

Curriculum Vitae

Kazem Arzani (PhD)

Professor of Pomology

Department of Horticultural Science

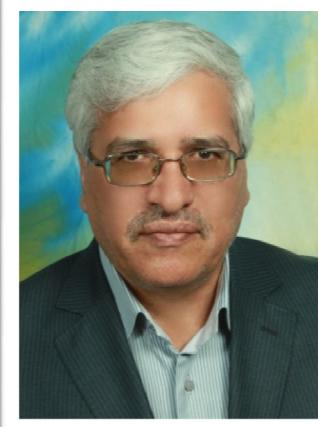
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EDUCATION

1. **PhD:** Fruit culture (Pomology & Fruit Trees Physiology), Massey University, New Zealand, 1994
PhD thesis: *Horticultural and physiological aspects of vigor control in apricot (*Prunus armeniaca* L.) under orchard and controlled environment conditions*
<http://hdl.handle.net/10179/4059>
2. **MSc:** Fruit culture (Pomology & Fruit Trees Breeding), University of Tehran, Iran, 1989
MSc thesis: *Compatibility and incompatibility studies of some sweet cherry cultivars in fertilization and fruit set of sweet cherry cv. 'Siah Mashad'*
3. **BSc:** Fruit culture (Pomology), University of Tehran, Iran, 1979
BSc Project: *Evaluation of orchard floor management, weeds identification and control in the selected Fars province orchards*

ACADEMIC RANKS:

1. Sabbatical leave, Department of Horticulture, Cornell University, Ithaca, New York, 2012-2013 Academic year.
2. Professor Tarbiat Modares University (TMU), 2009 to present.
3. Associate Prof. Tarbiat Modares University (TMU), 2004-2009.
4. Assistant Prof. Tarbiat Modares University (TMU), 1995-2004.
5. Horticulture instructor, Tarbiat Modares University (TMU), 1989-1990.
6. Horticulture instructor of Center for Agricultural Educations, Karaj 1986-1989.

HONORS AND AWARDS

1. Distinguished TMU Professor Award in 2001 and 2007.
2. Distinguished TMU Head of Departments Selection Award in 2002.
3. Distinguished TMU Researcher Selection Award in 2002, 2003, 2004, 2009, 2013 and 2017.
4. Evaluated and Awarded the Excellent Professional Consultant Degree in Horticulture

- by Agriculture and Natural Recourses Engineering Disciplinary Organization (NREDO) of Iran
5. Received "The Senior Scientist Award" in *The III World Biodiversity Congress (WBC2015), October 20-29, Mecavnik – Mokra Gora, Serbia*
 6. Received, ISHS Medal Award from The International Society for Horticultural Science (ISHS), in Recognition of Meritorious Service to the Society as Convener of the I International Conference & X National Horticultural Science Congress of Iran (IrHC2017), 4-7 September, 2017, Tehran, Iran.

COURSES TAUGHT

1. Physiology of rootstocks for fruit trees; Physiology of flowering; Fruit growth and development; Physiology of growth and productivity (PhD Graduate)
2. Fruit trees Physiology; Plant Growth Regulators; Fruit trees breeding (MSc Graduate)
3. Pomology (BSc Undergraduate)

SUPERVISED MSC & PHD STUDENTS

Fifty two (54) MSc and 29 PhD students supervised. More detail appeared in Persian in the following link: <http://www.modares.ac.ir/?&fkeyid=&siteid=90&pageid=7066>

