

Curriculum Vitae

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

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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 (Konkour) 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)
- Environmental Monitoring and Assessment (Elsevier)
- Journal of Applied Research on Medicinal and Aromatic Plants (Elsevier)
- Industrial Crops and Products (Elsevier)
- Acta Physiologiae Plantarum (Springer)
- Plusone
- 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)

- Notulae Botanicae Horti Agrobotanici Cluj-Napoca
- Notulae Scientia Biologicae
- Philippian Agricultural Scientists

Publications:

Journal Papers:

1. **Effect of seed priming on germination characteristics, polyphenoloxidase, and peroxidase activities of four amaranth cultivars**, A. Moosavi, R. Tavakkol Afshari, F. Sharif-Zadeh and A. Ayneband, *Journal of Food, Agriculture & Environment* Vol.7 (3&4) : 353 - 358 . 2009
2. **Seed priming to increase salt and drought stress tolerance during germination in cultivated species of Amaranth**, A. Moosavi, R. Tavakkol Afshari, F. Sharif-Zadeh and A. Ayneband, *Seed Sci. & Technol.*, 37, 781-785. 2009
3. **Callus formation and shoot organogenesis in Moshgak (*Ducrosia flabellifolia* Boiss.) from cotyledon**, Manoochehr Karimi, Amin Ebrahimi, Amir Sahrarou, **Seyed-Amir Moosavi**, Firoozeh Moosavi and Mohammad-Reza Bihamta, *Journal of Food, Agriculture & Environment* Vol.7 (2) : 441-445. 2009
4. **Effects of priming techniques on seed germination and early growth characteristics of *Bromus tomentellus* L. and *Bromus inermis* L.** A. Tavili, S. Zare, S. A. Moosavi, A. Enayati. *Not Sci Biol* 2 (1). 104-108. 2010
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
7. **Effects of Seed Priming on Germination Characteristics of Bromus Species under Salt and Drought Conditions** Ali Tavili, Salman Zare, **Seyed Amir Moosavi** and Abdollahader Enayati. *American-Eurasian J. Agric. & Environ. Sci.*, 10 (2): 163-168, 2011
8. **Allelopathic Effects of Aqueous Extract of Leaf Stem and Root of *Sorghum bicolor* on Seed Germination and Seedling Growth of *Vigna radiata* L.** Amir Moosavi, Reza tavakkol Afshari, Abouzar Asadi, Mohammad Hossain Gharineh *Not Sci Biol*, 2011, 3(2):114-118
9. **Effect of Hormone priming on improvement of aged corn seed**, Seyed Ata Siadat, Mehran Sharafizadeh and **Seyed Amir Moosavi**, 2011, *Journal of Crop Physiology*, Islamic Azad University, Branch of Ahwaz, Vol. 10, 67-83

10. **Effects of halo and phytohormone seed priming on germination and seedling growth of maize under different duration of accelerated ageing treatment**, Seyed Ata Siadat, **Seyed Amir Moosavi**, Meharan Sharafi Zadeh, Farbod Fotouhi and Mehdi Zirezadeh1, 2011, African Journal of Agricultural Research Vol. 6(31), pp. 6453-6462, 19

11. **Effects of seed priming on Antioxidant Activity and germination characteristics of maize under different ageing treatment**, Seyed Ata Siadat, **Amir Moosavi**, Meharan Sharafi Zadeh, 2012, Research Journal of Seed Science, 5 (2): 51-62 ISSN 1819-3552, pp. 1-12, DOI: 10. 3923

12. **The effects of different treatments on dormancy-breaking of Galbanum seeds (*Ferula gummosa Boiss.*)**, Rouhi H.R., Rahmati H., Saman M. , Shahbodaghloo A.R. , Karimi F., **A. Moosavi**, S.A., Rezaei M.E. , Karimi F., 2012, International Journal of AgriScience Vol. 2(7): 598-604

