

Curriculum vitae
of
Dr. Majid Abdoli

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Qualification:

1. **B.Sc** in Agricultural Engineering (Department of Agronomy and Plant Breeding) from Zanjan University, Zanjan (Faculty of Agriculture) with final grade Very Good in 2009.01.31. Project title: **Biological control of weeds** under the supervision of Dr. Mehdi Rastgoo.
2. **M.Sc** in Agronomy (Department of Agronomy and Plant Breeding) from Razi University, Kermanshah (Campus of Agriculture and Natural Resources) with average of 17.54 in 2012.09.17. Seminar title: **Effect of water deficit stress and foliar of indole acetic acid in different stages of grain growth on yield, its components and germination characteristics of bread wheat cultivars** under the supervision of Dr. Mohsen Saeidi. Thesis title: **The role of current and storage sources in grain growth stage on yield formation of different bread wheat cultivars of Kermanshah province** under the supervision of Dr. Mohsen Saeidi and Dr. Saeid Jalali-Honarmand, and advice of Dr. Sirius Mansurifar and Dr. Mohammad-Eghbal Ghobadi.
3. **Ph.D** in Crop Physiology (Department of Agronomy and Plant Breeding) from Maragheh University, Maragheh (Faculty of Agriculture) with average of 19.52 in 2017.05.02. Thesis title: **The evaluation of approaches to improvement the grain quantitative and qualitative of wheat by using zinc in calcareous soils** under the supervision of Dr. Ezatollah Esfandiari, and advice of Dr. Seyed-Bahman Mousavi and Dr. Behzad Sadeghzadeh.

National & International Conference and Congress Articles

a) Conference and Congress Articles (Persian):

1. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2011. **Effect of water deficit stress after anthesis on yield and its related physiological characteristics in different bread wheat cultivars of Kermanshah province**. The Second Annual Scientific Conference of Razi University, 11-14 Dec. 2011, Razi University, Kermanshah, pp: 147-150.
2. **Majid Abdoli**, Morad Shaban, Hadi Hashemzade and Sirous Mansurifar. 2012. **Study of morphology and phenology traits of varieties chickpea (*Cicer arietinum* L.) under drought stress and utilize of starter nitrogen fertilizer**. The 4th Iranian Pulse Crops Symposium, 8-9 Feb. 2012, Agricultural and Natural Resources Research Center of Markazi Province, Arak. 1-5 p.
3. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2012. **Remobilization of carbohydrates from bread wheat stem in response to drought stress during grain filling**. 1st National Conference on Agriculture in Hard Environmental Condition, 9 May. 2012, Islamic Azad University, Ramhormoz Branch, Ahvaz. 1-7 p.
4. Morad Shaban, Mohsen Lak, **Majid Abdoli** and Forouzan Khodaei. 2012. **Effect of drought stress and nitrogen fertilizer on root length, total length of root, root to stem ratio and nodule number of chickpea cultivars**. 1st National Conference on

- Agriculture in Hard Environmental Condition, 9 May. 2012, Islamic Azad University, Ramhormoz Branch, Ahvaz. 1-5 p.
5. Mohsen Saeidi, **Majid Abdoli**, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2012. **Effect of source and sink limitations on grain yield of improved bread wheat cultivars under post anthesis water deficiency in the west of Iran.** 12th Iranian Crop Sciences Congress, 4-6 Sep. 2012, Islamic Azad University, Karaj Branch, Karaj. 1-5 p.
 6. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2012. **Evaluation of post anthesis drought stress tolerance in common wheat cultivars in west of Iran.** 12th Iranian Crop Sciences Congress, 4-6 Sep. 2012, Islamic Azad University, Karaj Branch, Karaj. 1-5 p.
 7. **Majid Abdoli** and Mohsen Saeidi. 2012. **Effect of water deficit stress after anthesis on yield and physiological characteristics of bread wheat cultivars.** The 17th National & 5th International Iranian Biology Conference, 4-6 Sep. 2012, Shahid Bahonar University, Kerman. 1-7 p.
 8. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2012. **The reaction of photosynthesis rate and some related physiological characteristics in different of wheat cultivars to drought stress and photosynthetic resource constraints.** The 17th National & 5th International Iranian Biology Conference, 4-6 Sep. 2012, Shahid Bahonar University, Kerman. 1-5 p.
 9. **Majid Abdoli** and Mohsen Saeidi. 2012. **Investigating the effects of moisture stress and foliar of indole acetic acid on mother plant, on vigor and germination characteristics of bread wheat cultivars.** The 17th National & 5th International Iranian Biology Conference, 4-6 Sep. 2012, Shahid Bahonar University, Kerman. 1-6 p.
 10. Mohsen Saeidi and **Majid Abdoli**. 2012. **The role of spike photosynthesis and the effect of foliar of indole acetic acid on yield and its components in two wheat cultivars during post-anthesis drought stress.** The 17th National & 5th International Iranian Biology Conference, 4-6 Sep. 2012, Shahid Bahonar University, Kerman. 1-6 p.
 11. **Majid Abdoli** and Mohsen Saeidi. 2012. **Investigating the effects of water deficit stress on mother plant, on vigor and germination characteristics of wheat cultivars.** The Third Annual Scientific Conference of Razi University, 9-12 Dec. 2012, Razi University, Kermanshah, 1-4 p.
 12. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansurifar and Mohammad-Eghbal Ghobadi. 2013. **The role of current photosynthesis and water deficit at post-anthesis on grain yield and its components in bread wheat cultivars.** 1st National Conference on Modern Biological Sciences and Technologies, 24 Jan. 2013, Malayer University, Hamadan. 1-7 p.
 13. **Majid Abdoli**, Ezatollah Esfandiari, Behzad Sadeghzadeh and Seyed Bahman Mousavi. 2014. **Effects of different methods of ZnSO₄ application on seedlings growth characteristics of wheat (*Triticum aestivum* and *T. durum*) in a calcareous**