RESEARCH VIEWPOINTS

1. **Arzani, K.** 1998. Viewpoint on the Horticultural research structure and strategy of Iran. A Keynote speech in the First National Almond Conference of Iran. Shahrekord University.
This presentation mainly focused on the suggestion for the establishment of "Horticultural Science Research Institute (HSRI)" in Iran. Full paper published as the following citation:
Arzani, K. 2001. An Overview on Organization, Structure and Strategy of Iranian Horticultural Research. A Keynote speech in the First National Almond Conference of Iran. August 24 – 27, 1999, Shahrekord University: Published in the Proceedings of the Conference pages 1-27 (In Persian). DOI: [10.13140/2.1.2679.5846](https://doi.org/10.13140/2.1.2679.5846)
2. **Arzani, K.** 2013. New research in Horticultural Science. A Keynote Speech in the 8th Iranian Horticultural Science Congress. 26th. August, Hamadan University, Iran.
3. **Arzani, K.** 2013. Effective and new research based on the position of Iranian Horticultural Science. Baghdar Magazine, 75: 3-6 (In Farsi).
4. **Arzani, K.** 2016. A Persian Interview: The First International Conference and 10th National Horticultural Science Congress of Iran (IrHC2017). Baghdar Magazine, 108: 50-57 (In Farsi).

RESEARCH INTERESTS

1. Pomology (Fruit production and orchard management system)
2. Breeding (Germplasm identification, evaluation, preservation, controlled hybridization and Pollen descriptive analysis using SEM)
3. Physiology (Water relations and plant hormone interactions, environmental stress and carbon isotope discrimination)
4. The impact of preharvest culture and application on postharvest pome and stone fruit shelf life and physiology

RESEARCH EXPERIENCE

1. Study on the adaptation of some Asian pear (*Pyrus serotina* Rehd.) cultivars under Iran environmental conditions (National Research Project leader).
Phase 1: Arzani, K. 2008. Introduction, propagation, quarantine evaluation and onset of some Asian pear cultivars (*Pyrus serotina* Rehd.) compatibility evaluation under Iran environmental conditions: Phase 1 introduction and propagation of germplasm. Final Report on the National Asian pear project at Tarbiat Modares University (TMU), Project No. 4225 with the support of National Research Council of Iran (NRCI). 140 p.
Phase 2: Arzani, K. 2014. Introduction, propagation, quarantine evaluation and onset of some Asian pear cultivars (*Pyrus serotina* Rhed.) compatibility evaluation under Iran environmental conditions: Phase 2 Compatibility evaluations under different set of environmental conditions. Final Report on the National Asian pear project at Tarbiat Modares University (TMU), Project No. 84006 with the support of National Science Foundation Organization (INSF ORG) of Iran.
2. Study on the compatibility and pollination aspects of commercial Iranian sweet cherry cultivars (National Research Project leader).
3. Controlled pollination and pollen analysis, germplasm evaluation and identification and compatibility studies.
4. Plant hormone interactions, water relations, environmental stress and carbon isotope discrimination.
5. Soilless culture and aeroponic system studies on young apricot trees under greenhouse and controlled environment conditions
6. Horticultural research planning based on suitable strategy and structure systems.
7. Pre- and postharvest non destructive fruit assessments in relation to fruit maturity and storage disorders.

PROFESSIONAL EXPERIENCE

1. Convener of "First International Conference and 10th National Horticultural Science Congress of Iran", 4-7 September, 2017 TMU, Iran.
2. Iranian Society for Horticultural Science (IrSHS), Board member (Since, 2014) and IrSHS Vice-president (Since, 2016).
3. Deputy Dean in Education, Faculty of Agriculture (TMU) from March 2010 to September 2012.
4. Head of Department of Horticultural Science at TMU, 1998-2006; 2009-2011; 2013-2016; 2016 to 2018.
5. Establishment of Pomology Lab in the Department of Horticultural Science at TMU
6. Head of Horticulture Research Department at Seed and Plant Improvement Institute (SPII) at Ministry of Agriculture, Iran 1998-2001.
7. Member of National Agricultural Research Projects Advisory Committee
8. Head of Agriculture Office and Centers for Agricultural Services and Extension in Eghlid city (Fars province, Shiraz) 1983-1986.
9. Head of Department of Agriculture and Fruit culture division, Bonyad of Fars province (Shiraz) 1982-1983.
10. Head of Agricultural Service Dept., Jehad Agriculture, Fars province (Shiraz) 1980-1983

