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Mohammad Reza Vazifheshenas

Personal Information

Nationality: Iranian

Age: 44

Place of Birth: Kashmar

Education

- Diploma: experimental sciences In Nemoneh Tarbiat High school In Birjand city. 1991.
- BS Bachelor s degree: horticulture. Aboryhan Agricultural School – Tehran university.1993-1995.
- MS (Master of Science) horticulture Shiraz Agriculture school- Shiraz University. 1998-2001. **Premium ranking** (GPA=18.01)
- PhD. (philosophy of Doctor). Horticulture- Pomology. Ferdowsi university of Mashhad. 2010-2015. **Premium ranking** (GPA=18.21).

Scientometric

Scientometric	Papers	Citation	H-Index
Scopus	9	199	6
Google Scholar	87	342	9
WOS ISI	9	165	6

Dissertation topic of M.S. (Thesis)

Rooting of Seedless Barberry Cutting As Affected By Plant Growth Regulators, Bottom Heat & Mist.

Dissertation topic of PhD. (Thesis)

The study of pollination habit with Xenia and Metaxenia in pomegranate.

Professional experience

- 2001-2004: Yazd Agricultural and Natural resources research center, Yazd, Iran. Researcher
- 2004-present: Yazd Agricultural and Natural resources research center, Yazd, Iran. Faculty member
- Head of Seed & Seeding Breeding Research department .Yazd, Iran (2004-2007).
- Deputy of province research center. Yazd, Iran (2007-2010).
- District superintendent of vegetable. Institute of Higher Education in Agriculture Yazd, Iran (2002-2005).
- Responsible for country pomegranate germplasm collection (2001- present).
- Cooperation in MENARID International projects. United Nations (2012-present).

- Responsible for project of Agriculture drought management in Yazd province (2014- present).
- Fatherhood Coordinator for pomegranate researcher in Iran (2014- present).
- Horticulture Officer of Yazd Agricultural and Natural resources Research& Education center, Yazd, Iran (2016- present).
- Deputy of province research center. Yazd, Iran (2018- present).

Teaching Courses (15 items) and International consultant (2 items)

- A teen-day workshop on “Fruit tree germplasm conservation and use” IPGRI. Karaj- Iran. On October 23, 2002.
- Courses of rules for scientific article writing. Introductory and course of production ISI journals and databases Imam Khomeini Higher Education Center. Karaj- Iran. August, 2003
- Education statistics and experimental design. Karaj agriculture Higher Education Center. Karaj- Iran October, 2004.
- Concepts of Information Technology. Yazd agriculture Higher Education Center. Yazd- Iran. October, 2004.
- Courses computer and managing files. Yazd agriculture Higher Education Center. Yazd- Iran. October, 2005.
- Courses the writing guide. Yazd agriculture Higher Education Center. Yazd- Iran. October, 2004.
- Olive Workshop. Yazd province agriculture jahad organization. 2002.
- Training tests distinction, plants uniformity and stability variety to register. Khorasan agriculture Higher Education Center. 2008.
- Seedlings and nursery course. Cultural education complex in Yazd. 2007.
- Greenhouse cultivations field day. Yazd Agricultural and Natural resources research center. 2002
- Course of a wheat field and barley. Yazd Agricultural and Natural resources research center. 2002
- Course of the basic principles for passive defense. Yazd agriculture Higher Education Center. Yazd- Iran. October, 2004.
- Introduction Courses Environmental Economics and payment patterns to take advantage of the natural endowments. Department of Natural Resources, Yazd. 2012.
- Course of Principles formulated in business plan. Yazd Science and Technology Park. 2012.
- The design and installation of laboratory, workshop and education and research units.
- Standard Workshop and Plant Nursery.
- Training workshops for fruit tree nursery establishment
- Establishment of horticultural crop insurance workshop
- Establishment of workshop for nutrition and Carob Moth pest control in pomegranate.
- Establishment of Olive Workshop.
- Cooperation for Workshop of international Codex preparing in Pomegranate.
- **Consulting Azerbaijan pomegranate orchards (2015- continues)**
- **Consulting China pomegranate orchards (2015).**

