



# Masoumeh Emadpour

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**Date of birth:** 25/07/1981 | **Nationality:** Iranian | **Gender:** Female |

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**Address:** Tarbiat Modares University, Agricultural Biotechnology Department, Pajouhesh Blvd., 1497713111, Tehran, Iran (Work)

## WORK EXPERIENCE

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2017 – CURRENT Tehran, Iran

**ASSISTANT PROFESSOR** TARBIAT MODARES UNIVERSITY, DEPARTMENT OF AGRICULTURAL BIOTECHNOLOGY

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2016 – 2017 Karaj, Iran

**POSTDOCTORAL RESEARCHER** AGRICULTURAL BIOTECHNOLOGY RESEARCH INSTITUTE OF IRAN (ABRII)

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2014 – 2015 Potsdam, Germany

**POSTDOCTORAL RESEARCH FELLOW** MAX-PLANCK INSTITUTE OF MOLECULAR PLANT PHYSIOLOGY

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2006 – 2010 Karaj, Iran

**RESEARCH ASSISTANT** AGRICULTURAL BIOTECHNOLOGY RESEARCH INSTITUTE OF IRAN (ABRII)

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## EDUCATION AND TRAINING

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2010 – 2014

**PHD IN MOLECULAR BIOTECHNOLOGY** Max-Planck institute of molecular plant physiology/ University of Potsdam, Germany

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**Website** <https://www.mpimp-golm.mpg.de/2168/en>

2003 – 2005

**MSC IN AGRICULTURAL BIOTECHNOLOGY** Imam Khomeini International University, Qazvin, Iran.

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**Website** <http://www.ikiu.ac.ir/en/>

1999 – 2002

**BSC. AGRICULTURAL ENGINEERING- AGRONOMY AND PLANT BREEDING**, Bu-Ali Sina, Hamedan, Iran.

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**Website** <http://basu.ac.ir/en/home>

**PERSIAN HIGH SCHOOL DIPLOMA** Haj Taghavinejad High school, Arak, Iran.

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## LANGUAGE SKILLS

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Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C1	C2
<b>GERMAN</b>	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● NETWORKS AND MEMBERSHIPS

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2009 – CURRENT Iran

**Iranian Society of Biosafety**

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2009 – CURRENT

**Iranian Society of Biotechnology**

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2006 – CURRENT

**Iranian Organization of Agricultural and Natural Resources Engineering**

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## ● LABORATORY EXPERIENCES

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- Plant nucleic acid and protein extractions and related molecular analysis techniques like cloning of the genes.

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- Plant cell and tissue culture methods, including induction of adventitious organs and somatic embryos and micro propagation

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- Microalgae propagation and biomass harvesting

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- Methods of genetic techniques including PCR, agarose and acrylamide gel Electrophoresis

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- Isolation and culture of bacteria, plant and algae.

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- Storage and quality control of the fruits in postharvest period.

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- Organizing research projects, carrying out the experiments and writing reports

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## ● MAIN JOURNAL PUBLICATIONS

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2024

**Highly efficient microtuber formation, direct shoot regeneration, and root induction in *Cyclamen persicum* Mill. from in vitro seedling-derived tuber and leaf segments**

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Monireh Shahabi, **Masoumeh Emadpour**, Ahmad Moieni

2024

**Genetic screening method for *Chlamydomonas reinhardtii* lines efficiently expressing nuclear transgenes**

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Mohammad Ali Abbasi-Vineh, **Masoumeh Emadpour**\*, Rouhollah Barahimipour (2024). Modern Genetics Journal.

2023

**Advances in the Transformation of *Cyclamen persicum* Mill. Through Direct Regeneration Based on an Optimized Kanamycin Selection Scheme**

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Mohammad Hossein Mirzaee, **Masoumeh Emadpour**

2022

**Recovery of virus-free Almond (*Prunus dulcis*) cultivars by somatic embryogenesis from meristem undergone thermotherapy**

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Maryam Ebrahimi, Ali Akbar Habashi, **Masoumeh Emadpour**, Nooshin Kazemi

2022

**Investigation of different slow-growth inducing treatments for in vitro conservation of potato genotypes**

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Roya Bahari, Nazanin Amirbakhtiar, **Masoumeh Emadpour**

2020

**The Evaluation of Biochemical and Organoleptic Properties of Some Promising Table Olive Genotypes.**

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- Rezaei Kalaj Y, Zeinanloo A A, Tavusi S M and **Emadpour M.** (2020).  
Iranian Journal of Horticultural Science and Technology 51 (1) :139-151 (in persian).

2019

**Application of polyploidization in breeding of ornamental plants**

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Maryam Jafarkhani Kermani, **Masoumeh Emadpour**

2018

**Effect of Table Olive Processing Methods on the Physico-Chemical Properties of Some Promising Olive Genotypes.**

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- Rezaei Kalaj Y., Zeinanloo A. A., Tavusi S.M. and **Emadpour M.** (2018)  
Iranian Journal of Horticultural Science and Technology 19 (1):75-88.

**Boosting riboswitch efficiency by RNA amplification.**

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- **Emadpour M.**, Karcher D. and Bock R. (2015)  
Nucleic Acid Research, 43(10): e66. doi:10.1093/nar/gkv165.

2015

**Effect of the Potassium Permanganate Coated Zeolite Nanoparticles on the Quality Characteristic and Shelf Life of Peach and Nectarine.**

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- **Emadpour M.**, Ghareyazie B., Rezaei Kalaj Y., Entesari M. and Bouzari N. (2015)  
Journal of Agricultural Technology 11(5):1263-127.

2008

**Effect of the Removal of Ethylen Hormone by Potassium Permanganate Coated Zeolite Nanoparticles on the Increased Quality and Quantity of Storage of Iceberg Lettuce (*Lactuca sativa* L.) and Chinese cabbage (*Brassica pekinensis*)**

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Rezaei Kalaj Y., Ghareyazie B., **Emadpour M.**, Omrani A. and G. Mohammadi. (2008)  
Journal of Agricultural Science and Natural Resources 15(6): 188-197.

2009

**A high genetic diversity revealed between commercial rose cultivars by RAPD-PCR technique.**

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- **Emadpour M.**, Hosseini R. and E. Beiramizadeh. (2009)  
International Journal of Plant Production 3(4): 61-66 .

● **AWARDS AND SCHOLARS**

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04/2017

**Researcher at Tarbiat Modares University offered by the National Elite Foundation of Iran.**

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06/2016

**Best oral presentation award in the 2nd international genetic congress, Tehran, Iran.**

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06/2015

**Postdoc fellowship from Max-Planck institute of molecular plant physiology, Potsdam, Germany.**

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04/2014

**Bridge scholarship from University of Potsdam, Germany.**

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07/2013

**Best oral presentation award in the 9th national biotechnology congress, Tehran, Iran.**

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02/2012

**Ranked 1st among 20-years M.Sc. graduates of Agricultural biotechnology major, Imam Khomeini International University, Qazvin, Iran.**

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07/2010

**PhD scholarship from ministry of research, science and technology of Iran to study in Germany.**

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