

Mansoor Shamili Associate professor (CV)

Personal Information	First Name: Mansoor Last Name: Shamili	Hometown: Bandar Abbass-Iran
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Organization	University of Hormozgan Bandar Abbass, Hormozgan, Iran 2009 to now	Home page: https://ostad.hormozgan.ac.ir/ostad/resualti?m=863852 ORCID https://orcid.org/0000-0001-7967-438X
Education	• Ph.D. Horticultural science (Physiology and Breeding of Fruit Crops), Agriculture Faculty, University of Tehran, Tehran, Iran • M. Sc. Horticultural science, Agriculture Faculty, University of Tehran, Tehran, Iran • B. Sc. Horticultural science, Agriculture Faculty, Hormozgan University, Bandar Abbas, Iran	
Major Areas of Interest	▪ Computer application in plants ▪ Plant resources evaluation ▪ Plant behavior under abiotic stress	
Computer Skills	➤ Good Experience with the following Statistical software: • SPSS • SAS • MSTSTC ➤ Familiar with the following Bioinformatics software: • NTSYS • ARLEQUIN • MICROSAT • IDENTITY • GENEPOP • POP GENE	

Membership

Available as reviewer

- *International Society of Horticultural Science (ISHS)*
- *Scientia horticulturae*
- *Fruit*
- *Photosynthetica*
- *Foods*
- *Genetic resources and crop evaluation*
- *Hort Science*
- *Journal of Plant Research (national)*
- *Journal of Plant Process and Function (national)*
- *Plant research (national)*
- *Plant production (national)*

Publications

1. Ghader Amani, **Mansoor Shamili**, Ali Imani, Amir Mousavi, Hamed Rezai. Soraya Daneshvar. 2023. Overexpression of genes related to the antioxidant responses and salt tolerance of almond (*Prunus dulcis*) scions. *Erwerbs-Obstbau*. DOI:10.1007/s10341-023-00905-9
2. Masoomah Abbasi· Abdolmajid Mirzaalian Dastjerdi · Majeed Askari Seyahooei · **Mansoor Shamili**. Babak Madani. 2023. Postharvest control of green and blue molds on Mexican lime fruit caused by *Penicillium* species using *Thymus vulgaris* essential oil and carboxy methyl cellulose. *Journal of Plant Diseases and Protection*.
3. Zahra Pahangeh, **Mansoor Shamili**, Negar Azarpira, Alireza Yavari. 2022. Salt-induced alternations in the content of secondary metabolites and antioxidant responses of guava seedlings. *Journal of Plant Process and Function*. 49.
4. Abbasi, , Mirzaalian Dastjerdi, , Askari Siahouee, , **Shamili**, Madani. 2022. Effect of edible coatings on green mold reduction and quality maintenance of Mexican lime fruit. *Iranian Journal of Food Science and Technology*.123.
5. Ehsan Akbarpour, Ali Imani, Abdolmajid Mirzaalian Dastjerdi, **Mansoor Shamili**. 2022. The response of Peach Cultivars Grafted on GN-15 Rootstocks to the Application of Organic Acids under Bicarbonate Stress. *Journal of Plant Process and Function*. 48.
6. Sakineh Ehteshami. Abdolmajid Mirzaalian Dastjerdi. Asghar Ramezani. Rasool Etemadipoor. Farzin Abdollahi. Mohammad Salari. **Mansoor Shamili**. 2021. Effects of edible alginate coating enriched with organic acids on quality of mango fruit during storage. *Journal of Food Measurement and Characterization*
7. Masoomah Abbasi. Abdolmajid Mirzaalian Dastjerdi. Majid Askari Siahouee . **Mansoor Shamili**. Babak Madani. 2021. Efficacy of Some Essential Oils on Blue Mold (*Penicillium italicum*) Decay and Qualitative Characteristics of Lime Fruit (*Citrus aurantifolia* cv. Mexican lime). *Pomology Research Journal*.6 (1). 51-65.
8. Shiva Tabatabaee, Alireza Iranbakhsh, **Mansoor Shamili**, Zahra Oraghi Ardebili. 2021. Copper nanoparticles mediated physiological changes and transcriptional variations in microRNA159 (miR159) and mevalonate kinase (MVK) in pepper: potential benefits and phytotoxicity assessment. *Journal of Environmental*

Chemical Engineering.