COMMITTEE MEMBER

1. Member of MSc and PhD thesis Examination Committee at the Faculty of Agriculture, TMU and for many graduated PhD students at Department of Horticulture, University of Tehran, University of Tabriz and IAU, Iran.
2. Member of PhD Comprehensive Examination Committee at the Faculty of Agriculture, TMU and some of students at Shiraz University.
3. Education Committee member at Faculty of Agriculture and TMU 2011-2012.
4. Scientific committee member and session chair in many regional and national Horticultural Symposiums, Conference and Congress from 1995 to present.
5. Session Chair in the International Conference & Exhibition on Soilless Culture (ICESC 2010), Singapore.
6. Member of Safety Committee at Faculty of Agriculture and TMU.
7. Member of Research Committee at the Faculty of Agriculture, TMU.
8. Member of Research and Technical Committee at Certification of Seed and Plant Institute, Ministry of Agriculture, Iran.
9. Executive Scientific Committee member of first national Iranian olive culture conference.
10. Scientific Committee member of first National Almond Conference in Iran.
11. Committee member of Temperate Zone Fruit Tree Culture in Ministry of Agriculture, AERO division.
12. Scientific Committees member of IrHC2017.
13. Scientific Committee member of IHC2018 in Turkey.
14. Member of Tarbiat Modares University (TMU), The 5th., Academic Promotion Board and also The 6th., Academic Promotion Board's Agriculture Committee.
15. Member of Ramin Agriculture University of Ahvaz, Academic Promotion Board (Since 2017).

MEMBERSHIP OF SCIENTIFIC SOCIETIES

1. American Society for Horticultural Science 1990-1993.
2. Iranian Society for Horticultural Science 1996 to present.
3. International Society for Horticultural Science (ISHS) 1995 to present.
4. Agriculture and Natural Resources Engineering Disciplinary Organization of Tehran Province 2002 to present.

REFEREE OF SCIENTIFIC JOURNALS

Referee for more than 20 national and International Scientific Journals such as J. Agr. Sci. Tech. (JAST), New Zealand. J. Crop Hort. Sci. (NZJCHS), HortScience, Journal of Plant Growth Regulation (JPGR), Food Chemistry, Crop Breeding Journal (CBJournal), Trees (Springer), International Journal of Fruit Science and Acta Scientiarum Polonorum. More detail is appeared in Persian in the following link: <http://www.modares.ac.ir/?&fkeyid=&siteid=90&pageid=7066>

MEMBERS OF EDITORIAL BOARDS OF SCIENTIFIC JOURNALS

1. Seed and Plants 1998 – 2009.
2. Pajouhesh VA Sazandegi 2008 – 2009.

3. Journal of Agricultural Sciences and Natural Resources 2008 to 2013.
4. Iranian Journal of Horticultural Science 2009 to present.
5. Seed and Plant Production Journal 2009 to present.
6. Seed and Plant Improvement Journal 2009 to present.
7. J. Agr. Sci. Tech.(JAST) 2012 to present.
8. Journal of the Iranian Seed Sciences and Technology 2012 to present.

MEMBERS OF EDITORIAL BOARDS OF EXTENTION SCIENTIFIC JOURNALS

1. Baghdar Extension Journal (Monthly)
2. Journal of Agriculture and Natural Resources Engineering Disciplinary Organization