- soil.** 1st International and 13th Iranian Crop Science Congress & 3rd Iranian Seed Science and Technology Conference, 26-28 Aug. 2014, Seed and Plant Improvement Institute, Karaj. 1-5 p.
14. **Majid Abdoli**, Ezatollah Esfandiari, Behzad Sadeghzadeh and Seyed Bahman Mousavi. 2014. **Effects of seed zinc concentration on responses of wheat seedling in a calcareous soil.** 1st International and 13th Iranian Crop Science Congress & 3rd Iranian Seed Science and Technology Conference, 26-28 Aug. 2014, Seed and Plant Improvement Institute, Karaj. 1-5 p.
 15. **Majid Abdoli**, Ezatollah Esfandiari, Seyed Bahman Mousavi and Behzad Sadeghzadeh. 2015. **Effect of different methods of zinc sulfate application on yield and zinc content on grain.** 4th Iranian Congress of Trace Elements, 20-22 May. 2015, Hamedan University of Medical Sciences, Hamedan.
 16. **Majid Abdoli**, Ezatollah Esfandiari, Behzad Sadeghzadeh, Seyed-Bahman Mousavi, Fatemeh Hashemi and Simin Sabzchy. 2016. **Evaluation of diversity of durum wheat genotypes in terms of zinc absorption efficiency and accumulation of zinc in calcareous soil.** 2nd International & 14th National Iranian Crop Science Congress, 30 Aug - 1 Sep. 2016, University of Guilan, Rasht. 1-6 p.
 17. **Majid Abdoli** and Ezatollah Esfandiari. 2016. **The effect of use of zinc sulfate on improvement of quality of wheat grain in calcareous soil.** 2nd International & 14th National Iranian Crop Science Congress, 30 Aug - 1 Sep. 2016, University of Guilan, Rasht. 1-6 p.
 18. **Majid Abdoli** and Ezatollah Esfandiari. 2016. **Improving food security through bio-fortification of strategic agricultural products an approach to national security and economic progress at the macro level of the country.** 10th National Congress of the Pioneers of Progress. 8 Dec. 2016, Center for Islamic Model of Iran Progress, Shahid Beheshti University International Conference Center, Tehran. pp: 3471-3478.
 19. **Majid Abdoli** and Ezatollah Esfandiari. 2016. **Ability to improve the content of micronutrient elements of wheat grain using fertilizer containing zinc element in alkaline soil.** 5th Iranian Congress of Trace Elements, 20-22 Dec. 2016, Tarbiat Modares University, Tehran.
 20. Ezatollah Esfandiari and **Majid Abdoli**. 2016. **Evaluation of changes in zinc concentration and amount of phytic acid in durum wheat grain due to zinc sulfate application in calcareous soils.** 5th Iranian Congress of Trace Elements, 20-22 Dec. 2016, Tarbiat Modares University, Tehran.
 21. Ezatollah Esfandiari and **Majid Abdoli**. 2017. **Biofortification of cereals is a strategy to combat malnutrition and improve national food and nutrition security.** 11th National Congress of the Pioneers of Progress. 14 Dec. 2017, Center for Islamic Model of Iran Progress, Shahid Beheshti University International Conference Center, Tehran. pp: 3391-3400.

b) Conference and Congress Articles (English):

1. Armin Habibi, Abdollah Javanmard, **Majid Abdoli**, Adel Javadi and Morteza Hosseinzadeh. 2013. **Effect of seed priming by salicylic acid on germination improvement and seedling growth parameters in garden cress (*Lepidium sativum*) under saline conditions.** 2nd National Congress on Medicinal Plants, 15-16 May 2013, Tehran, Iran.
2. **Majid Abdoli**, Mohsen Saeidi and Fariba Ezzati. 2013. **Effect of different seed priming methods on seed vigor and some seedling characteristics of Fennel (*Foeniculum vulgare* L.).** The Second International Conference on Agriculture and Natural Resources. December 25-26, Razi University, Kermanshah, Iran.
3. **Majid Abdoli** and Ezatollah Esfandiari. 2016. **Improving the quality of wheat grain protein and amino acids contents by zinc biofortification.** 2nd International & 14th Iranian Nutrition Congress. 4-7 September 2016, Tehran University of Medical Sciences (TUMS), Tehran, Iran. (Publication of Journal of Nutritional Sciences and Dietetics (JNSD), Vol 2, No 3, Summer 2016, p 332, Special Issue – Abstract Book)
4. **Majid Abdoli**, Ezatollah Esfandiari, Seyed-Bahman Mousavi and Behzad Sadeghzadeh. 2016. **Biofortification of wheat a strategy to alleviate micronutrient malnutrition.** 2nd International & 14th Iranian Nutrition Congress. 4-7 September 2016, Tehran University of Medical Sciences (TUMS), Tehran, Iran. (Publication of Journal of Nutritional Sciences and Dietetics (JNSD), Vol 2, No 3, Summer 2016, p 332, Special Issue – Abstract Book)