9. O. Doosti Irani, A. Rohani, M. R. Golzarian, **M. Shamili**, P. Azarkish. 2021. Predicting quality characteristics of Mango of Kelk-e Sorkh variety using color image processing and artificial neural networks. Iranian Food Science and Technology Research Journal
10. Zahra Majidi, Azadeh Goudarzi, **Mansoor Shamili**, Abdoolnabi Bagheri, Majeed Askari Seyahooei. 2021. High distribution rate of an emerging fungal pathogen on mango: A case study from southern Iran. Crop protection.
11. **M. Shamili**¹, and J.I. Hormaza. 2021 Genotypic and phenotypic diversity in guava (*Psidium guajava* L.) genotypes from Iran. Fruits.
12. **Mansoor Shamili**, Razie Esfandiari Ghalati, and Fayeze Samari. 2021. The Impact Of Foliar Salicylic Acid In Salt-Exposed Guava (*Psidium Guajava* L.) Seedlings. INTERNATIONAL JOURNAL OF FRUIT SCIENCE
13. Ali Imani, Ghader amani, **Mansoor shamili**, Amir Mousavi, Hamed Rezai, Mousa Rasouli and Pedro José Martínez- García..2021. Diversity and Broad Sense Heritability of Phenotypic Characteristic in Almond Cultivars and Genotypes. International Journal of Horticultural Science and Technology.
14. S. Dehghanpour, **M. Shamili**, A. Mirzalaiyan Dastjerdi The impact of cumin essential oil on cold stored radish tubers. 2021. AHS.
15. Abbasi, M., Mirzaalian Dastjerdi, A., Askari Siahouee, M., **Shamili, M.**, Madani, B.. 2021. Inhibitory Effect of Some Essential Oils on Control of Green Mold (*Penicillium digitatum*) and Postharvest Quality Parameters of Lime Fruit. JFST No. 109, Vol. 17.
16. Z. AkbarnejadSamani. **M. Shamili**, F. Samari. The toxicity potential of Ag nanoparticles synthesized from *Cordia myxa* L. 2020. AHS.
17. Razie Esfandiari Ghalati, **Mansoor Shamili** Ahmad Homaei. 2019. Effect of putrescine on biochemical and physiological characteristics of guava (*Psidium guajava* L.) seedlings under salt stress. Scientia Horticulturae. 261
18. O Bazrafshan, H Zamani, H Ramezanieted, Z Gerkaninezhad Moshizi, **M Shamili**, Y Ismaelpour, H Gholami. 2020. Improving water management in date palms using economic value of water footprint and virtual water trade concepts in Iran. Agricultural Water Management 229.
19. R Etemadipoor, A Ramezani, A Mirzaalian Dastjerdi, **Mansoor Shamili**. 2019. The potential of gum arabic enriched with cinnamon essential oil for improving the qualitative characteristics and storability of guava (*Psidium guajava* L.) fruit. Scientia Horticulturae 251 (2019) 101–107
20. K Zeighami Nejad, M Ghasemi, **Mansoor Shamili**, and G Damizadeh. 2019. Effect of Mycorrhiza and Vermicompost on Drought Tolerance of Lime Seedlings (*Citrus aurantifolia* Cv. Mexican Lime. INTERNATIONAL JOURNAL OF FRUIT SCIENCE
21. **Shamili, M.** 2019. The estimation of mango fruit total soluble solids using image processing technique. Scientia horticulture
22. Razie Esfandiari, **Mansoor Shamili**, Ahmad Homaei. 2019. Guava (*Psidium guajava* L.) leaf protease activity enriched by controlled stress and putrescine application. Scientia horticulture
23. Morteza Bigdeli, Ali Imani, **Mansoor Shamili**. 2018. The evaluation of almond

