

Fatemeh Moein

Contact Information

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Dustan Ave.
Maali Abad Blv.
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Iran

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Education

2013-2019t

Ph.D thesis: Evolutionary pattern of the genus *Salvia* in Iran

Tarbiat Modares University, Tehran , Iran

M.Sc. Plant Science September

2008 - March 2011

M.Sc. Thesis: Molecular Phylogeny of the Genus *Hedysarum*(Fabaceae Hedysareae) based on nrDNA ITS and trnL-trnL-trnF Sequences.

Shahid Beheshti University, Tehran , Iran

B.Sc. Plant Science

September 2004 - 2008

B.Sc.Thesis: Anti-cancer Vaccine

Research Interests

Plant Phylogeny
Plant Phylogeography and Biogeography
Study In uence of Space and Time on Plant Distribution

Research Experience

Oct 2015 - Jan 2017

Visitng scholar in Molecular lab of Florida Museum of Natural History under Doug Soltis and Pamela Soltis supervision

Publications

1. Amirahmadi, A., Kazempour Osaloo, S. **Moein, F.**, A. Kaveh., Maassoumi, A. Molecular Systematics of the Tribe Hedysareae (Fabaceae) based on nrDNA ITS and plastid trnL-F and matK sequences. 2013. *Plant Syst Evol.* 300:729-747
2. Jamzad, Z., **Moein, F.** 2017. The conservation status of *Salvia aristata*, a rare species of the genus *Salvia*, *Iran Nature*, 2(3), pp. 92-95.
3. **Moein, F.**, Jamzad, Z., Rahiminejad, M. R. An integrating study of genetic diversity and Ecological Niche Modeling in *Salvia aristata* (Lamiaceae). 2019 *Acta Botanica Hungarica* 61(1-2), pp. 185-204, 2019.
4. **Moein, F.** Jamzad, Z., Rahiminejad, M.R. Moein, F., Jamzad, Z., Rahiminejad, M. R. Current geographical distribution of *Salvia aristata* (Lamiaceae), prediction of its future distribution based on climatical data: A guide for its conservation. 2019. *IRAN. J. BOT.*
5. **Moein, F.**, Jamzad, Z., Rahiminejad, M. R, Mirtajzadini seyed Mansour, Soltis, D. E, Soltis, P. E. A global perspective on *Salvia* L. phylogeny, diversification and floral evolution. 2022 (In Review)

Conference Presentations

Oral presentation

Moein, F., Jamzad, Z., Rahiminejad, MR., Gitzendanner, M., Soltis, D., Soltis, P Phylogenetic relationships, character evolution, and biogeography of *Salvia* (Lamiaceae), with special focus on Iranian taxa, XIX International Botanical Congress, July 2017, Shenzhen, China

Moein, F., Jamzad, Z., Rahiminejad, MR, Genetic Variation and Structure among *Salvia aristata* (Lamiaceae) Populations Based on SRAP Marker, International symposium on advances in Lamiaceae science, April 2017, Antalya, Turkey

Moein, F., Kazempour Osaloo, S., Maassoumi, A. Molecular Phylogeny and Biogeography of the Genus *Hedysarum* (Fabaceae-Hedysareae) 17th National 5th International Iranian Biology Conference, 2012, Kerman, Iran.

Poster presentation

1. Amirahmadi, A., Kazempour Osaloo, S. **Moein, F.**, A. Kaveh., Maassoumi, A. Molecular Phylogenetic of the Tribe Hedysareae (Fabaceae-Papilionoideae) (poster) 18th International Botanical Congress, 2011, Melbourne, Australia.
2. **Moein, F.**, Kazempour Osaloo, S., Maassoumi, A. Molecular Phylogeny of the Genus *Hedysarum* based on nrDNA ITS (poster) 11th Iranian Genetic Congress, 2012, Tehran, Iran.
3. **Moein, F.**, Kazempour Osaloo, S., Maassoumi, A. Phylogenetic Perspective of the Genus *Hedysarum* (Fabaceae-Hedysareae) (poster) 16th National and 4th International Conference of Biology, 2010, Mashad, Iran.
4. **Moein, F.**, Kazempour Osaloo, S., Maassoumi, A. Molecular Phylogeny of the Genus *Hedysarum* based on trnL-F Sequence of the Chloroplast (poster) 2nd National Biology Congress of Young Researchers, 2011, Tehran, Iran.
5. **Moein, F.**, Jamzad, Z., Rahiminejad, MR., Mavrodiev, E., Gitzendanner, M., Soltis, D., Soltis, P. Phylogenetic relationship of *Salvia* (Lamiaceae), with special focus on Iranian taxa, Botany 2016, Savannah, Georgia.

Skills

Nucleic Acid extraction from Plant Tissues	Use of Gel Electrophoresis and Making Solutions
Amplification of DNA Sequence via Thermal Cycler Set	Performing and Analyzing of Antioxidant Test on Medicinal Plant

Molecular Computational Softwares

PAUP [*] 4b10 (Swofford 2002)	MEGA5
PaupUp	BEAST v.1.4
Mr Bayes Program	Mesquite Program
RASP Software	RAXML
R-Programming work with phylogenetic packages such as phytools, ape, BAMM, HiSSE, gieger, ...	Basic Niche Modeling

Teaching Experiences

Payame Nour University, Istahban, Iran

Fall 2012

Spring 2012

{ Evolution

{ Plant taxonomy and Classification Rule

Fall 2011

{ Plant Morphology

{ Plant Ecology

Teaching
Assistance
Experiences

Plant Molecular Systematic lab
2009-2011: Prof. Shahrokh Kazempour Osaloo
Chemistry lab
Spring 2006: Prof. Zahra Kandi

Honors and
Awards

Outstanding student IBC 2017 award program

Extra Activities

Mountaineering, Playing Badminton and Swimming
Literature, Philosophy

Moein, F., Kazempour Osaloo, S., Maassoumi, A. Phylogenetic Perspective of the Genus Hedysarum (Fabaceae-Hedysareae)(poster)
16th National and 4th International Conference of Biology, 2010, Mashad, Iran.

6. Moein, F., Kazempour Osaloo, S., Maassoumi, A. Molecular Phylogeny of the Genus Hedysarum based on trnL-F Sequence of the Chloroplast (poster)
2nd National Biology Congress of Young Researchers, 2011, Tehran, Iran.

7. Moein, F., Jamzad, Z., Rahiminejad, MR., Mavrodiev, E., Gitzendanner, M., Soltis, D., Soltis, P. Phylogenetic relationship of Salvia (Lamiaceae), with special focus on Iranian taxa, Botany 2016, Savannah, Georgia.

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Teaching Experiences

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Fall 2012 { Evolution	Spring 2012 { Plant taxonomy and Classification Rule
Fall 2011 { Plant Morphology { Plant Ecology	

Teaching Assistance Experiences

Plant Molecular Systematic lab
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Chemistry lab
Spring 2006: Prof. Zahra Kandi

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