Journal Articles

a) Journal Articles (Persian):

1. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Siroos Mansourifar and Mohammad Eghbal-Ghobadi. 2013. **Evaluation of some physiological and biochemical traits and their relationships with yield and its components in some improved wheat cultivars under post-anthesis water deficit.** Environmental Stresses in Crop Sciences. 6(1): 47-63. DOI: <https://doi.org/10.22077/escs.2013.137>
2. **Majid Abdoli**, Ezatollah Esfandiari and Simin Sabzchy. 2014. **The production of strong wheat seedlings from zinc enriched seeds.** Student Scientific Journal of Rouiesh. 2: 9-11.
3. **Majid Abdoli** and Ezatollah Esfandiari. 2014. **Effect of zinc foliar application on the quantitative and qualitative yield and seedlings growth characteristics of bread wheat (cv. Kohdasht).** Iranian Journal of Dryland Agriculture. 3(1): 77-90. DOI: <https://doi.org/10.22092/idaj.2014.100557>
4. Shiva Ardalani, Mohsen Saeidi, Saeid Jalali-Honarmand, Mohammad Eghbal-Ghobadi and **Majid Abdoli**. 2014. **The physiological responses and antioxidant enzyme activity in bread wheat genotypes under post anthesis drought tension.** Crop Physiology Journal. 21: 45-59.
5. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Siroos Mansourifar and Mohammad Eghbal Ghobadi. 2015. **Evaluating the effect of water deficit and**

- source limitation on grain yield and remobilization of dry matter at post anthesis in bread wheat cultivars.** *Environmental Stresses in Crop Sciences*. 7(2): 137-154. DOI: <https://doi.org/10.22077/escs.2015.162>
6. Mohsen Saeidi, **Majid Abdoli**, Mandana Azhand and Saeid Jalali-Honarmand. 2015. **The effect of water deficiency stress and foliar application of indole acetic acid at different stages of grain growth on grain yield and germination traits of produced seeds in bread wheat cultivars.** *Iranian Journal of Seed Science and Technology*. 3(2): 173-187.
 7. **Majid Abdoli** and Mohsen Saeidi. 2015. **The role of spike photosynthesis and foliar application of IAA on grain yield and its components of two wheat cultivars in late season drought stress.** *Journal of Crop Ecophysiology*. 9(1): 123-138.
 8. Shiva Ardalani, Mohsen Saeidi, Saeid Jalali-Honarmand, Mohammad Eghbal Ghobadi and **Majid Abdoli**. 2015. **Evaluation of grain yield and its relationship with remobilization of dry matter in bread wheat cultivars under water deficit stress at the post anthesis.** *Iranian Journal of Dryland Agriculture*. 3(2): 173-196. DOI: <https://doi.org/10.22092/idaj.2015.101297>
 9. Shiva Ardalani, Mohsen Saeidi, Saeid Jalali Honarmand, Mohhammad Eghbal Ghobadi and **Majid Abdoli**. 2015. **Effect of post anthesis drought stress on some agronomic and physiological traits related to source strength in four bread wheat genotypes.** *Cereal Research*. 5(1): 45-65.
 10. **Majid Abdoli**, Ezatollah Esfandiari and Fariba Ezzati. 2015. **Effect of salinity stress on capability of germination and seedling growth characteristics of two species forage plant.** *Journal of Seed Research*. 5(2): 69-80.
 11. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirous Mansourifar and Mohammad Eghbal Ghobad. 2016. **Effects of photosynthetic source limitation and post-anthesis water deficiency on grain filling rate, photosynthesis and gas exchange in bread wheat cultivars.** *Environmental Stresses in Crop Sciences*. 8(2): 131-147. DOI: <https://doi.org/10.22077/escs.2016.210>
 12. **Majid Abdoli**, Ezatollah Esfandiari, Seyed-Bahman Mousavi, Behzad Sadeghzadeh and Mohsen Saeidi. 2016. **The effect of seed zinc internal content and foliar application of zinc sulfate on yield and storage compositions of wheat grain.** *Crop Physiology Journal*. 28: 91-106.
 13. Mandana Azhand, Saeid Jalali-Honarmand, Mohsen Saeidi, Mokhtar Ghobadi, Kianoush Chaghamirza and **Majid Abdoli**. 2016. **Evaluation of storage capacity and stem reserves contribution to grain yield of bread wheat affected by terminal drought stress.** *Journal of Plant Ecophysiology*. 23: 1-16.
 14. Mohsen Saeidi, **Majid Abdoli**, Mehdi Shafiei-Abnavi, Mahrokh Mohammadi and Zahra Eskandari-Ghaleh. 2016. **Evaluation of genetic diversity of bread and durum wheat genotypes based on agronomy traits and some morphological traits in non-stress and terminal drought stress conditions.** *Cereal Research*. 5(4): 353-369.