13. **Effects of some heavy metals on seed germination characteristics of Canola (*Barassica napus*), Wheat (*Triticum aestivum*) and Safflower (*Carthamus Tinctorious*) to evaluate phytoremediation potential of these crops**, **Seyed Amir Moosavi**, Mohammad Hossain Gharineh, Reza Tavakkol Afshari, Amin Ebrahimi, 2012, Journal of Agricultural Science; Vol. 4, No. 9; ISSN 1916-9752 E-ISSN 1916-9760 Published by Canadian Center of Science and Education

14. **Comparison between application of PGPR bacteria and chemical fertilizers on quality and total silage yield of Maize under different organic seed bed**, Adel Poshtdar, Seyed Ata siadat, Alireza Abdali mashhadi, **Seyed Amir Moosavi**, Hassan Hamdi, 2012, International Journal of Agriculture and Crop Sciences, Vol., 4 (11), 713-717

15. **Allelopathic Potential of Common Mallow (*Malva sylvestris*) on the Germination and the Initial Growth of Blanket Flower, plumed cockscomb and Sweet William**, Jalali, M, H.Gheysari, M.Azizi, S.M.Zahedi, **S.A.Moosavi**, 2013, Intl J Agri Crop Sci. Vol., 5 (15), 1638-1641,

16. **Effect of drought stress on germination characteristics of *Tanacetum polycephalum* under different temperature regimes**, Bahram Karavani, Reza Tavakkol Afshari, Naser Majnoon Hosseini, **Seyed Amir Moosavi**, 2013, Intl J Agri Crop Sci. Vol., 6 (14), 1018-1023

17. **Possibility of reducing deterioration damage of *Silybum marinum* seed using seed priming treatment**, S.A. Siadat **S.A.Moosavi** and M.Sharafai Zadeh, 2012, Journal of Crop physiology, Vol (2),311-326 (In Persian).

18. **Evaluation of germination parameters of *Scrophularia striata* under water and salinity stresses at different temperatures**, Bahram Karavani, Reza Tavakkol Afshari, Naser Majnoon Hosseini and **Seyed Amir Moosavi**, 2014, Iranian Journal of Field Crop Science, Vol (45):2, 265-275.
19. **Effects of heavy metals on germination indices and seed vigor of Maize under laboratory conditions**, Ghasem Parmoon, Ali Ebadi, Massumeh Ghahremani and Seyed Amir Moosavi, Seed Research, Vol (4) Issue:12, 40-51 (In Persian).
20. **Quantifying the cardinal temperatures and thermal time required for germination of *Silybum marianum* seed**, Ghasem Parmoon, Seyed Amir Moosavi, Hamed Akbari and Ali Ebadi, 2015, The Crop Journal, Vol (3): 2, 145-151
21. **Effects of seed priming on catalase activity and storage reservoirs of aged milk thistle seeds (*Silybum marianum*)**, Ghasem Parmoon, Ali Ebadi, Soodabe Janbakhsh and Seyed Amir Moosavi, 2015, Accepted, Tarimbilimleri, Journal of Agricultural Sciences Vol (21):3
22. **Alleviate Seed Ageing Effects in *Silybum marianum* by Application of Hormone Seed Priming**. Seyed Ata Siadat, Seyed Amir Moosavi and Mehran SharafiZadeh. (2015). Notulae Scientia Biologicae 7, no. 3: 316-321.
23. **Response of *Abelmoschus esculentus* seed production to different fertilizer management strategies**. **Seyed Amir Moosavi**, Majid Aghaalikhani, Barat Ghobadian, (2016). Journal of Global Agriculture and Ecology 6 (2), 82-89.
24. **Effect of salicylic acid on antioxidant enzymes of accelerated aging seeds of milk thistle (*Silybum marianum*)**, Ghasem Parmoon, Ali Ebadi, Soodabe Jahanbakhsh and **Seyed Amir Moosavi**, (2017). Journal of Plant Process and Function, Vol. 6, No. 20, 57-63.
25. **Okra: A potential future bioenergy crop in Iran**, Seyed Amir Moosavi, Majid Aghaalikhani, Barat Ghobadian, Ebrahim Fayyazi, (2018). Renewable and Sustainable Energy Reviews .93. 517–524
26. **Ultrasonic Assisted Seed Priming to Alleviate Aging Damages to Milk Thistle (*Silybum marianum*) Seeds**, Seyed Amir Moosavi, Seyed Ataollah Siadat, Adel Poshtdar, Fatemeh Direkvand (2018). Notulae Scientia Biologicae .10 (2). 275–281.
27. **Does seed quality affect the thermal thresholds of seed germination? Case Study: Farm saved seeds of wheat (*Triticum aestivum* L.) Cultivar Chamran**, Aboulfaz Derakhsahn, Seyed Amir Moosavi, (2018), Iranian Journal of Seed Science and Research 5 (3), 136-150