PUBLISHED BOOKS

1. Radnia, H. and **K. Arzani** 1989. Plant propagation in horticulture. *Pub. By Agricultural Education Publisher*, Ministry of Agriculture, Karaj, Iran. (Video film 83 minutes).
2. **Arzani K.** and A. Imani 1998. The importance of orchard establishment and factors affecting fruit industry. *Pub. By Agricultural Education Publisher*, Ministry of Agriculture, Karaj, Iran.
3. **Arzani K.** 1999, Fruitful fields. (Translated book). *Pub. By Agricultural Education Publisher*, Ministry of Agriculture, Karaj, Iran.145pp.
4. **Arzani K.**, Ferdovsi Zadeh and Seyed Karimi 1999. Planting and swing skills (seven chapters). *Pub. By, Department of Agricultural Education*, Ministry of Education, Tehran, Iran.160pp
5. **Arzani K.**, I. Arji and T. Javadi 2009. Pruning and training systems for modern olive growing (Translated book). *Pub. By Agricultural Education Publisher*, Ministry of Agriculture, Karaj, Iran.232pp.
6. **Arzani K.** 2014. Fruit Trees Physiology and Breeding Programs Research Using Microscopic Technology. Chapter 39 In book: International Multidisciplinary Microscopy Congress: Springer Proceedings in Physics Volume 154. Editors: Efstrathios K. Polychroniadis, Ahmet Yavuz Oral, Mehmet Ozer , Pub. By Springer International Publishing Switzerland, pp.275-281.
7. Khaleghi E. and **K. Arzani** 2016. Flowering and alternate bearing in olive and its control methods. *Pub. By Shahid Chamran University of Ahvaz*, Iran. 112 pp.
8. **Kazem Arzani**, Mahmoud Reza Roozban, Mahdi Ayyari Noushabadi, Mohsen Arzani, Masoumeh Karbasi, Saadat Sarikhani Khorami and Sedigheh Shokri 2017. Book of Abstracts. *The First International Horticultural Science Conference of Iran (IrHC2017)*. Published by Secretariat Office of the First International and Xth. National Horticultural Science Congress of Iran (IrHC2017), Tarbiat Modares University, Tehran, Iran. 291 pages.
9. **Kazem Arzani**, Mahmoud Reza Roozban, Mahdi Ayyari Noushabadi and Saadat Sarikhani Khorami 2017. Book of Abstracts. *Xth., National Horticultural Science Congress of Iran (IrHC2017)*. Published by Golazin Publisher, Tehran, Iran. 691 pages.
10. Mousavi M., Mousavi A., Habashi AA., **Arzani K.**, Dehsara B. and Braieh M. 2017. Genetic Transformation of Date Palm Via Microprojectile Bombardment. Book chapter 22 in Book: Date Palm Biotechnology Protocols Volume I : Tissue Culture Applications. Editor(s): Jameel M. Al-Khayri, S. Mohan Jain, Dennis V. Johnson 2017.

PUBLISHED INTERNATIONAL JOURNAL ARTICLES (PEER REVIEWED)