15. Mohsen Saeidi, Mahrokh Mohammadi, Mehdi Shafiei-Abnavi, Zahra Eskandari-Ghaleh and **Majid Abdoli**. 2016. **Effect of drought tension after flowering on storage capacity and the contribution of stem reserves in grain yield of wheat genotypes**. Crop Physiology Journal. 30: 69-86.
16. **Majid Abdoli**, Ezatollah Esfandiari and Simin Sabzchy. 2017. **Effect of seed zinc content on growth characteristics and early vigor of bread wheat seedling**. Journal of Seed Research. 6(4): 80-89.
17. **Majid Abdoli** and Mohsen Saeidi. 2017. **Effects of drought stress and limitation of sources photosynthesis upon mother plants on germination characters and seed vigor of wheat (cv. Zarin)**. Journal of Seed Research. 7(2): 72-82.
18. Ezatollah Esfandiari and **Majid Abdoli**. 2017. **Improvement of agronomic and qualitative characters of durum wheat (*Triticum turgidum* L. var. durum) genotypes by application of zinc sulfate under zinc deficiency stress**. Journal of Crop Ecophysiology. 11(3): 619-636.
19. Behnoush Rasaei, Saeid Jalali-Honarmand, Ali Rasaei and **Majid Abdoli**. 2017. **Effect of seed pre-treatment with water and ultraviolet radiation on some growth and physiological characteristics of pea (*Pisum sativum* L.)**. Journal of Seed Research. 7(3): 49-60.
20. **Abdoli, M.**, Rasaei, B. 2018. **The effects of hydro-priming and osmo-priming using nitrate salts on germination indices of soybean seedling (*Glycine max* L.)**. Journal of Seed Research. 7(4): 11-22.

b) Journal Articles (English; ISC & ISI):

1. Mohsen Saeidi, Parvin Eliasi, **Majid Abdoli** and Shahriar Sasani. 2012. **Freezing tolerance of wheat cultivars at the early growing season after winter**. African Journal of Biotechnology. 11(17): 4045-4052. DOI: <https://doi.org/10.5897/AJB11.3266>
2. **Majid Abdoli** and Mohsen Saeidi. 2012. **Using different indices for selection of resistant wheat cultivars to post anthesis water deficit in the west of Iran**. Annals of Biological Research. 3(3): 1322-1333.
3. **Majid Abdoli** and Mohsen Saeidi. 2012. **Effects of water deficiency stress during seed growth on yield and its components, germination and seedling growth parameters of some wheat cultivars**. International Journal of Agriculture and Crop Sciences. 4(15): 1110-1118.
4. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirus Mansourifar and Mohammad-Eghbal Ghobadi. 2013. **Effect of source restriction and drought stress during grain growth on grain yield and its components of winter bread wheat cultivars**. International journal of Agronomy and Plant Production. 4(5): 1048-1059.
5. **Majid Abdoli** and Mohsen Saeidi. 2013. **Evaluation of water deficiency at the post anthesis and source limitation during grain filling on grain yield, yield formation, some morphological and phonological traits and gas exchange of bread wheat cultivar**. Albanian Journal of Agricultural Sciences. 12(2): 255-265.

6. Armin Habibi and **Majid Abdoli**. 2013. **Influence of salicylic acid pre-treatment on germination, vigor and growth parameters of garden cress (*Lepidium sativum*) seedlings under water potential loss at salinity stress.** International Research Journal of Applied and Basic Sciences. 4(6): 1393-1399.
7. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand and Mandana Azhand. 2013. **The effect of foliar application of Indole-3-Acetic Acid (IAA) and roles of ear photosynthesis on grain yield production of two wheat cultivars (*Triticum aestivum* L.) under post anthesis water deficit.** International Research Journal of Applied and Basic Sciences. 4(6): 1406-1413.
8. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Hamid Kazemi-Gavar, Amir Heidari and Hadi Hashemzade. 2013. **The role of current photosynthesis on grain yield formation, some agronomic characteristics and germination traits in two bread wheat cultivars under terminal drought stress condition.** International Journal of Agriculture and Crop Sciences. 5(14): 1585-1594.
9. Mohsen Saeidi, **Majid Abdoli** and Saeid Jalali-Honarmand. 2013. **Evaluation of water deficiency at the post-anthesis stage on grain yield formation, dry matter accumulation and some morphological traits in three bread wheat cultivars.** Advances in Environmental Biology. 7(6): 1117-1122.
10. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansourifar and Mohammad-Eghbal Ghobadi. 2013. **Effect of post-anthesis water deficiency on storage capacity and contribution of stem reserves to the growing grains of wheat cultivars.** Plant Knowledge Journal. 2(3): 99-107.
11. **Majid Abdoli**, Mohsen Saeidi, Mandana Azhand, Saeid Jalali-Honarmand, Ezatollah Esfandiari and Fariborz Shekari. 2013. **The effects of different levels of salinity and Indole-3-Acetic Acid (IAA) on early growth and germination of wheat seedling.** Journal of Stress Physiology & Biochemistry. 9(4): 329-338.
12. **Majid Abdoli**, Mohsen Saeidi, Saeid Jalali-Honarmand, Sirius Mansourifar, Mohammad-Eghbal Ghobadi and Kianoush Cheghamirza. 2013. **Effect of source and sink limitation on yield and some agronomic characteristics in modern bread wheat cultivars under post anthesis water deficiency.** Acta Agriculturae Slovenica. 101(2): 173-182. DOI: <https://doi.org/10.2478/acas-2013-0013>
13. Mohsen Saeidi, **Majid Abdoli**, Mandana Azhand and Maryam Khas-Amiri. 2013. **Evaluation of drought resistance of barley (*Hordeum vulgare* L.) cultivars using agronomic characteristics and drought tolerance indices.** Albanian Journal of Agricultural Sciences. 12(4): 545-554.
14. **Majid Abdoli**. 2014. **Effect of seed priming on seed dormancy, vigor and seedling characteristics of fennel (*Foeniculum vulgare* L.).** Acta Advances in Agricultural Sciences. 2(8): 88-24.
15. Mohsen Saeidi, **Majid Abdoli** and Mandana Azhand. 2014. **Effect of foliar application of indole-3-acetic acid (IAA) at the beginning of grain growth (cell division) stage on agronomic characteristics and seedling growth parameters of two bread wheat under water and salinity stresses.** International Journal of Biosciences. 5(9): 244-255. DOI: <https://doi.org/10.12692/ijb/5.9.244-255>

