiated calli in soybean (*Glycine max* L.). Proceedings of the 7th Iranian crop science congress. Karaj. Iran.
3. Ebrahimi M., M.Khayam Nekoei and S.Kadkhodaie, 2006. A study on some factors affecting somatic embryogenesis in soybean (*Glycine max* L.). 14th National & 2nd International Conference of Biology. Tarbiat Modares University. 29-31 August. Tehran. Iran.
4. Kadkhodaie S., M.Ebrahimi M.R.Mofid and V.Safavi., 2006. Application of activated charcoal in DNA extraction procedures in order to remove polyphenolic compounds from plants tissues. 14th National & 2nd International Conference of Biology. Tarbiat Modares University. 29-31 August. Tehran. Iran.
5. Ebrahimi M., 2005. Economical capabilities of plant tissue culture and necessity of its application in Iran. Proceedings of the Research week. Isfahan Research Center. Iran.
6. Behbahani M., M.Khayam Nekoei, H. Samavatian and M.Ebrahimi. 2004. Application of phosphor biofertilizers in increasing of crop yield. Proceedings of the 8th Iranian crop science and plant breeding congress. Rasht. Iran.
7. Ranjeban M., M.Khayam Nekoei and M.Ebrahimi. 2006. Study of some factors affecting somatic embryogenesis in soybean (*Glycine max* L.). The first national congress of biotechnology and biocatalysts. Tehran. Iran.
8. Kadkhodaie S., M.Ebrahimi and M.Khayam Nekoei,. 2007. Study of heat requirement for flowering in some Iranian almond cultivars. The 5th Iranian Horticultural Science Congress. Shiraz. Iran.
9. Kadkhodaie S., M.Khayam Nekoei M.Ebrahimi, M.Kardi and H. Daneshvar,. 2007. Study of genetic diversity among the most important almond cultivars. The 5th Iranian Horticultural Science Congress. Shiraz. Iran
10. Kadkhodaie S., M.Ebrahimi, M.Khayam Nekoei and A.Arabha,. 2007. Karyological study of 3 species of Iranian.Almond (*Amygdalus* spp.) genus. First national congress of Horticultural Science. Kermanshah. Iran.
11. Pezashki A., M.Ebrahimi, M.Khayam Nekoei and S.Kadkhodaie,. 2007. Study of callogenesis and regeneration ability of 13 cultivars of alfalfa(*Medicago sativa* L.). Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.
12. Ebrahimi M. M.Khayam Nekoei, A.Pezashki, S.Kadkhodaie and M.R. Mofid,. 2007. Optimization of encapsulation stage of alfalfa (*Medicago sativa* L.) somatic embryos in order to artificial seed production. Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.
13. Ebrahimi M. A.Pezashki, M.Khayam Nekoei, S.Kadkhodaie and M.R. Mofid,. 2007. A study on some factors affecting quantity and quality of alfalfa (*Medicago sativa* L.) somatic embryos obtained from suspension culture. Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.

14. Kadkhodaie S., M.Khayam Nekoei, M.Mardi, A.Imani, M.Ebrahimi and M.R.Mofid,. 2007. Genetic identification of Iranian almond cultivars and genotypes. Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.
15. Karimi N., M.Ebrahimi, R. Naderi, M.R.Mofid and S.Kadkhodaie,. 2007. Effect of aroel, size and position of explants on callogenesis of 2 cultivars of an ornamental-medicinal plant of *Cereus peruvianus* MILL. Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.
16. Karimi N., M.Ebrahimi, R. Naderi, M.R.Mofid and G. Hekmati,. 2007. Micropropagation of an ornamental-medicinal plant of *Cereus peruvianus* MILL. Proceedings of 5th Iranian Biotechnology Congress. Tehran. Iran.
17. Kazemitabar, SK., A. Pezeshki, M. Ebrahimi, M. Khayam Nekoei. 2008. A study on the effect of different treatment on quantity of the suspension culture derived somatic embryos in alfafa. . ICSC 2008, Korea, April 13-18.
18. Mirrniam A., M. Otroshi, P. Roshandel and M. Ebrahimi. 2009. Studies of *Stevia rebaudiana* Bert. Organogenesis using tissue culture technique. National Conference of Biology Students (NCBS).24-25 July. Shahrekord University. Shahrekord. Iran.
19. Abbasi Kejani A., M. Ebrahimi, K. Alami-saeid, M. R. Mofid and M. H. Daneshvar, 2009. Study on the effect of Plant Growth regulators (PGRs) and antioxidants composition on the *Taxus baccata* callus induction medium. The 6th National Biotechnology Congress of Iran. 13-15 Aug, 2009, Tehran-Iran.
20. Nasirimadiseh Z., M.R Mofid , Ebrahimi M , S.M. Khayyam nekoei, M. Khosrochahli., 2009 . Isolation of Taxol-producing endophytes fungi from Iranian yew (*Taxus baccata* L.), The 6th National Biotechnology Congress of Iran. 13-15 Aug, 2009, Tehran-Iran.
21. Ashrafi S. , M.R. Mofid, M. Ebrahimi, M. Otroshi and M. Khosroshahlo, 2009. Study of methyl-jasmonate, acid salicylic and 2 fungal elicitors effect on extra-cellular taxol production in immobilized cell suspension culture of Iranian yew (*Taxus baccata* L.), The 6th National Biotechnology Congress of Iran. 13-15 Aug, 2009, Tehran-Iran.
22. Ebrahimi M, S.N.A. Abdullah, A.A. Maheran and N. Parameswari (2013) Morphological changes related to overexpression of an ethylene-responsive factor from oil palm in tomato (*lycopersicon esculentum*). International Conference on Crop Improvement (ICCI2013). 25-26 Nov. 2013.