- 1- Javady, T and **K. Arzani** 2001 Pollen morphology of five Iranian olive (*Olea europaea* L.) cultivars. *J. Agr. Sci. Tech. (JAST)* Vol.3: 341-346.
- 2- Javanshah A., P. Cappellini and **K. Arzani** 2002. LA DIFFEREZIAZIONE DELLE GEMME A FIORE NEL PISTACCIO CV OHADY. *Italus Hortus* 9(2): 26-29.
- 3- **Arzani, K.** and H.R. Roosta. 2004. Effects of paclobutrazol on vegetative and reproductive growth and leaf mineral content of mature apricot (*Prunus armeniaca* L.) trees. *J. Agr. Sci. Tech.(JAST)* 6:43-56.
- 4- Hokmabadi, H., **K. Arzani** and P.F. Grierson. 2005. Growth, chemical composition and carbon isotope discrimination of pistachio (*Pistacia vera* L.) rootstock seedlings in response to salinity. *Australian Journal of Agricultural Research.* 56 : 135-144.
- 5- **Arzani, K.** and M. Koushesh-Saba 2005. Enhancement of Sultana grape (*Vitis vinifera* L.) maturity by pre-veraison ethanol and methanol spray. *Indian Journal of Agricultural Science.* 75(10): 670-672.
- 6- **Arzani, K.**, F. Zare-Nahandi and E. Amiri 2005. Performance of flowering and fruit set of coconut (*Cocos nucifera* L.) palms under the Kish Island environmental conditions of Iran. *Indian Journal of Agricultural Science.* 75(11): 731-734.
- 7- **Arzani, K.**, M.A. Nejatian, and G. Karimzadeh. 2005. Apricot (*Prunus armeniaca*) pollen morphological characterization through scanning electron microscopy, using multivariate analysis. *New Zealand. J. Crop Hort. Sci.* 33:381-388.
- 8- Amiri M. E. and **K. Arzani** 2006. Mineral availability and growth of banana (*Musa acuminate* var. Dwarf Cavendish) explant under various relative matric potential *in vitro*. *Journal of Food, Agriculture & Environment* Vol.4 (3&4): 84-88.
- 9- **Arzani, K.**, H. Mansouri-Ardakan, A. Vezvaei and M. R. Roozban. 2008. Morphological variation among Persian walnut (*Juglans regia*) genotypes from central Iran. *New Zealand. J. Crop Hort. Sci.* 36:159-168.
- 10- **Arzani, K.**, Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2008. Postharvest physicochemical changes and properties of Asian (*Pyrus serotina* Rehd.) & European (*Pyrus communis* L.) pear cultivars. *Hort. Environ. Biotechnol.*, 49(4):244-252.
- 11- **Arzani, K.**, Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2009. Polyphenoloxidase Activity, Polyphenol and Ascorbic Acid Concentrations and Internal Browning in Asian Pear (*Pyrus serotina* Rehd.) Fruit During Storage in Relation to Time of Harvest. *Europ.J.Hort.Sci.*, 74 (2): 61–65.
- 12- Varasteh F. and **K. Arzani** 2009. Classification of Some Iranian Pomegranate (*Punica granatum*) Cultivars by Pollen Morphology Using Scanning Electron Microscopy. *Hort. Environ. Biotechnol.* 50(1):24-30.
- 13- **Arzani K.**, F. Bahadori, and S. Piri 2009. Paclobutrazol Reduces Vegetative Growth and Enhances Flowering and Fruiting of Mature 'J.H. Hale' and 'Red Skin' Peach Trees. *Hort. Environ. Biotechnol.* 50(2):84-93.