28. **How salinity stress influenced the thermal time requirements of seed germination in *Silybum marianum* and *Calendula officinalis*?** Ghasem Parmoon, Seyed Amir Moosavi, Seyed Ataollah Siadat, (2018), *Acta Physiologiae Plantarum*, 40:175. <https://doi.org/10.1007/s11738-018-2750-4>
29. **Effect of Exogenous Application of Several Plant Growth Regulators on Photosynthetic Pigments of Fennel Plants**, Ghasem Parmoon, Ali Ebadi, Soodabe Jahanbakhsh, Masoud Hashemi, **Seyed Amir Moosavi**, (2018), *Not Sci Biol*, 10(4):508-515. DOI: 10.25835/nsb10410356.
30. **Does seed quality affect the thermal thresholds of seed germination? Case Study: Farm saved seeds of wheat (*Triticum aestivum* L.) Cultivar Chamran**, Aboufaz Derakhsahn, Seyed Amir Moosavi, (2018), *Iranian Journal of Seed Science and Research* 5 (3), 136-150
31. **Performance of Iranian Okra Ecotypes Under Various Accelerated Aging Conditions**, Ghasem Parmoon, **Seyed Amir Moosavi**, Seyed Ataollah Siadat, (2019), *Horticultural Plant Journal*, 5 (1): 17–23.
32. **Assessing photosynthetic performance of fennel (*Foeniculum Vulgare* Mill) influenced by plant growth regulators and drought stress imposed at vegetative and reproductive stages**, Ghasem Parmoon, Ali Ebadi, Soodabe Jahanbakhsh, Masoud Hashemi, **Seyed Amir Moosavi**, (2019), *Italian Journal of Agronomy*. Accepted.
33. **The role of light and Gibberellic Acid on cardinal temperatures and thermal time required for germination of Charnushka (*Nigella sativa*) seed**, Zeinab Savaedi, Ghasem Parmoon, Seyed Amir Moosavi*, Abdolmehdi Bakhshande, (2019), *Industrial Crops and Products*, 132 (2019) 140–149
34. **Assessing photosynthetic performance of fennel (*Foeniculum Vulgare* Mill) influenced by plant growth regulators and drought stress imposed at vegetative and reproductive stages**, Ghasem Parmoon, Ali Ebadi, Soodabe Jahanbakhsh, Masoud Hashemi, Seyed Amir Moosavi, (2019), *Italian Journal of Agronomy*, 14 (1319): 93-100.
35. **Descriptions of okra seed longevity loss behavior using nonlinear regression models**, Ghasem Parmoon, Seyed Amir Moosavi, Seyed Ataollah Siadat, (2019). *Advances in Horticultural Sciences*, 33 (3): 301-31
36. **Quantifying seed germination responses of *Echinops* and *Centaurea* to salinity and drought stress, 2020**, Ahmad Zare, Seyed Amir Moosavi, *Notulae Scientia Biologicae*, 12(3).