16. **Majid Abdoli**, Ezatollah Esfandiari, Seyed-Bahman Mousavi and Behzad Sadeghzadeh. 2014. **Effects of foliar application of zinc sulfate at different phenological stages on yield formation and grain zinc content of bread wheat (cv. Kohdasht)**. Azarian Journal of Agriculture. 1(1): 11-17.
17. Mandana Azhand, Mohsen Saeidi and **Majid Abdoli**. 2015. **Evaluation of the relationship between gas exchange variables with grain yield in barley genotypes under terminal drought stress**. International Journal of Biosciences. 6(2): 366-374. DOI: <https://doi.org/10.12692/ijb/6.2.366-374>
18. Mandana Azhand, Mohsen Saeidi, **Majid Abdoli** and Maryam Khas-Amiri. 2015. **The impact of source limitations on yield formation, storage capacity and contribution of stem reserves to the growing grains of modern barley cultivars under post-anthesis water deficiency**. Plant Knowledge Journal. 4(1): 13-24.
19. Mohsen Saeidi and **Majid Abdoli**. 2015. **Effect of drought stress during grain filling on yield and its components, gas exchange variables, and some physiological traits of wheat cultivars**. Journal of Agricultural Science and Technology. 17(4): 885-898.
20. Mohsen Saeidi, Shiva Ardalani, Saeid Jalali-Honarmand, Mohammad-Eghbal Ghobadi and **Majid Abdoli**. 2015. **Evaluation of drought stress at vegetative growth stage on the grain yield formation and some physiological traits as well as fluorescence parameters of different bread wheat cultivars**. Acta Biologica Szegediensis. 59(1): 35-44.
21. Ezatollah Esfandiari, **Majid Abdoli** and Mehdi Rahmati. 2015. **Evaluation of iodate toxicity (KIO₃) on growth, morpho-physiological characteristics and mineral nutrients concentrations of potato (*Solanum tuberosum* L. cv. Agria)**. Azarian Journal of Agriculture. 2(4): 99-107.
22. Cyrus Mansouri-Far, Maryam Goodarzian-Ghahfarokhi, Mohsen Saeidi and **Majid Abdoli**. 2015. **Antioxidant enzyme activity and germination characteristics of different maize hybrid seeds during ageing**. Environmental and Experimental Biology. 13(4): 177-182.
23. **Majid Abdoli**, Ezatollah Esfandiari, Behzad Sadeghzadeh and Seyed-Bahman Mousavi. 2016. **Zinc Application Methods Affect Agronomy Traits and Grain Micronutrients in Bread and Durum Wheat under Zinc-Deficient Calcareous Soil**. Yuzuncu Yil University Journal of Agricultural Sciences. 26(2): 202-214.
24. Ezatollah Esfandiari, **Majid Abdoli**, Seyed-Bahman Mousavi and Behzad Sadeghzadeh. 2016. **Impact of foliar zinc application on agronomic traits and grain quality parameters of wheat grown in zinc deficient soil**. Indian Journal of Plant Physiology. 21(3): 263-270. DOI: <https://doi.org/10.1007/s40502-016-0225-4>
25. Maryam Goodarzian-Ghahfarokhi, Cyrus Mansouri-Far, Mohsen Saeidi and **Majid Abdoli**. 2016. **Different physiological and biochemical responses in maize hybrids subjected to drought stress at vegetative and reproductive stages**. Acta Biologica Szegediensis. 60(1): 27-37.
26. Shiva Ardalani, Mohsen Saeidi and **Majid Abdoli**. 2016. **Agronomic traits, photosynthesis and gas exchange variables of wheat genotypes in response to**