- 14-** Arzani K., A. Sherafaty and M. Koushesh-Saba 2009. The Effects of Harvest Date and Post Harvest Alkaline Treatment on Quantity and Quality of Green Raisin. *J. Agr. Sci. Tech. (JAST)* 11(4): 449-456.
- 15-** Mousavi, M., A. Mousavi, A. A. Habashi and **K. Arzani** 2009. Optimization of Physical and Biological Parameters for Transient Expression of *uidA* Gene in Embryogenic Callus of Date palm (*Phoenix dactylifera* L.) via Particle Bombardment. *African Journal of Biotechnology* 8 (16):3721-3730.
- 16-** Mortazavi, S. M. H., **K. Arzani** and A. Moieni 2010. Optimizing storage and *in vitro* germination of date palm (*Phoenix dactylifera*) pollen. *J. Agr. Sci. Tech.(JAST)* 12:181-189.
- 17-** Arzani, K., Yadollahi, A., Ebadi, A. and Wirthensohn, M. 2010. The relationship between bitterness and drought resistance of almond (*Prunus dulcis* Mill.). *African Journal of Agricultural Research* 5(9): 861-866.
- 18-** Alizadeh-Salteh, S., **K. Arzani**, R. Omidbeigi and N. Safaei 2010. Essential Oils Inhibit Mycelial Growth of *Rhizopus stolonifer*. *Europ.J.Hort.Sci.*, 75 (6): 278-282.
- 19-** Yazdani, N., **K. Arzani**, Y. Mostofi and M. Shekarchi 2011. α -Farnesene and antioxidative enzyme systems in Asian pear (*Pyrus serotina* Rehd.) fruit. *Postharvest Biology and Technology* 59: 227-231.
- 20-** Arzani, K., Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2011. Total oxalate soluble pectin concentration in Asian pear (*Pyrus serotina* Rehd) fruit in relation to ripening, storage and internal browning disorder. *J. Agr. Sci. Tech.(JAST)* 13:611-626.
- 21-** Yadollahi, A., **Arzani**, K. A. Ebadi, M. Wirthensohn, S. Karimi 2011. The response of different almond genotypes to moderate and severe water stress in order to screen for drought tolerance. *Scientia Horticulturae* 129:403–413.
- 22-** Mostafa Ghasemi, **Kazem Arzani**, Abbas Yadollahi, Shiva Ghasemi, Saadat Sarikhani Khorrami, 2011. Estimate of Leaf Chlorophyll and Nitrogen Content in Asian Pear (*Pyrus serotina* Rehd.) by CCM-200. *Not Sci Biol*, 3(1):91-94.
- 23-** Feryal Varasteh, **Kazem Arzani**, Mohsen Barzegar, Zabihollah Zamani, 2012. Changes in anthocyanins in arils of chitosan-coated pomegranate (*Punica granatum* L. cv. Rabbab-e-Neyriz) fruit during cold storage. *Food Chemistry* 130: 267–272.
- 24-** Alizadeh-Salteh, S., **K. Arzani** and A. Imani 2012 Self-incompatibility studies of some Iranian late-blooming almonds and pollen source effect on some characteristics of Nuts. *Journal of Nuts* 3(2):37-44.
- 25-** Mahmoud Koushesh-Saba, **Kazem Arzani** and Mohsen Barzegar 2012. Postharvest polyamine application alleviates chilling injury and affects apricot storage ability. *Journal of Agricultural and Food Chemistry* 60, 8947–8953.
- 26-** Akhlaghi Amiri, N., A. Asadi Kangarshahi and **K. Arzani**. 2012. Reducing of citrus losses by spraying of synthetic auxins. *International Journal of Agriculture and Crop Sciences (IJACS)* 4(22):1720-1724.
- 27-** Ghasemi M., **K. Arzani**, and D. Hassani 2012. Identification and Evaluation of Walnut (*Juglans regia* L.) Genotypes in Arak, Iran. *Crop Breeding Journal* 2(2): 119-124.
- 28-** Karimi S., A. Yadollahi, R. Nazari-Moghadam, A. Imani and **K. Arzani** 2012. *In vitro* Screening of Almond (*Prunus dulcis* (Mill.)) Genotypes for Drought Tolerance. *J. BIOL. ENVIRON. SCI.*, 6(18), 263-270