Membership (17 items)

- Membership of Subtropical Products Technical Committee.
- Membership of Thinking room in Yazd province agriculture jahad organization
- Memberships of working committee for Cropping patterns and combine in Yazd province agriculture jahad organization.
- Membership of Recommendations for the Expert Group in Yazd province agriculture jahad organization.
- Membership of Technical Scientific Committee (Planning) in Yazd Agricultural and Natural resources research center.
- Member of the Editorial Board of the Journal News in Yazd Agricultural and Natural resources research center.
- Member of trees Technical Committee in Yazd province.
- Member of Research and Education Council in Yazd province.
- Member of promulgator Committee in Yazd province.
- Member of Pomegranate Codex international Committee.
- Member of pomegranate guideline Committee in Iran.
- Member of Strawberries and blueberries guideline Committee in Iran.
- Interface of Horticultural Science Society with Academia.
- Cooperation in the Engineering organization Newsletter.
- Cooperation and Observation of pomegranate station.
- Cooperation in the Horticulture brief projects, Yazd province agriculture jahad organization.
- Memberships of International committee MENARID (Institutional Strengthening and Coherence for Integrated Natural Resources Management) Agriculture expert.
- Memberships of Meteorological Committee in Yazd province.

Researcher

Paper and Presentation

Author and translated books and extension publications (10 items).

- Nutrition of fruit trees – Book (Editing).
- Grafting in fruit trees – (National publication)
- Principles of Pistachio Nutrition – (National publication)
- Principles of pomegranate trees Planting - National publication (Scientific Editor)
- Principles of training and harvesting for pomegranate trees- National publication (Scientific Editor)
- Basic and principles of simply propagation in the Horticulture – Book (Editing).
- Grafting of trees(Scientific Editor)
- Application for Pomegranate
- Book of Garden Cultivars
- Book of Fruit Trees Breeding

Papers(24 items)

- **Vazifeshenas, M.R.**, Tehranifar, A., Davarnejad, G.H., Nemati, H. (2017). Evaluating the pollen germinability of flowers and fruit set of some Iranian pomegranate cultivars. Iranian Journal of Horticultural Science and Technol.6. 25-41.
- **Vazifeshenas, M.R.**, Tehranifar, A., Davarnejad, G.H., Nemati, H. (2017). The study of pollination, fruit set and fruit quality of pomegranate cv. 'Rababe Neyriz'. Seed and plant improvement Journal.3. 17-29.
- **Vazifeshenas, M.R.**, Tehranifar, A., Davarnejad, G.H., Nemati, H.(2017) The study of pollination habit with Xenia and Metaxenia in pomegranate. Acta Horticultural. (Acceptance).
- Jahanshahi, B. Jafari, A. **Vazifeshenas, M.R.**, Gholamnejad J. (2018). A novel edible coating for apple fruits. Journal of Horticulture and Postharvest Research. VOL. 1(1), 63-72
- Ghasemi Soloklui, A.A. Gharaghani, A. Oraguzie, N. **Vazifeshenas, M.R.** (2017). Chilling and Heat Requirements of 20 Iranian Pomegranate Cultivars and Their Correlations with Geographical and Climatic Parameters, as well as Tree and Fruit Characteristics. HORTSCIENCE 52(4):560–565.
- **Vazifeshenas, M.R.**, Khayyat, M., Jamalian, S. and Samadzadeh, A. (2009). Effect of different scion – rootstock combinations on vigor, tree size, yield and fruit quality of three Iranian cultivars of Pomegranate. Fruits 64 (6): 343 -359.
- **Vazifeshenas, M.R.**, Tehranifar, A., Davarnejad, G.H., Nemati, H. (2015). Self and Cross-pollination affect fruit quality of Iranian pomegranate "Malas-e-Yazdi". Journal of Advances in Environmental Biology.No.: 47AEB Dec 2014.
- **Vazifeshenas, M.R.**, Tehranifar, A., Davarnejad, G.H., Nemati, H. (2015). The study of the effects of Xenia and Metaxenia on pomegranate commercial cultivar (Rabbabe- Fars). Crop Breeding Journal. Volume 7, Number 2 (2017).
- Sadat Hosseini, Z. Moradinezhad, F. and **Vazifeshenas, M. R.** Quality improvement and shelf life extension of pomegranate arils using edible coatings (*aloe vera* gel and pectin) during refrigerated storage. JFST No. 64, Vol. 14, June 2017.
- Khayyat, M., **Vazifeshenas, M. R.**, Rajaei, S. and Jamalian, S. (2009). Potassium Effect on Ion Leakage, Water Usage, Fruit Yield and Biomass Production by Strawberry Plants Grown Under NaCl Stress. Journal of Fruit and Ornamental Plant Research. Vol. 17(1) 2009: 79-88.
- Khayyat, M., Tafazoli, E., S.Rajaei, **Vazifeshenas, M.R.**, M. R. Mahmoodabadi and A. Sajjadinia. (2009). Effects of NaCl and

