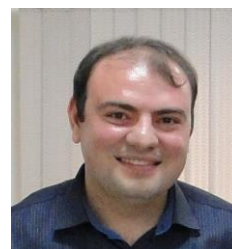


Curriculum Vitae

Last Update: 03/06/2024



Personal Information

Full Name: Seyed Amir Moosavi (Ph.D.)

Email: amir.msa@gmail.com

amirmoosavi@asnrukh.ac.ir

Google Scholar

| | All | Since 2017 |
|------------------|-----|------------|
| <u>Citations</u> | 812 | 477 |
| <u>h-index</u> | 15 | 11 |
| <u>i10-index</u> | 17 | 13 |

Address:

Assistant Professor, Department of Agronomy, College of Agriculture, Khuzestan University of Agricultural Sciences and Natural Resources, Mollasani, Khuzestan, Iran.

Phone Number: +9809127114097 Fax: +986136522425 Postal Code: 6341773637

Coarse Title:

- Modelling of crop growth and development (Graduate - PhD)
- Biology of seedling growth and development (Graduate - PhD)
- Physiology of seed development and survival (Graduate – PhD)
- Embryogenesis and tissue differentiation (Graduate - MSc)
- Seed Physiology (Graduate - MSc)
- Modeling in Seed Biology (Graduate - MSc)
- Seed and transplant Production (Graduate - MSc)
- Plant Hormones (Graduate - MSc)
- Fundamental Agronomy (Under Graduate)
- Seed certificate and technology (Under Graduate)
- English in Agriculture (Under Graduate)
- Computer Science in Agriculture (Under Graduate)

Awards

- Ranked **2nd** in the Iranian National University Entrance Exam (Konkoor) for Master of Seed Science and Technology program (2006).

- Winner of full funded scholarship prize supported by the Iranian Ministry of science, research and technology (2012).

Educational Background:

- Ph.D. of Agronomy, Department of Agronomy, Tarbiat Modares University, Tehran, Iran (2017 with an excellent degree).

Thesis Title: Effect of nutrition systems and ecotypes on biomass, seed yield and oil quality of Okra for biodiesel production

- MSc. Seed Science and Technology, University of Tehran, Iran.

Thesis Title: Effect of Osmopriming on quality and quantity trials of forage and grain Amaranth genotypes under salt and drought stress (2009 with an excellent degree)

- B.S. Agronomy and Plant breeding, University of Chamran, Ahwaz, Iran, (2002-2006).
- Sabbatical visiting, Aarhus University, Denmark (April-September 2016).

Journal Reviewer for:

- Scientific Reports, Nature.
- Plant and Soil Science (Springer)
- Journal of Soil science and Plant nutrition (Springer)
- Australian Journal of Crop Science
- Environmental Monitoring and Assessment (Elsevier)
- Journal of Applied Research on Medicinal and Aromatic Plants (Elsevier)
- Industrial Crops and Products (Elsevier)
- Acta Physiologiae Plantarum (Springer)
- Archives of Agronomy and Soil Sciences (Elsevier)
- Iranian Journal of Field Crop Science (University of Tehran)
- Iranian Journal of Seed Science and Technology (Iranian Seed Association)
- Journal of Agricultural science
- Journal of Agricultural Science and Technology (JAST)
- Journal of Crops Improvement (University of Tehran)

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- Notulae Scientia Biologicae
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Publications:

Journal Papers:

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5. **Effects of Intercropping (Canola-Faba Bean) on Density and Diversity of Weeds**, M. H. Gharineh, S. A. Moosavi. Not Sci Biol 2 (1), 109-112. 2010
6. **Effects of Osmopriming on germination and vigor traits of bersim clover (*Trifolium alexandrinum* L.)** Hossein Reza Rouhi, Reza Tavakkol Afshari, Seyed Amir Moosavi, Mohammad Hossain Gharineh. Not Sci Biol 2 (4), 59-63. 2010
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Conferences