- 29-** Khaleghi E., **K. Arzani**, N. Moallemi, M. Barzegar 2012. Evaluation of Chlorophyll Content and Chlorophyll Fluorescence Parameters and Relationships between Chlorophyll a, b and Chlorophyll Content Index under Water Stress in *Olea europaea* cv. 'Dezfoul'. World Academy of Science Engineering and Technology 68:2112-2115
- 30-** Asadi-Gharneh H. A., K. Arzani and A. Shojaeian 2012. Investigation on yield and fruit quality of some cultivated strawberry in Iran. World Academy of Science Engineering and Technology 6(8) : 41-43
- 31-** **Arzani K.**, M. Ghasemi, A. Yadollahi and H. Hokmabadi 2013. Study of foliar epidermal anatomy of four pistachio rootstocks under water stress. IDESIA (Chile) 31(1): 101-107
- 32-** Fallahi, E., **K. Arzani** and B. Fallahi 2013. Long-term leaf mineral nutrition in 'Pacific Gala' apple (*Malus × domestica* Borkh.) as affected by rootstock type and irrigation system during six stages of tree development. Journal of Horticultural Science & Biotechnology 88 (6): 685-692.
- 33-** Karimi S., A. Yadollahi, **K. Arzani** 2013. Responses of almond genotypes to osmotic stress induced *in-vitro*. International Journal of Nuts and Related Sciences (IJNRS) 4(4): 1-7.
- 34-** Karimi S., A. Yadollahi, **K. Arzani** and A. Imani 2013. Leaf Pigments Help Almond Explants Tolerating. World Academy of Science Engineering and Technology 7(5) : 162-165
- 35-** Nikzad Gharehaghaji A., **K. Arzani**, H. Abdollahi, A. Shojaeian, L. Dondini and P. D. Franceschi 2014. Genomic characterization of self-incompatibility ribonucleases in the Central Asian pear germplasm and introgression of new alleles from other species of the genus *Pyrus*. Tree Genetics & Genomes 10 (2): 411-428. DOI: 10.1007/s11295-013-0696-7
- 36-** Mousavi Soraya, Mehdi Hosseini Mazinani, **Kazem Arzani**, Abbas Ydollahi, Saverio Pandolfi, Luciana Baldoni and Roberto Mariotti 2014. Molecular and morphological characterization of Golestan (Iran) olive ecotypes provides evidence for the presence of promising genotypes. Genetic Resources and Crop Evolution 61(4): 775-785 DOI 10.1007/s10722-013-0071-4
- 37-** Najafzadeh Roghayeh, **Kazem Arzani**, Naser Bouzari and Ali Saei 2014. Genetic Diversity Assessment and Identification of New Sour Cherry Genotypes Using Intersimple Sequence Repeat Markers. International Journal of Biodiversity Volume 2014, Article ID 308398, 8 pages <http://dx.doi.org/10.1155/2014/308398>
- 38-** Jafari Azam, **Kazem Arzani**, Esmaeil Fallahi and Mohsen Barzegar 2014. Optimizing Fruit Yield, Size, and Quality Attributes in 'Malase Torshe Saveh' Pomegranate through Hand Thinning. Journal of the American Pomological Society 68(2): 89-96.
- 39-** Alizadeh Salteh, S. and **K. Arzani** 2014. Xenia in Almonds: Pollen source effect on characteristics of some iranian late-blooming almonds and their self incompatibility. International Journal of Nuts and Related Sciences (IJNRS) 5(1): 49-54.
- 40-** Yazdani, N., **Arzani, K.**, Mostofi, Y. and Shekarchi, M. (2014), Antioxidative enzyme activity and internal browning of 1-methylcyclopropene-treated European pear fruits (cv. 'Shahmiveh' and 'Sebri'). International Journal of Food Science & Technology, 49(11): 2514–2520. doi: 10.1111/ijfs.12579