37. **Effects of cadmium toxicity on sesame seed germination explained by various nonlinear growth models, 2020**, Ghasem Parmoon, Seyed Amir Moosavi, Adel Poshtdar, Seyed Ataollah Siadat, *OCL oil seed & fats Crops and Lipids*, 27 (57).
38. **Quantification of the seed germination of fennel ecotypes to osmotic stress using different statistical distributions, 2021**, Sama Kiani, Ghasem Parmoon, Seyed Amir Moosavi, Seyed Ataollah Siadat, *Iranian Journal of Seed Science and Technology*, 9(3):99-112.
39. **Investigation into the effects of temperature levels and relative humidity effects on Nigella (*Nigella sativa* L.) seed storage, 2021** Z. Savaedy, A.M. Bakhshandeh, S.A. Siadat, A. Lotfi Jalal Abadi, S.A. Moosavi, *Iranian Journal of Seed Science and Technology*, 9:(4) 75-88.
40. **Quantification of seed aging on seed germination properties of Wild mustard (*Sinapsis arvensis*) under Salinity Stress, 2021**, M. HajiMahmoodi, A.M. Bakhshandeh, S.A. Moosavi, S.A. Siadat. *Iranian Journal of Seed Science and Technology*, 10:(1) 43-58.
41. **Investigation of Seed Germination Responses of Aged Chia (*Salvia hispanica*) Seeds to Different Levels of Salinity Stresses by Three Models, 2021**. Amin Haghighi, Yazdan Izadi, Miad Haji Mahmoudi, Seyed Amir Moosavi, *Iranian Journal of Seed Research*, 7(2): 171-189.
42. **Effects of diesel-engine exhaust emissions on seed germination and seedling growth of Brassicaceae family using digital image analysis. 2021**. Fatemeh Afsharnia, Seyed Amir Moosavi, *Journal of Environmental Health Science and Engineering*. 19, 1887–1900.
43. **Effects of different treatments on seed dormancy breaking in Syrian Thistle (*Notobasis syriaca*) as the first report in Iran**. A Zare, SA Moosavi. *Iranian Journal of Field Crop Science* 52 (2), 133-144.
44. **The Effect of Hormone Seed Priming Using Gibberellic Acid on Seed Germination Characteristics and Seedling Growth of Coneflower (*Echinacea purpurea*). 2021**. F Usefi, A Siahpoosh, AM Bakhshandeh, SA Mousavi, *Iranian Journal of Seed Research* 8 (1), 173-188.

45. **Economics of Dual Purpose Okra as Influenced by Harvesting Strategies, 2021**, Seyed Amir Moosavi, Seyed Ataollah Siadat, Masoud Hashemi, Ghasem Parmoon, Adel Poshtdar, International Journal of Vegetable Science, 1931-5260. doi: 10.1080/19315260.2021.1993401.
46. **Investigation into the effects of temperature levels and relative humidity effects on *Nigella (Nigella sativa L.)* seed storage.** 2021. Zeinab Savaedy, Abdol Mahdi Bakhshande, Seyed Ataollah Siadat, Amir Lotfi JalalAbadi, Seyed Amir Moosavi. Iranian Journal of Seed Science and Technology. 9 (4). 75-88.
47. **Effects of seed priming with gibberellic acid on cardinal temperatures of *Borage (Borage officinalis L.)* seed germination.** 2021. Hadis Hasanvand, Ghasem Parmoon, Seyed Amir Moosavi, Seyed Ataollah Siadat. Iranian Journal of Seed Science and Technology. 10 (3). 43-56.
48. **The Effect of Hormone Seed Priming Using Gibberellic Acid on Seed Germination Characteristics and Seedling Growth of Coneflower (*Echinacea purpurea*).** 2021. Farshid Yousefi, Abdolreza Sihampoosh *, Abdolmahdi Bakhshandeh, Seyyed Amir Mousavi. Iranian Journal of Seed Research. 8 (1): 173-188.
49. **Effect of priming with nano and micro chelate magnesium in germination characteristics of *Hyssopus plants (Hyssopus officinalis L.)* under salinity stress.** 2022. B Shadkal, MH Gharineh, A LotfiJalal Abadi, SA Moosavi. Iranian Journal of Seed Science and Technology 10 (4), 1-18.
50. **Study the relationship between seed size and aging on cardinal temperatures of Canola. 2022.** SA Siadat, SA Moosavi, G Parmoon, S Kiani. Iranian Journal of Seed Science and Technology 10 (4), 119.
51. **Effect of Seed Color and Size on Cardinal Temperatures of Castor Bean (*Ricinus Communis L.*) Seed Germination.** 2022. SA Moosavi, S Siadat, A Koochekzadeh, G Parmoon, S Kiani. Agrotechniques in Industrial Crops 2 (1), 1-10
52. **Quantification of seed germination response of *Echinops* aged seeds under osmotic stress using various nonlinear models and hydrotime function.** 2022. Tayebeh Alsadat Cheraghi Takht Choobi, Seyed Amir Moosavi, Ahmad Zare, Ahmad KoochekZade, Ghasem Parmoon. Iranian Journal of Seed Science and Technology 11 (1). 10.22034/IJSST.2021.354650.1396