Supplementary Potassium on Gas Exchange, Ionic Content, and Growth of Salt-Stressed Strawberry Plants Journal of Plant Nutrition. V (32): 907-918.

- Khayyat, M. Tehranifar, A. Zaree, M. Karimian, Z., Aminifard, H., **Vazifeshenas, M.R.** Amini, S. Noori, Y. and M. Shakeri(2012). Effects of potassium nitrate spraying on Fruit Characteristics of 'Malas Yazdi' Pomegranate. Journal of Plant Nutrition V (35): 1387-1393.
- Ramezani A. Rahemi, M., **Vazifeshenas, M.R.** (2009). Effects of foliar application of calcium chloride and urea on quantitative and qualitative characteristics of Pomegranate fruits Scientia Horticulturae 121. 171–175.
- Sarkhosh, A., Zamani Z., **Vazifeshenas M. R.** and Fatahi, H. (2008). Evaluation of Iranian Soft-seed Pomegranate Accessions by using Simple and Multivariate Analyses .Tree and Forestry Science and Biotechnology V (2). Number 1: 18-25.
- Sheidai, M. Mohebbi, Z. and **Vazifeshenas, M.R.**, RAPD analysis of genetic diversity in some Pomegranate (*Punica granatum* L.) Cultivars in Iran. (2008). Gene Conserve.
- Khorsandi, F. Alaei, F. And **Vazifeshenas M. R.** (2009). Foliar Zinc Fertilization Improves Marketable Fruit Yield and Quality Attributes of Pomegranate. International Journal of Agriculture & Biology. 11–6.766–770.
- Jafari-Nodoushan, A. Falhzadeh, M. H. Taghei Tabatabaai, S. M. **Vazifeshenas, M.R.** and Jafari A. (2008). In vitro susceptibility testing of wheat lines used for cultivation in Yazd province against an aflatoxicogen aspergillus flovus. Journal of Shahrekord University of Medical Sciences 2008; 10(3):76-82.
- Dehghani , M., **Vazifeshenas M. R.** and Zareh A.(2007). Comparison of main cultivars from Yazd pomegranate after vegetative growth and reproductive changes. Zytan Journal. Tehran. No. 183.
- Dehestani, M. Hassanpour M. Rabei, B. and **Vazifeshenas M. R.** (2012) Effect of potassium and zinc on morphological characteristics and its uptake of in the skin pumpkin (*Cucurbita pepo* var. styriaca) Journal of Horticultural Science and Technology. Shiraz Iran, No.4. p. 403.
- Valizadegan, S., Tabatabaie, E. and **Vazifeshenas M. R.** (2008).Multivariate analysis methods, some Iranian pomegranate cultivars using morphological markers. Journal of Medical Sciences. Tehran, Iran. No.2. p.66.
- Kazemi, M. Zeinalabedini,M., Mousavi M., RoodbarShojaie, T., Irandoost, H., Zahravi, Mehdi. **Vazifeshenas M. R.** , Ebrahimi, M. A., Khayam Nekouei, S. M. G., Salekdeh, H. and Mardi M. (2012). Extensive genetic diversity in Iranian pomegranate (*Punica granatum* L.) germplasm revealed by microsatellite markers. Scientia Horticulturae. V (146), P:

104–114.