- 41-** Najafzadeh Roghayeh, **Kazem Arzani**, Naser Bouzari, Javad Hashemi 2014. Identification of new Iranian sour cherry genotypes with fruit main quality, antioxidants and enhanced functional properties. *New Zealand. J. Crop Hort. Sci.* 42(4):1-13. DOI: 10.1080/01140671.2014.918044
- 42-** Najafzadeh Roghayeh, **Kazem Arzani** and Naser Bouzari 2014. Selection of promising sour cherry (*Prunus cerasus* L.) genotypes based on high growth properties, yield and quality. *Indian Journal Sci. Res.* 3(3): 364-378.
- 43-** Dehghani Behnam, **Kazem Arzani**, Daryoush Houshmand, Ali Asghar Zinanlo 2014. Fruit Characteristic of some Olive Cultivars grown under South of Iran Environmental Conditions. *Adv. Environ. Biol.*, 8(24): 267-274.
- 44-** Khaleghi E., **K. Arzani**, N. Moallemi, M. Barzegar 2015. The efficacy of Kaolin particle film on oil quality indices of olive trees (*Olea europaea* L.) cv 'Zard' grown under warm and semi-arid region of Iran. *Food Chemistry* 166: 35–41. Doi:10.1016/j.foodchem.2014.06.006
- 45-** Karimi S., A. Yadollahi, **K. Arzani**, A. Imani and M. Aghaalikhani 2015. Gas-exchange response of almond genotypes to water stress. *Photosynthetica* 53(1):29-34 Doi: 10.1007/s11099-015-0070-0
- 46-** Najafzadeh Roghayeh and **Kazem Arzani** 2015. Superior Growth Characteristics, Yield, and Fruit Quality in Promising European Pear (*Pyrus communis* L.) Chance Seedlings in Iran. *J. Agr. Sci. Tech. (JAST)* 17(2): 427-442.
- 47-** Rahmati Mostafa, **Kazem Arzani**, Abbas Yadollahi and Hamid Abdollahi 2015. Influence of rootstock on vegetative growth and graft incompatibility in some pear (*PYRUS SPP.*) cultivars. *Indo-Am. J. Agric. & Vet. Sci.*, 3(1): 25-32.
- 48-** Najafzadeh Roghayeh, **Kazem Arzani**, Naser Bouzari and Ali Saei 2015. Characterization of promising sour cherries revealed by SDS-PAGE analysis. *Journal of Biology and Nature*, 3 (2) : 50-58.
<http://www.ikpress.org/abstract.php?iid=559&id=36&aid=4079#.VX8eK1JHaUQ>
- 49-** Nouri Omid, **Kazem Arzani**, Aziz Moameni and Mehdi Taheri 2015. Vegetative growth and fruit set of olive (*Olea europaea* L. cv. 'Zard') in response to some soil and plant factors. *Journal of Central European Agriculture* 16 (3) : 319-329. DOI: 10.5513/JCEA01/16.3.1627
- 50-** Najafzadeh, R. **Arzani**, K. Bouzari, N. Saei, A. 2016. Genetic variation and identification of promising sour cherries inferred from microsatellite markers. *Russian Journal of Genetics (Genetika)* 52 (1) : 64-73. DOI: 10.7868/S0016675815110119
- 51-** Mahmoud Koushesh-Saba, **Kazem Arzani** and Mohsen Barzegar 2016. Impact of postharvest Calcium treatments on storage life, biochemical attributes and chilling injury of apricot. *J. Agr. Sci. Tech. (JAST)* 18(6): 1355-1366
- 52-** Zivdar Shohreh, **Kazem Arzani**, Mohamad Kazem Souris, Norollah Moallemi and Seyed-Mansour Seyednejad 2016. Physiological and Biochemical Response of Olive (*Olea europaea* L.) Cultivars to Foliar Potassium Application. *J. Agr. Sci. Tech. (JAST)* 18(12) : 1897- 1908
- 53-** Mahmoud Koushesh-Saba, **Kazem Arzani** and Mousa Rasouli 2017 Genetic Relationship of Iranian Pear Genotypes with European and Asian Pears as Revealed

- by Random Amplified Polymorphic DNA Markers. International Journal of Fruit Science 17 (1) : 82-92 Doi: [10.1080/15538362.2016.1220343](https://doi.org/10.1080/15538362.2016.1220343)
- 54- Varasteh Feryal, **Kazem Arzani**, Mohsen Barzegar and Zabihollah Zamani 2017. Pomegranate (*Punica granatum* L.) Fruit Storability Improvement Using Pre-storage Chitosan Coating Technique. *J. Agr. Sci. Tech. (JAST)* 19(2): 389-400
- 55- Mousavi S., Mariotti R., Bagnoli F., Costantini L., Cultrera N.G.M., **Arzani K.**, Pandolfi, S. Vendramin G.G., Torkzaban B., Hosseini-Mazinani M., Baldoni L., 2017. The eastern part of the Fertile Crescent concealed an unexpected route of olive (*Olea europaea* L.) differentiation. *Annals of Botany* Volume 119(8): 1305–1318, <https://doi.org/10.1093/aob/mcx027>
- 56- Saeideh Alizadeh-Salteh, Nasrin Farhadi, **Kazem Arzani** and Hassan Khoshghalb 2018. Almond Oil Quality as Related to the Type of Pollen Source in Iranian Self Incompatible Cultivars. International Journal of Fruit Science 18(1):29-36 <https://doi.org/10.1080/15538362.2017.1367983>
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