- water deficit during vegetative growth period.** Environmental and Experimental Biology. 14(4): 157-162. DOI: <https://doi.org/10.22364/eeb.14.22>
27. Mohsen Saeidi, Foad Moradi, and **Majid Abdoli**. 2017. **Impact of drought stress on yield, photosynthesis rate, and sugar alcohols contents in wheat after anthesis in semiarid region of Iran.** Arid Land Research and Management. 31(2): 204-218. DOI: <https://doi.org/10.1080/15324982.2016.1260073>
 28. Ezatollah Esfandiari and **Majid Abdoli**. 2016. **Wheat biofortification through zinc foliar application and its effects on wheat quantitative and qualitative yields under zinc deficient stress.** Yuzuncu Yil University Journal of Agricultural Sciences. 26(4): 529-537. DOI: <https://doi.org/10.29133/yyutbd.282759>
 29. Maryam Goodarzian-Ghahfarokhi, Cyrus Mansouri-Far, Mohsen Saeidi, **Majid Abdoli** and Mohammad Esmailpour-Jahromi. 2016. **Agronomic and photosynthetic characteristics of different maize hybrids in response to water deficit stress at different phenological stages.** Journal of Plant Physiology and Breeding. 6(1): 23-34.
 30. **Majid Abdoli** and Ezatollah Esfandiari. 2017. **Effect of seed zinc content on vigor and seedling growth parameters of wheat grown in different levels of salinity.** International Journal of Advanced Life Sciences. 10(2): 263-271. DOI: <https://doi.org/10.26627/IJALS/2017/10.02.0016>
 31. **Majid Abdoli** and Ezatollah Esfandiari. 2017. **Assessment of genetic variation and zinc deficient tolerance in spring durum wheat (*Triticum durum* Desf.) genotypes in calcareous soil with zinc deficiency.** Journal of Genetic Resources. 3(1): 7-17. DOI: <https://doi.org/10.22080/jgr.2017.13099.1070>
 32. Mohsen Saeidi, Shiva Ardalani, Saeid Jalali-Honarmand, Mohammad-Eghbal Ghobadi and **Majid Abdoli**. 2018. **Antioxidant enzyme responses and crop yield of wheat under drought stress and re-watering at vegetative growth period.** Iranian Journal of Plant Physiology. 8(1): 2257-2267. DOI: <https://doi.org/10.22034/ijpp.2018.558259.1040>
 33. Ezatollah Esfandiari and **Majid Abdoli**. 2017. **Variations of grain yield and agro-morphological traits of some promising durum wheat lines (*Triticum turgidum* L. var. *durum*) at zinc sufficient and deficient conditions.** Journal of Genetic Resources. 3(2): 68-79. DOI: <https://doi.org/10.22080/jgr.2018.13329.1077>
 34. Ezatollah Esfandiari, **Majid Abdoli**, and Rana Taheri. 2017. **Evaluation morphological characteristics and mineral nutrients content of bread wheat (*Triticum aestivum* L.) affected soil application of nitrogen and iron fertilizers.** Journal of Crop Nutrition Science. 3(3): 14-25.
 35. Ezatollah Esfandiari, **Majid Abdoli**, Behzad Sadeghzadeh, Seyed-Bahman Mousavi. 2018. **Evaluation of Turkish durum wheat (*Triticum turgidum* var. *durum*) genotypes based on quantitative traits and shoot zinc accumulation under zinc-deficient calcareous soil.** Iranian Journal of Plant Physiology. 8(4): 2525-2537. DOI: <https://doi.org/10.22034/ijpp.2018.543415>
 36. Behnoush Rasaei, Saeid Jalali-Honarmand, Ali Rasaei and **Majid Abdoli**. 2018. **Impacts of seed priming with different UV rays on morphological and physio-**

biochemical traits of pea (*Pisum sativum* L.) under UV-stress condition. Journal of Plant Physiology and Breeding. 8(1): Accepted for publication

Projects:

1. Project title: **Investigating the relationship between remobilization of stem soluble sugar in different wheat genotypes with high yield and drought resistance under post-anthesis water stress condition in Kermanshah region.** Razi University, Code 998, Mohsen Saeidi and **Majid Abdoli**, Autumn of 2012.
2. Project title: **The role of current sources and storage of assimilates under water deficit stress condition after anthesis in the formation of grain yield of different barley cultivars.** Razi University, Code 995, Mohsen Saeidi, Mandana Azhand, Maryam Khas-Amiri and **Majid Abdoli**, Spring of 2013.
3. Project title: **Biofortification of wheat with iron and zinc.** Ministry of Science, Research and Technology (MSRT) of Iran, Code 92.D.7669, Ezatollah Esfandiari and **Majid Abdoli**, from 2014 to 2017.
4. Project title: **Preparation of phenological-morphological flowchart of corn (*Zea mays* L.) in Varamin area and determining the appropriate planting date for this region.** Business Group - ETKA Organization Research and Innovation Center, Code 8271, **Majid Abdoli**, Hassan Farahani, Mehdi Shahpari and Morteza Shalalvand, from 2015 to 2018.

Books:

Majid Abdoli and Ezatollah Esfandiari. 2017. **Maize and its technical guidelines of cultivation.** Research and Innovation Center of ETKA Organization Publication. First Edition. 254 p. ISBN: 978-600-8910-05-3.