- Tehranifara, A. Zareia, M. Nematia,Z. Esfandiyaria, B, and **Vazifeshenas M. R.** , (2010). Investigation of physico-chemical properties and antioxidant activity of twenty Iranian pomegranate (*Punica granatum* L.) cultivars. *Scientia Horticulturae*. P: 180–185.
- Rastegari, H., Tehranifara, A. and **Vazifeshenas M.R.** (2014). The Effect of Calcium nitrate and Salicylic acid on the qualitative characteristics and storage life of pomegranate fruit. *Journal of Horticulture*. Mashhad. Iran. Nov. 2014.

Presentation (34 items)

- Effect of plants growth regulators on increasing the flowering- Location& Time: The first seminar, applied flowers and ornamental plants- Mahlat Iran: Sep. 1991.
- Phytochrome and its role in plant physiology. Location & Time: The second seminar, applied flowers and ornamental plants- Mahlat Iran: Sep. 1992.
- Rooting of Seedless Barberry Cutting As Affected By Plant Growth Regulators, Bottom Heat & Mist. The third congress of Horticulture (Publications of the thesis) – Karaj Iran: Sep. 1992.
- The effect of storage duration and chemicals Substances on marketable, yields, weight loss and fruit quality in Malas Yazdi and gele Tafti pomegranate cultivars. The fourth congress of Horticulture. Mashhad Iran: Oct. 1994.
- Study of ecological relationships among some species of pistachio in Yazd. The fourth International Symposium on Pistachios and Almonds- Tehran Iran.22-25 May 2005.
- An economic analysis of non-greenhouse cultivations and compared with greenhouse grown cucumber in Yazd. The first national conference and festival for greenhouse crops. Mazandaran Iran. Apr. 1995.
- Introduced a cultivar of pomegranate with tolerant to Freezing. Scientific Conference on Applied ways of counter to chilling. Yazd Iran. Des. 1995.
- Study of tolerant to freezing among 760 genotypes of pomegranate reserves collection. Scientific Conference on Applied ways of counter to chilling. Yazd Iran. Des. 1995.
- Suitable methods for chilling management in horticultural crops. Leaders Conference for extension and implement in Yazd province agriculture

jahad organization. Yazd Iran. Mar. 1998.

- Introduced a cultivar of pomegranate with tolerant to cold. Congress of environmental stress on agricultural crops. Birjand Iran. Feb. 1999.
- The yield of Vegetative parts in Haloxylon (*Haloxylon aphyllum*) under drought stress. Congress of environmental stress on agricultural crops. Birjand Iran. Feb. 1999. (Second provider of the list).
- Effects of water stress in water relations for Eucalyptus in the Laysmtry. Congress of environmental stress on agricultural crops. Birjand Iran. Feb. 1999. (Second provider of the list).
- Effects of complementary use of potassium and calcium on vegetative and reproductive growth of strawberry (*Fragaria ananassa* Duch. cv. 'Selva') under saline condition. Congress of environmental stress on agricultural crops. Birjand Iran. Feb. 1999. (Second provider of the list)
- Comparison of main cultivars from Yazd pomegranate after vegetative growth and reproductive changes. Pomegranate Festival and Conference. Nayriz. Fars province. Iran. Dec. 1994.
- Sex expression in cucurbit. The sixth Conference of Agricultural Science Students. Gilan province. 1990.
- Method and plant density in madder. The first national conference of madder. Ardakan. Yazd province. 2000.
- Vegetative growth, yield and fruit quality of three Iranian pomegranate cultivars responding to propagation by cutting or grafting. The 28th International Horticultural Congress, Lisbon-Portugal. 22-27August 2010. (Second provider of the list)
- Effects of Potassium Nitrate Spraying on Physical and Chemical Characteristics of Malas Yazdi Pomegranate Fruit. The 28th International Horticultural Congress, Lisbon-Portugal. 22-27August 2010. (Second provider of the list).
- Study and comparison current propagation methods in pomegranate. Ferdows Pomegranate Conference. Mashhad.2011.
- Comparing of the chilling requirement in some pomegranate resistant, moderately resistant and sensitive cultivars to spring frost. Ferdows Pomegranate Conference. Mashhad.2011.
- Comparison of Methods for Packaged in commercial pomegranates of Abdanan Tabas and Yazd Aghda cultivars and the impact on quality and added value. Pomegranate Conference. Mashhad.2011.
- Comparing of pomegranates commercial cultivars of infection for Carob moth, cracking and sunburn infection. Ferdows Pomegranate Conference. Mashhad.2011 (Second provider of the list).