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3. **Allelopathic effects of *Citrus aurantium*, *Cordia myxa* and *Ficus* trees on wheat seed germination**, A. Moosavi, et al. First national conference of seed science and technology, Gorgan, Iran, 2008
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6. **Comparisons of Peroxidase activity and total seed protein of four *Amaranth* genotypes**, A. Moosavi, R. Tavakkol Afshari, F. Sharif-Zadeh and A. Ayneband, The 6th National Biotechnology Congress of Iran 13-15 Aug, 2009,
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16. **Effect of some heavy metals on germination and seedling growth of *Lens culinaris* Medik**, **Seyed Amir Moosavi**, Mohammad Hossain Gharineh, Nasrin Esanejad, Masoumeh Namarvari, Vafa Torfi, Zahra Zadian, The First national conference on phytoremediation, Feb 16, 2012, International Centre for science & high technology and environmental sciences, Kerman, Iran
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40. **Investigation of the Role of Sunflower Seed Shell on Germination Damage Affected by Tractor Pollutants**, 2020. Seyed Amir Moosavi, Fatemeh Afsharnia. 16th National Iranian Crop Science Congress.
41. **Effect of Temperature on seed germination properties of (*Cucumis melo* var. *Dudaim*)**. 2021, Mahin Mansouri, Hadis Paryad, Mokhtar Heidari, Seyed Amir Moosavi, 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran. Tabriz.
42. **Treatments to overcome seed dormancy in Caper (*Capparis Spinosa*)**, 2021, Elham Nezarat, Mohammad Hossain Gharineh, Seyed Amir Moosavi, Saman Abdanan Mehdizadeh, Oral Presentation, The Sevent International Mediterranean Symposium on Medicinal and Aromatic Plants, Izmir, Turkey.
- 43.

Research Projects:

- Study the effects of Ultrasonic assisted seed priming technique to enhance seed germination and metabolite changes of aged Milk thistle (*Silybum marianum*) seeds (Research Grant: 961/15). 2016.
- Quantification of seed germination responses of Sesame cultivars to different levels of osmotic stress. (Research Grant: 971/23) 2018.
- Study the relationship between method of pod management and seed quality in Okra (Research Grant: 1/411/1230). 2019.
- Study of Castor bean seed germination improving techniques under different environmental stresses. (Research Grant: 981/04). 2019.
- Effect of seed dormancy breakage treatments on seed germination properties of (*Notobssis syrica*)
- Quantification of seed Germination responses of (*Echinopsis ritro*) and (*Centaure virgate*) to different levels of salinity and drought stresses. (Research Grant: 961/25). 2019.
- Investigation on the effects of Canola seed size on seed germination characteristics under temperature, drought and salinity conditions.

Workshops:

Lecturer:

- Introduction to R and R studio in Seed Research, (University of Tehran, 2021).
- Application of Digital Image Processing in Seed Quality Assessment. (Agricultural Sciences and Natural Resources of Khuzestan 2020)
- Introduction to Standard Seed Germination Techniques and Calculations (University of Agricultural Sciences and Natural Resources of Khuzestan, 2018)
- Seed Dormancy (University of Tehran, 2008)
- Application of Mendeley software in reference management of scientific manuscripts, Tarbiat Modares University, (2015)
- Mendeley Software, Ramin University of agriculture and Natural Resources (2017).

Attended:

- Basic development models for simulation the development, growth and yields of crops, Crop Science Society of Iran. 2021.
- Soil Testing and Nutrient Removal Trends, American Society of Agronomy, 2021
- How Drone Mapping Is Used in Trial Management and Statistical Analysis, American Society of Agronomy, 2021
- ISTA Plant Health Seminar, 2021
- Antioxidant activity assay methods (enzymatic and non enzymatic), Iranian biological resource center (IBRC), December, 12-13, 2013.Tehran, Iran.
- Gas Chromatography, 2013, Tarbiat Modares University (TMU), Tehran., Iran
- GIS, Workshop, 2012, Tarbiat Modares University (TMU), Tehran., Iran
- SPSS Workshop, 2012, Ramin Agriculture and Natural Resources University
- Application of PCR in molecular biology, 2012, Iranian Society of Biotechnology
- Eukaryotic nucleic acid extraction, Iranian Society of Biotechnology, 24 and 24 Nov 2011, Tehran, Iran
- Bioinformatics and Systems biology, 6-9 June 2011, Collage of Abouraihan, The University of Tehran, Iran
- Application of HPLC, 2010, Ahwaz, Iran

- How to have an effective relationship between student and teachers in University, 2010, Ahwaz, Iran
- First Iranian congress of proteomics, 21/Feb/2007, Tehran, Iran
- Seminar of introduction to Nano technology, 24/Jul/2008

Activities:

- Member of The Academy of Persian Language and Literature , Seed word choice
- Representative of the University Head in Entrepreneurship Committee (2018-2019)
- Representative of Head of Department of Plant Production and Genetics (2018-2020).
- Member of the scientific board/committee, The 4th National Conference of Seed Science and Technology of Iran.
- Member of the scientific board/committee, The 16th National Iranian Crop Science Congress of Iran.
- Chief of organization in research and science week ceremony, Agriculture and Natural Resources University of Ramin, 2009.
- Head of student's scientific community of Department of Agronomy and Plant breeding, University of Chamran, Faculty of Ramin, 2006.

Research Interests:

- Plant Physiology
- Seed Science and Technology
- Bioenergy and Food Security