10 – Teaching experiences

No.	Title of Course	University	Year
1	Genetics	Faculty of Agriculture – Zabol University	2000-2001
2	Statistics and experimental designs	Faculty of Agriculture – Zabol University	2000-2002
3	Plant Breeding	Faculty of Agriculture –Azad University-Roodehen	2002-2003
4	Plant Tissue Culture	Faculty of Agriculture- University of Applied Science and Technology	2008
1	Introduction of tissue culture techniques and their application in agriculture	3 hours	2006
2	Introduction of tissue culture and its application in agriculture	16 hours	2007
3	Introduction of tissue culture and its application in agriculture	16 hours	2007

11 – Supervisor or advisor of thesis

No.	Title	MSc./PhD	Year of Viva	Responsibility in MSc./PhD Thesis
1	Alfalfa (<i>Medicago sativa</i> L.) artificial seed production	MSc.	2007	Advisor
2	Micropropagation of <i>Cereous perovianus</i>	MSc.	2007	Advisor
3	Micropropagation of assafoetida (<i>Ferula assa foetida</i>)	MSc.	2008	Advisor
4	Study of some factors affecting stevia (<i>Stevia rebaudiana</i> Bertoni) organogenesis	MSc.	2009	Advisor

12– Honors and awards

No.	Type	Year	Encourager
1	Appreciation for activities in potato minituber production	2007	Agri-Jahad minister
2	Prize for the best researcher in <i>ABRII-CR</i>	2006	Head of the institute
3	Prize for the best research expert in <i>ABRII</i>	2008	Head of the institute
4	Appreciation for presentation of best research proposal in 1 st exposition of Innovation & creativity – Isfahan Province.	2008	Isfahan Governor
	Appreciation for achievements in stevia and Aloe vera micropropagation	2012	Agri-Jahad minister
5	Prize for the best researcher in <i>ABRII-CR</i>	2016	Head of the institute

13- Patents

No.	Title	Year
1	Mass production protocol of <i>Aloe vera</i> L., an ornamental-medicinal plant, using tissue culture technique	2007
2	Mass production protocol of stevia (<i>Stevia rebaudiana</i> Ber.) using tissue culture technique	2008
3	An applied method for breaking of Seed dormancy of assafoetida (<i>Ferula assa-foetida</i> L.)	2008
4	Biotechnology Multimedia Database (BMDB)	2008
5	Mass production protocol of <i>Fragaria vesca</i> using tissue culture technique	2009
6	Mass production protocol of sweet pepper (<i>Capsicum annum</i> L) using tissue culture technique	2009

14-Training courses

Year	Title
2003	Participation in Training workshop " Introduction to Biotechnology "
2004	Participation in Training workshop " Controllable Environments "
2007	Participation in Training workshop " Bioethics and Biotechnology "- Research Institute of Islamic Science and Culture.
2008	Participation in Training workshop " Haploidy and its application in plant breeding " ABRII (Agricultural Biotechnology Research Institute of Iran)
2008	Participation in Training workshop " Molecular markers and their applications in ornamental and crop plants breeding " ABRII-CR (Agricultural Biotechnology Research Institute of Iran-Central Region)
2008	Participation in Training workshop " Introduction to genetic engineering techniques "- ABRII-CR (Agricultural Biotechnology Research Institute of Iran-Central Region)
2008	Participation in Training workshop " Introduction to Bioinformatics "-ABRII-CR (Agricultural Biotechnology Research Institute of Iran-Central Region)
2010	Seminar on application of transgenic technologies in agriculture . ITA, UPM. Malaysia
2011	Step-by-step approach to manuscript writing and publishing seminar. SGS, UPM. Malaysia
2012	Bio-Rad real time PCR seminar . ITA, UPM. Malaysia
2012	TaqMan gene expression workshop with applied biosystems StepOnePlus™ Real-Time PCR system . ALALISA RESOURCES, Malaysia