- Effects of Potassium Nitrate Spraying on Fruit Characteristics of 'Malas Yazdi' Pomegranate. Ferdows Pomegranate Conference. Mashhad. 2011 (Second provider of the list).
- Effect of growth regulators and potassium sulfate on color of different part of pomegranate fruit after cold storage Ferdows Pomegranate Conference. Mashhad.2011 (Fourth provider of the list).
- Preharvest foliar application of methyl jasmonate, salicylic acid and potassium sulfate on improving the quality of pomegranate fruit. II International Symposium on the Pomegranate. Madrid and Orihuela (Spain), 19 – 21 October 2011. (Fourth provider of the list).
- Comparing of the Chilling Requirement in some Pomegranates Cultivars for Determine Resistant or Sensitive to Spring Frost. 3rd International Symposium on the Pomegranate and Minor Mediterranean Climate Fruits. (China), September 20th-24th, 2013.
- Determination of the Yield Potential in Pomegranate Orchards. 3rd International Symposium on the Pomegranate and Minor Mediterranean Climate Fruits. (China), September 20th-24th, 2013.
- Guideline for evaluation and determination of factors causing damages in pomegranate orchards. 3rd International Symposium on the Pomegranate and Minor Mediterranean Climate Fruits. (China), September 20th-24th, 2013.
- Genetic Variations of Cold Hardiness within Iranian Ornamental Pomegranates. International Symposium on Role of Plant Genetic Resources on Reclaiming Lands and Environment Deteriorated by Human and Natural Action. Ghasemi Soloklui, A.A., A. Gharaghani, A.M Yavari, M.E. Nasrabadi, M.R. Vazifeshnas. Shiraz, Iran. May 2016.
- Water stress causes changes in leaf chlorophyll content, proline and electrolyte leakage in 'Shishe-kab' pomegranate cultivar. Nasrabadi, M.E., A. Ramezani, S. Eshghi, A.A. Kamgar Haghighi and M. R. Vazifeshenas. Shiraz, Iran. May 2016.
- Genetic Variations of Potential Dwarfism in Iranian Pomegranates. International Symposium on Role of Plant Genetic Resources on Reclaiming Lands and Environment Deteriorated by Human and Natural Action. Ghasemi Soloklui, A. A., A. Gharaghani, N. Oraguzie, S. Eshghi and M.R. Vazifeshenas. Shiraz, Iran. May 2016.
- Determine the most suitable pomegranate cultivars for Australia country. Omid Farshid Rad and Mohammad Reza Vazifeshenas. IV International Symposium on Pomegranate and Minor Mediterranean Fruits Elche (Valencia), Spain, 18-22 September 2017.
- Genetic diversity and correlation of cold hardiness and tree in a collection of Iranian Pomegranate. A. Gharaghani, Ghasemi Soloklui, A. M. Rahemi and Mohammad Reza Vazifeshenas. XIV Eucaripa Fruit Breeding and Genetics Symposium. Bologna. June 2015.
- Evapotranspiration, yield, water use efficiency and physico-chemical

characteristics of pomegranate under full and deficit irrigation condition in arid climate. Mohammad Hadi Rad, Mohammad Reza Vazifeshenas, Omid Farshid Rad. IV International Symposium on Pomegranate and Minor Mediterranean Fruits. Elche (Valencia), Spain, 18-22 September 2017.