Mastering Applied Software:

Word,
Excel,
PowerPoint,
Photoshop,
SPSS,
SAS,
MSTATC,
EndNote

Mastering Laboratory Devices:

Elisa,
Spectrophotometer,
Centrifuge,
Atomic absorption spectrophotometer (AAS),
Plant photosynthesis meter (PPM),

SPAD
Clemenger

Academic Awards:

1. The **third** rank among the students of 2010 year in the field of Agronomy, M.Sc degree, Razi University of Kermanshah with an average of 17.54.
2. The **first** rank among the students of 2012 year in the field of Agronomy (Crop Physiology), Ph.D. degree, University of Maragheh with an average of 19.52.
3. **Student of Scientific Selection** of University of Maragheh in the field of Agronomy (Crop Physiology), Ph.D. degree in the academic year of 2013-14.
4. **Cultural Activist** (appreciated) at the University of Maragheh in the academic year of 2013-14.
5. **Sample Researcher** of Young Researchers and Elite Club, Zanjan Branch, Islamic Azad University, Zanjan, Iran in the year of 2014.
6. **Superior Researcher Student** of Agricultural College at University of Maragheh in the year of 2015.
7. **Student with the highest scientific and educational rating** in Ph.D. degree (Agronomy - Crop Physiology) at University of Maragheh in the year of 2015.
8. **Selected of Iran's National Elites Foundation (INEF)** to receive academic award in the academic year of 2015-16.
9. **Top student in Ph.D. degree** at the University of Maragheh in 24th Outstanding Student Award in the academic year of 2015-16.
10. **Student of Scientific Selection** of University of Maragheh in the field of Agronomy (Crop Physiology), Ph.D. degree in the academic year of 2015-16.
11. **Cultural Activist** (selected) at the University of Maragheh in the academic year of 2015-16.
12. The **first** rank among the members of Young Researchers and Elite Club, Zanjan Branch, Islamic Azad University, Zanjan, Iran in the academic year of 2015-16.
13. **Selected of Iran's National Elites Foundation (INEF)** to receive academic award in the academic year of 2016-17.
14. **Top student in Ph.D. degree** at the University of Maragheh in 25th Outstanding Student Award in the academic year of 2016-17.
15. **Top student in Ph.D. degree** at the University of Maragheh in 26th Outstanding Student Award in the academic year of 2017-18.
16. **National sample student** in the year of 2017 in 26th Outstanding Student Award (Department of Agriculture and Animal Husbandry, Agriculture - Agronomy and Plant Breeding, Ph.D. degree, University of Maragheh)

Honors at the Festivals:

1. The 1st Festival of Student Journals in the 2nd District of the Northwest of the Country, **Gaining first rank in the Quranic Nour magazine in the design and cartoon section (Editor in chief of this magazine)**, held in Ministry of Science, Research and

Technology (MSRT) in cooperation with Azarbaijan Shahid Madani University, East Azerbaijan in 22-24 February 2015.

2. The 1st Festival of Student Journals in the 2nd District of the Northwest of the Country, **Gaining second rank in the Rouiesh magazine in the news section (Member of Editorial board of this magazine)**, held in Ministry of Science, Research and Technology (MSRT) in cooperation with Azarbaijan Shahid Madani University, East Azerbaijan in 22-24 February 2015.
3. The 1st Festival of Selection of Top Researcher Student in Zanjan province. **The second rank in the post-doctoral and Ph.D. students group**, held in Jihad University of Zanjan Province in cooperation with the provincial headquarters of the research and technology week, Zanjan in 7 December 2015.
4. The 2nd Festival of Selection of Top Researcher Student in Zanjan province. **The second rank in the post-doctoral and Ph.D. students group**, held in Jihad University of Zanjan Province in cooperation with the University of Zanjan and the provincial headquarters of the research and technology week, Zanjan in 12 December 2016.
5. Festival of Universities Student Publications in East Azerbaijan province on the occasion of the commemoration of the National Congress of Student Martyrs, **Gaining second rank in the Quranic Nour magazine in the special section; field of student martyrs (Editor in chief of this magazine)**, held in Azarbaijan Shahid Madani University in cooperation with the Student Basij Organization of East Azerbaijan province, East Azerbaijan in 12 December 2016.

Workshop:

1. Participate in the workshop entitled “**Computer (Introductory course)**” for 55 hours held in Education Organization of Zanjan Province (Afsharchi cultural and educational center), Zanjan in Jun 2003.
2. Participate in the workshop entitled “**Computer (Advanced operator course)**” for 60 hours held in Education Organization of Zanjan Province (Afsharchi cultural and educational center), Zanjan in August 2003.
3. Participate in the workshop entitled “**Introduction to reproduce and aquaculture**” for 21 hours held in Agricultural Jihad Organization of Zanjan Province (Aquaculture affairs) in partnership with Society of Agronomy and Plant Breeding (University of Zanjan), Zanjan in 6-8 November 2008.
4. Participate in the workshop entitled “**MATLAB software**” for 4 hours held in Student Researchers Club, Tehran in 6 August 2013.
5. Participate in the workshop entitled “**Engineering mind**” for 1 hours held in Student Researchers Club, Tehran in 9 September 2013.
6. Participate in the workshop entitled “**Journalism in student journals (Introductory course)**” for 8 hours held in University of Maragheh, Maragheh in 22-29 November 2013.
7. Participate in the workshop entitled “**Applied plant breeding methods in Iran and the World**” for 4 hours held in Iranian Society of Crop and Plant Breeding Science