53. Evaluation of Changes of Light Use Efficiency and Growth Indices of Rapeseed Cultivars under the Condition of no Irrigation and Increased Levels of Plant Density. 2024. Hana Aboode, AbdolMahdi Bakhshande, Mohammad Reza Moradi Telavat, Seyed Ataollah Siadat, SeyedAmir Moosavi Plant Production. doi: 10.22055/ppd.2023.43064.2086

Conferences

1. **Introducing role of pollen and pollen tube in self-incompatibility and seed formation of plants**, A. Moosavi, R. Tavakkol Afshari, First Iranian students of agronomy and plant breeding conference, Kermanshah, Iran, 2007
2. **Effects of Osmo and Hydropriming treatments in germination characteristics of four cultivars of *Amaranthus cruentus*, *Amaranthus Hypochondriacus* under controlled conditions**, A. Moosavi, R. Tavakkol Afshari, F. Sharif-Zadeh and A. Aynehband, The 9th international seed biology conference, Poland, 2008
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
4. **Seed coat development**, H. Najafi, A. B. Enayati and A. Moosavi, First national conference of seed science and technology, Gorgan, Iran, 2008
5. **Effects of seed priming on germination characteristics of *Agropayron desertrum***, S. Zare, A. B. Enayati and A. Moosavi, First national conference of seed science and technology, Gorgan, Iran, 2008
6. **Comparisons of Peroxidase activity and total seed protein of four Amaranth genotypes**, A. Moosavi, R. Tavakkol Afshari, F. Sharif-Zadeh and A. Aynehband, The 6th National Biotechnology Congress of Iran 13-15 Aug, 2009,
7. **Application of Nanotechnology (in agriculture) for drought resistance**, F. Abbasi, A. Moosavi, M. Zangene and M. Chizari, , 2nd national congress of drought effects and management, May, 2009, Isfahan, Iran
8. **Spectroscopy and its applications in agriculture, biology and environmental researches by using NIR spectroscopy**, A. Moosavi, M. Zanganeh, First national conference on application of new technologies in agricultural and natural resources researches, Rasht, Iran, 2009
9. **Seed priming to increase salt and drought stress tolerance during germination in Amaranth cultivars**, Reza Tavakkol Afshari, Amir Moosavi, Farzad Sharif-Zadeh, Amir ISTA, 2010, Cologne, Germany
10. **Effects of seed priming using CaCl₂ and KNO₃ on corn seed germination under cold stress**, A. Gerami, G. Fathi, A. Moosavi, S. Geravandi, A. Fathi and J. Gangi, The 11th Iranian Agronomy and Plant breeding congress, 2010, Tehran, Iran
11. **Effect of Seed priming on wheat seed germination**, F. Tabatabaei, M. H. Gharineh, G. Fathi, S. A. Siadat and A. Moosavi, the 11th Iranian Agronomy and Plant breeding congress, 2010, Tehran, Iran