- Effects of clonal rootstocks on scion of three pomegranate cultivars. Mohammad Reza Vazifeshenas and Omid Farshid Rad. IV International Symposium on Pomegranate and Minor Mediterranean Fruits. Elche (Valencia), Spain, 18-22 September 2017.
- The study of the effects of Xenia and Metaxenia on pomegranate commercial cultivar. Mohammad Reza Vazifeshenas, Ali Tehranifar, GholamHossein Davarnejad, Hossein Nemati, Omid Farshid Rad, Mohammad Hadi Rad, Ali Mohammad Yavari. Authors: IV International Symposium on Pomegranate and Minor Mediterranean Fruits. Elche (Valencia), Spain, 18-22 September 2017.

Reports of scientific or technical research projects (26 items)

- Identification, collection and evaluation of almond species and cultivars for conservation and using **(Executor)** - Location: national (Iran). Project No: 100-12-79402.
- Identification, collection and morphological evaluation of Iran native apple germplasms. **(Executor)**- Location: national (Iran). Project No: 100-12-81330.
- Qualitative and quantitative evaluation from new almond cultivars of late flowering and Comparison with standard and self- pollination almond cultivars: **(Executor)** - Location: national (Iran). Project No: 100-12-81138.
- Selection of new pomegranate cultivars via hybridization of soft-seedless and commercially important cultivars. **(Executor)** - Location: Yazd (Iran). Project No: 124-12-80297.
- Investigation on efficiency of clone stocks on scion in three cultivars of Pomegranate **(Executor)** - Location: Yazd (Iran). Project No: 124--12-81329.
- Adaptation test and determination of the suitable training system and plant density in promising pomegranate cultivars in different region of IRAN. **(Executor)** - Location: national (Iran). Project No: 100-12-4-84142.
- Provide a genetic Identity of almond cultivars based on morphological characters and molecular markers. **(Executor)** - Location: national (Iran). Project No: 100-14- 07-4-83011.
- Identification of pomegranate genotypes based on growth morphological characters and molecular markers in Genetic resources collection. **(Executor)** - Location: national (Iran). Project No: 100-121400-84145.

- Identification and registration of some Pomegranate cultivars by using morphological characteristics. **(Executor Officer)** - Location: national (Iran). Project No: 34-3-308-87009.
- Analysis, Selection and comparison of chilling tolerance, among Iranian commercial pomegranate cultivars. **(Executor)** Location: national (Iran). Project No: 04-03-03- 87086.
- Identification, collection and morphological evaluation of Iran native Jujube (*Ziziphus jujuba*) germplasms. **(Executor)**- Location: national (Iran). Project No: 88009-03-44-0.
- Identification, collection and morphological evaluation of Iran native Barberry (*berberis vulgaris*) germplasms. **(Executor)**- Location: national (Iran). Project No: 88010-03-44-0.
- Investigation on efficiency of biological and chemical products in Pomegranate for drought tolerance. **(Executor Officer)** - Location: national (Iran). Project No: 04-64-03-88106.
- Determination of the yield potential in pomegranate orchards. (Executor Officer) - Location: national (Iran). Project No: 04-64-03-89108.
- Guideline for evaluation and determination of factors causing damages in pomegranate orchards. **(Executor Officer)** - Location: national (Iran). Project No: 04-64-03-89109.
- The effects of freezing on horticulture products: Pistachio, almond, apricot and walnut in Yazd province. **(Executor Officer)** - Location: Yazd (Iran). Special subproject.
- Identify some pistachio cultivars of resistant to chilling and late flowering. **(Executor Officer)** - Location: Yazd (Iran). Special subproject.
- Identify some almond cultivars of resistant to chilling. **(Executor Officer)** - Location: Yazd (Iran). Special subproject.
- Identify some pomegranate cultivars of resistant to late spring and early autumn chilling. **(Executor Officer)** - Location: Yazd (Iran). Special subproject.
- Identification of pomegranate genotypes of resistant to freezing in 760 genotype of genetic resources collection **(Coworker)** - Location: Yazd (Iran).
- Investigation on adaptability and performance of industrial eucalypt provenances at Yazd ecological. **(Coworker)** - Location: Yazd (Iran). Project No: 0-16-17000-01-8401-84001
- Compatibility of commercial pomegranate cultivars in Iran different regions. **(Coworker)** - Location: Yazd (Iran). Project No: 4-64-16-86165