- (1st International and 13th Iranian Crop Science Congress & 3rd Iranian Seed Science and Technology Conference), Tehran in 28 August 2014.
8. Participate in the workshop entitled “**EndNote software**” for 4 hours held in Student Researchers Club, Tehran in 13 Jun 2015.
 9. Participate in the workshop entitled “**Familiarity with databases and search practices**” for 4 hours held in University of Maragheh, Maragheh in 22 April 2015.
 10. Participate in the workshop entitled “**Writing ISI Articles (Elementary level)**” for 4 hours held in Student Researchers Club, Tehran in 25 August 2015.
 11. Participate in the workshop entitled “**Writing ISI Articles (Advanced level)**” for 4 hours held in Student Researchers Club, Tehran in 21 September 2015.
 12. Participate in the workshop entitled “**Cultivation of medicinal plants**” for 4 hours held in Society for Horticultural Science, University of Maragheh, Maragheh in 4-5 May 2015.
 13. Participate in the workshop entitled “**Health, Safety and Environment (HSE)**” for 10 hours held in University of Maragheh, Maragheh in 16 September 2015.
 14. Participate in the workshop entitled “**Introduction to writing ISI and ISC articles**” for 8 hours held in Young Researchers and Elite Club, Zanjan Branch, Islamic Azad University, Zanjan in 19 October 2015.
 15. Participate in the workshop entitled “**Databases and advanced search information in writing article**” for 4 hours held in Student Researchers Club, Tehran in 1 November 2015.
 16. Participate in the workshop entitled “**SPSS software**” for 4 hours held in Student Researchers Club, Tehran in 3 November 2015.
 17. Participate in the workshop entitled “**Provision of seeds and organs standard for medicinal plants, control of certified seeds and reproductive organs and familiarity with relevant technologies**” for 3 hours held in the Development of Science and Technology of Medicinal Herbs and Traditional Medicine Headquarters in cooperation with the Vice-Presidency for Science and Technology, Tehran in 5-8 September 2016.
 18. Participate in the workshop entitled “**First aid**” for 22 hours held in the National Elites Foundation of Tehran in cooperation with the Red Crescent Society of Tehran, Tehran in 11-18 August 2016.
 19. Participate in the workshop entitled “**Ethics in research**” for 3 hours held in Scientific and Cultural Club of Students, Zanjan University Jihad, Zanjan in 10 December 2016.
 20. Participate in the workshop entitled “**Training Elsevier publisher’s electronic resources include Science Direct and Scopus**” for 1 day held in Zanjan Branch, Islamic Azad University, Zanjan in 10 December 2016.
 21. Participate in the workshop entitled “**Familiar with WILEY's valid scientific databases**” for 1 day held in Zanjan Branch, Islamic Azad University, Zanjan in 11 December 2016.

Membership and Professional Societies:

1. Member of Talent Brilliant (A.D.B) in Young Researchers and Elite Club, Zanjan Branch, Islamic Azad University, Zanjan, Iran with ID 9125138002 from 2012.10.12 to 2019.11.25.
2. Member in Student Researchers Club (BPD) with ID 91614 from 2012.11.21 to present.
3. Active member in Student Basij of the University of Maragheh with ID 012024003000337 from 2012.09.22 to 2017.09.22.
4. Active member of Cultural, Office of the Supreme Leader of Iran at the University of Maragheh from 2012.09.22 to 2015.01.19.
5. Member of Advisory Council, Office of the Supreme Leader of Iran at the University of Maragheh from 2012.09.22 to 2015.01.19.
6. Active member of the Central Council of the Quran and Etrat, University of Maragheh with ID 9115611102-105 from 2013.09.23 to 2017.05.02.
7. Member of the Iranian Red Crescent Society, University of Maragheh from 2012.09.22 to 2017.05.02.
8. Member of the Agricultural and Natural Resources Engineering Organization of Iran with ID 709228068 in Tehran from 2014.01.08 to 2018.01.09.
9. Active member of Agronomy and Plant Breeding Society at the University of Maragheh from 2012.09.22 to 2017.05.02.
10. Member of Iranian Society of Crop and Plant Breeding Science with ID 4574 from 2014.02.10 to 2020.04.20.
11. Member of Reference of Iranian Experts with ID 306718 from 2012.03.20 to present.
12. Member of the Network of Iranian Researchers with ID 9833211000035 from 2014.03.21 to present.
13. Member of Scientific and Cultural Club of Students, Zanjan University Jihad from 2014.03.21 to present.
14. Member of Iranian Society of Genetics with ID 2507 from 2016.07.11 to 2017.07.12.
15. Member of Iranian Medicinal Plants Society (IMPS), Zanjan province with ID 9515 from 2016.08.22 to 2017.08.23.
16. Member of Iranian Biology society with ID 413 from 2016.09.22 to 2017.09.23.
17. Member of Iranian Laboratory Research Society (ILRS) from 2018.10.20 to present.

External Evaluator of Refereed Journals and Technical Editorial Board:

1. Editor in chief and member of Editorial board of “**Nour**” in Central Council of the Quran and Etrat at the University of Maragheh for 4 year from 2013.09.23 to 2017.05.02.
2. Member of Editorial board of “**Student Scientific Journal of Rouiesh**” in Agronomy and Plant Breeding Society at the University of Maragheh for 1 year from 2015.02.20 to 2016.02.20.
3. Referee of “**Journal of Seed Research**” with ISSN: 2252-0961 in Publishing Islamic Azad University, Gorgan Branch, Iran from 2018.06.21 to present.

4. Member of Editorial board of “**International Journal of Applied Agricultural Science**” with ISSN Print: 2469-7877 and ISSN Online: 2469-7885 in Science Publishing Group with PersonID 10225126 from 25 May 2018 to 25 May 2020. Website: <http://www.ijaas.org>; <http://www.sciencepublishinggroup.com/j/ijaas>

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