12. **Allelopathic effects of different sorghum parts on seed germination of two cultivars of wheat**, S. H. Moosavi, **S. A. Moosavi** and M. R. Rostami, 2th Iranian conference on plant physiology, Yazd, 2011
13. **Effects of some heavy metals on seed germination characteristics of canola (*Barassica napus*)**, Mohammad Hossain Gharineh, Reza Tavakkol Afshari, **Seyed Amir Moosavi**, Massomeh Namarvari, Adel poshtdar, Conference of the international society for seed science, ISSS, Brazil, April, 2011
14. **Investigation of antioxidant changes during hormone and halo seed priming in deteriorated Maize seeds**, Seyed Ata Siadat, **Seyed Amir Moosavi**, Mehran Sharafizadeh, 7th National Biotechnology Congress of I. R. Iran, 12-14 Sep, 2011, Niroo Research Institute, Tehran, Iran
15. **Effect of heavy metals on germination and seedling growth of *Vigna radiata***, **Seyed Amir Moosavi**, Ghodrat alah Fathi, Mohammad Reza Rostami, Mohsen Barzegar and Masoumeh Namarvari, 4th National Pulse Congress of I. R. Iran, 8-9 Feb, 2012 Agriculture and Natural research center, Arak, Iran
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
17. **Effects of Hydro and Halo seed priming on germination characteristics of *Foeniculum Vulgar* seeds**, **Seyed Amir Moosavi**, Seyed Hashem Mousavi, Mohammad Reza Mohammadi, Zohre Amozad-khalili, the 12th Iranian Agronomy and Plant breeding congress, 2012, Karaj, Iran
18. **Effect of organic seedbed incorporated with PGPR bacteria on seedling characteristics of Maize**, Adel Poshtdar, Seyed Ata siadat, Alireza Abdali mashhadi, **Seyed Amir Moosavi**, Hassan Hamdi, the 12th Iranian Agronomy and Plant breeding congress, 2012, Karaj, Iran
19. **Induction of salt stress resistance in *Foeniculum vulgare* by application of hydro and halo seed priming**, **Seyed Amir Moosavi**, Mohammad Reza Mohammadi, Zohre Amozad Khalili, 2nd National congress on medical plants, Tehran, Iran, 2013 (P: 492)
20. **The influence of fennel harvest time on omega-3 and omega-6 contents in shoots, leaves, stems and inflorescences under Ahwaz climatic condition**, Hamid Reza Khoddami, Ali Reza Abdali, Mohammad Hosein Gharineh, **Amir Mosavi**, Mahmoud Rafieian-kopaei, Mona Karbakivand, 2nd National congress on medical plants, Tehran, Iran, 2013 (P: 862)

21. **Comparison between energy indices in irrigated and dryland barley production systems in Khuzestan and Fars provinces**, Majid AghaAliKhani, Hamed Akbari, **Seyed Amir Moosavi** and Ghasem Jami, 2014. 3rd Conference on emerging trends in energy conservation. Tehran, Iran. (Oral Presentation).
22. **Effect of Hydropriming and Osmoprimering on germination parameters of cumin (*Cuminum cyminum* L.) seeds under salt stress**. Moosavi, S.A. A. Movafeghm M. Bakhit, Y. Sabouri and N. Safara, 2014, 3rd Iranian Seed Science and Technology Conference, Karaj-Iran. (Oral Presentation).
23. **Effect of different densities of Garlic (*Allium sativum* L.) in intercropping with medical plant Pot marigold (*Calendula officinalis* L.) on yield and yield components of Garlic**. F. Khosravian Chacham Piri, A. Abdali Mashhadi, S.A. Siadat, **A. Moosavi** and S.Baghaei, 2014. 1th International and 13th Iranian Crop Science Congress, Karaj-Iran.
24. **Seed germination parameters of purslane under different salinity conditions**, Seyed Amir Moosavi, Zahra Zadian, Vafa Torfi and Nasrin Eisa najad, 2015. 4th
25. **Challenges towards mechanization of Okra farms**, **Seyed Amir Moosavi**, Majid Aghalikhani, Barat Ghobadian, 2016. Engineering and Applied Sciences. Accepted as Poster.
26. **Study the Potential Application of Okra Seed Oil in Herbal Medicine and Makeup Products**, **Seyed Amir Moosavi**, Majid Aghalikhani, Barat Ghobadian, 2016. 4th National Congress on Medical Plants. Accepted as Poster.
27. **Biodiesel properties from okra seed oil using ultra-sonic trans-esterification**, 2017. Seyed Amir Moosavi, Majid Aghaalkhani, Barat Ghobadian. The III Energy & Materials Research Conference, Lisbon.
28. **Study the photoblastic response of Milk thistle seed germination**, 2018. Adel Poshtdar, Seyed Amir Moosavi, Seyed Ata Siadat. The 4th National conference of Seed Science and Technology of Iran. Karaj. (Winner of best poster paper).
29. **Effect of nano chelate Iron on seed germination properties of Echinacea (*Echinacea purpurea* L.)**, 2018. Farshid Usefi, Abdoul Reza Siahpoosh, Abdoul Mahdi Bakhshande, Seyed Amir Moosavi and Ghasem Parmoon, The 4th National conference of Seed Science and Technology of Iran. Karaj.
30. **Effect of Concentration and Time of Humic acid Treatment on lentil Germination Indices**, 2018. Sabriyeh Seimarizadeh, Ali Moshatati, Seyed Amir Moosavi, Ghasem Parmoon, The 4th National conference of Seed Science and Technology of Iran. Karaj.