Teaching(16 items)

- The effect of storage duration and chemicals Substances on marketable, yields, weight loss and fruit quality in Malas Yazdi and gele Tafti pomegranate cultivars. **(Coworker)** - Location: Yazd (Iran). Project No: 12-20-78-045
- The compared of pomegranate Qjaq cultivar with commercial cultivars. **(Coworker)** - Location: Yazd (Iran). Research projects - extension
- Investigation on causes of aril colorless in khorasan province. **(Coworker)** - Location: Mashhad (Iran). Project No: 4-43-03-86293
- Identify the best male genotypes of pistachio cultivars for pollination in Yazd. **(Coworker)** - Location: Yazd (Iran). Project No: 2-063-1500-05-8523.
- Teacher in university of Khorasan Razavi- Kashmar: Gardening Lesson. 5 terms- 4 years (2002-2004)- 15 credit hours .
- Teacher in Islamic Azad university of Meybod- Yazd: Gardening Lesson. 5 terms- 4 years (2004-2008) - 15 credit hours.
- Teacher in Payam Noor University of Yazd. Gardening Lesson. 5 terms- 4 years (2004-2008) - 14 credit hours.
- Teacher in Institute of Higher Education in Agriculture Yazd. General olericulture Lesson. , Iran (2002-2005). 12 credit hours.
- Teacher in Institute of Higher Education in Agriculture Yazd. Private olericulture Lesson. , Iran (2002-2005). 12 credit hours.
- Teacher in Institute of Higher Education in Agriculture Yazd. Computer Lesson. , Iran (2002-2005). 12 credit hours.
- Teacher in engineering organization. Horticulture problems for Experts of Engineering. Yazd Dec. 2007. (8 hours).
- Teacher in education management and research Yazd province. Teach the principles of landscape building (lawn, floriculture and pruning of trees and shrubs).2006. (8 hours)
- Teacher in Institute of Higher Education in Agriculture Yazd. Training workshop establishment of fruit trees nursery.Nov.2008. (8 hours)
- Teacher in Extension Department of Garmsar Iran. Pomegranate Nutrition results and IPM transfers it. 2004. (8 hours).
- Teacher in Yazd Agricultural and Natural resources research center.

**The counseling
for graduate
students (15
items)**

- Horticultural crop insurance education. 2008. (8 hours).
- Teacher in Cultural education complex in province Yazd. Standards for trees nursery. 2009. (8 hours).
 - Teacher in education management and research Yazd province. Pruning of ornamental trees and shrubs. 2009. (8 hours).
 - Teacher in agriculture Bank of Yazd province (Mehriz). Pomegranate trees insurance.2012.
 - Teacher in Yazd Agricultural and Natural resources research center. EndNote software.2012.
 - Teacher in university of Khorasan Razavi- Mashhad: Computer Lesson. 1 terms- 1years (2011-2012)- 15 credit hours .
 - Teacher in university of Khorasan Razavi- Mashhad: Computer Lesson. 1 terms- 1years (2011-2012)- 15 credit hours .
 - Teacher in University of Science and Arts of Yazd: Genetic , Breeding, Biology, Physiology, Biotechnology and Postharvest(2014- present). 220 credit hours.
 - Study of genetic diversity of some pomegranates (*Punica granatum* L.) by using RAPD molecular markers. University: Shhid Beheshti Iran. 2007-2009. (A thesis for master science).
 - Genetic Diversity of some pomegranate cultivars using molecular markers (RAPD). University: Azad Science and Research Iran. 2007-2009. (A thesis for master science).
 - Effect of potassium and zinc on morphological characteristics and its uptake of in the skin pumpkin (*Cucurbita pepo* var. styriaca). University: Gilan Iran. 2007-2009. (A thesis for master science).
 - Comparing of the chilling requirement in some from pomegranate cultivars. University: Azad Science and Research Iran. 2008-2011. (A thesis for master science).
 - Study and comparison current propagation methods in pomegranate. University: Azad Science and Research Iran. 2008-2010. (A thesis for master science).
 - Effect of gibberellic acid concentration and time on the properties of pomegranate seeds. University: Aboalisina Hamadan Iran. 2008-2010. (A thesis for master science).
 - Effect of IBA and NAA on rooting of pomegranate cultivars softwood cuttings

and semi-wood cuttings on the growth and dormant seasons. University: Ferdowsi of Mashhad.2010-2012. (A thesis for master science).

- Comparison of Methods for Packaged in commercial pomegranates. University: Azad Science and Research Iran. 2008-2010. (A thesis for master science).
- The Effect of Calcium nitrate and Salicylic acid on the qualitative characteristics and storage life of pomegranate fruit (Cv: Malas- Yazdi) University: Ferdowsi of Mashhad.2011-2013. (A thesis for master science).
- Effect of IBA and NAA on rooting of pomegranate cultivars softwood cuttings and semi-wood cuttings on the growth and dormant seasons. University: Ferdowsi of Mashhad.2011-2013. (A thesis for master science).
- Interaction of water stress and foliar application of salicylic acid and kaolin on morpho-physiological and biochemical responses of two cultivars of pomegranate (*Punica granatum* L.). University: Shiraz. 2017.
- Cyto-histological evaluation of cold attributes among contrasting pomegranate genotypes during annual cycle; gene and metabolite identification under freezing stress. University: Shiraz. ABR11. 2017.
- Evaluation of breeding potentials of twenty Iranian pomegranate cultivars with emphasis on genetic of cold hardiness, fruit quantities and quality. University: Shiraz. 2017.
- A Novel Edible Coating for Apple Fruits. University: Ardakan. 2017.

Jury of papers

- Jury of Applied Science Conference for crop chilling. 2005. Yazd Agricultural and Natural resources research center.
- Jury of selection for premier researcher. 2006-2010 Yazd Agricultural and Natural resources research center.
- Jury of student papers. 2009. Institute of Higher Education in Agriculture Yazd.

Encourages (8 items).

- Encouragement from the Yazd province Governor Due to choose for the best Researcher of Yazd provinces. Dec 2009.
- Encouragement from the chief of Yazd province agriculture jahad organization, Due to choose for the best agriculture project. 2008.
- Encouragement of research and teaching assistant. 2002.
- Encouragement of research and extension assistant. (4 items).2007-

2010.

- Encouragement from The chief of Yazd Agricultural and Natural resources research center. (3 items). 2006-2009.
- Encouragement from the chief of Yazd province agriculture jahad organization, Due to choose for the best Researcher of Yazd provinces. Dec 2009.
- Encouragement from animal Production assistant of Yazd province agriculture jahad organization. 2009.
- Encouragement from Islamic Azad university assistant of Meybod- Yazd.
 - Proficiency in the Windows PC.
 - Proficiency in Microsoft Office software (Word, PowerPoint ...).
 - Proficiency in statistical software (MSTAT-C ...).
 - Proficiency in graphic design software (Photoshop ...).

**Knowledge
Computer**

Languages

Persian (Native language).

English (Reading & Writing).

Interests

- Horticulture: pomology (pomegranate, almond, pistachio, barberry), floriculture (lawn, ornamental and shrubs trees), Landscape and olericulture.
- The Internet and Web, Computer.

Sport (volleyball, soccer, chess).