31. **Measurement of seed quality using robot technology**, 2018. Seyed Amir Moosavi, Majid Aghaalikhani, Barat Ghobadian and René Gislum, The 4th National conference of Seed Science and Technology of Iran. Karaj.(Oral Presentation).
32. **Effect of Pretreatment of Iron Nanomaterials on the Characteristics of Husky spp.**, 2018. Bijan Shadkam, Mohammad Hossain Gharineh, Amin Lotfi Jalalabadi, Seyed Amir Moosavi, The 7th National Congress on Medicinal Plants. Shiraz.(Poster Presentation)
33. **Study the effects of ultrasonic waves on seed germination of Milk thistle**, Seyed Amir Moosavi, Seyed Ataollah Siadat, Adel Poshtdar, Fatemeh Direkvand Moghadam, (2018), 3rd International and 15th National Iranian Crop Science Congress,
34. **Quantification of Sesame seed germination to various levels of Salinity Stress**, 2019. Seyed Amir Moosavi, Seyed Ataollah Siadat, Ghasem Parmoon, Adel Poshtdar, First national congress of Iranian Agricultural and Environmental Science, Feb, 2019.
35. **Effects of Ultrasonic Assisted Seed Priming on Seed Germination characteristics of Dill**, 2019. Masumeh Shahbazi, Mohammad Hossain Gharineh, Seyed Amir Mooasvi. First national congress of Iranian Agricultural and Environmental Science, Feb, 2019.
36. **Quantifying the effect of light on optimum germination temperature in *Echinacea purpurea* L. using nonlinear models**. 2020. Seyed Amir Moosavi, AbdolReza Siahpoush, Farshid Usefi, Ghasem Pamoon, 16th National Iranian Crop Science Congress.
37. **Effects of temperature and photoperiod on seed germination of Cownflower (*Echinacea purpurea* L.) under drought stress**, 2020. Seyed Amir Moosavi, Siahpoush Abdolreza, Farshid Usefi, Ghasem Parmoon. 16th National Iranian Crop Science Congress
38. **Effect of hormone and Halo seed priming on Carrot seed germination**, 2020. Nastaran Esvand Rajabi, Seyed Amir Moosavi. 16th National Iranian Crop Science Congress
39. **Effect of accelerated aging on seed germination properties and catalase activity of Canola and Wild mustard**, 2020. Miad HajiMahmoodi, AbdoulMahdi Bakhshande, Seyed Amir Moosavi, SeyedAtaollah Siadat. 16th National Iranian Crop Science Congress.

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:

- Invited lecturer for PhD course entitled of “Modeling Crop Growth and Development” in Shahid Chamran University of Ahwaz. Since 2018.
- 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 2023
- 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:

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