- progenies of cold-susceptible and cold-tolerant parents (Filippo-Ceo ×Shahrood-12). *Scientia Horticulturae*
24. **Shamili, M.**, R, Fatahi., I, Hormaza. 2012 Characterization and evaluation of genetic diversity of Iranian Mango (*Mangifera Indica* L., Anacardiaceae) genotypes using Microsatellites. *Scientia horticulture*. 148:230-234.
 25. **Mansoor Shamili**, Sedigheh Dehghanpour and Sara Atrash. Zeolite alleviates physiological and defense responses in drought stressed carrot (*Daucus carota* L.). 2020. *Journal of Plant Process and Function*
 26. Bazrafshana, H. Ramezani Etedali, Z.Gerkani Nezhad, **M. Shamili**. 2019. Virtual water trade and water footprint accounting of Saffron production in Iran. *Agricultural Water Management*
 27. A. Salimpour, **M. Shamili**, A. Dadkhodai, H. Zare, M. Hadadinejad. 2019. Evaluating the tolerance of seven fig cultivars (*Ficus carica* L.) to salt stress. *Advances in horticultural science*. Volume 33, Issue No. 4.
 28. Ali Imani, **Mansoor Shamili**. 2108. Almond nut weight assessment by stepwise regression and path analysis. *International Journal of Fruit Science*
 29. Ali Imani, **Mansoor Shamili**. 2108. Phenology and pomology of almond's cultivars and genotypes using multivariate analysis. *Advances in Horticultural Science*
 30. Zahra akbarnejad-Samani, **Mansoor Shamili**, Fayeze Samari. 2010. The toxicity potential of Ag nanoparticles synthesized from *Cordia myxa* L. *Advances in Horticultural Science*
 31. H Sajadian, **Mansoor Shamili**, H Hokmabadi, A Tajabadipour, H Hasheminasab. 2019. Physiological Responses of Some Rootstocks and Interspecific Hybrids of Pistachio to Cold Stress under Greenhouse Conditions. *Journal of Nuts* 10(2) 139-151
 32. H Sajadian, **Mansoor Shamili**, H Hokmabadi, A Tajabadipour, H Hasheminasab. 2019. Physio-Biochemical Responses of Rootstocks and Interspecific Hybrids of Pistachio (*Pistacia vera* L.) to Chilling. *Pistachio science and technology*. 3(1).
 33. Morteza Bigdeli, Ali Imani, **Mansoor Shamili**. 2017. Effects of Boron and Cold Stress on Germination of Almond Pollen in Vitro Culture. *Journal of Nuts*
 34. A Salimpour, **Mansoor Shamili**, A Dadkhodaie2, H Zare, M Hadadinejad. 2019. Impact of NaCl on leaf abscission, ion content and photosynthetic indices of seven commercial Fig (*Ficus carica*.L) cultivars. *Journal of Plant Process and Function (National)*, Vol. 8, No. 31
 35. Z akbarnejad-Samani, **Mansoor Shamili**, F Samari. 2020. The potential of green and chemical synthesized nano particles to induce oxidative stress in *Allium cepa* L. *Journal of Plant Process and Function (National)*, No. 34
 36. A Salimpour, **M Shamili**, A Dadkhodai, H Zare, M Hadadinejad. 2019. The impact of salt stress on antioxidant enzymes, photosynthetic pigments, protein and proline content of Fig cultivars (*Ficus carica*.L). *Journal of Plant Process and Function (National)*, No. 8(29).
 37. R. Etemadipoor, A. Ramezani, A. Mirzaalian Dastjerdi, **M. Shamili**. Effect of Oleic Acid Edible Coating Containing Cinnamon Essential Oil on Qualitative Characteristics of Guava Fruit (*Psidium guajava* L.). 2019. *Iranian Journal of*

38. Z Pashangeh, **Mansoor Shamili**. 2018. Ameliorating negative impacts of salinity on physiological characteristics of guava (*Psidium guajava* L.) by application of gibberellic acid. *Journal of Plant Process and Function* (National), No. 8(29).
39. Sedigheh Dehghanpour, **Mansoor Shamili** and Abdolmajid Mirzalaiyan-Dastjerdi. 2020. Effect of lavender (*Lavandula angustifolia* Mill.) essential oil on the antioxidant and biochemical parameters of radish (*Raphanus sativus* L.) during cold storage. *Journal of Plant Process and Function* (National)
40. M. R. Golzarian, **M. Shamili**, O. Doosti Irani, P. Azarkish. 2017. Detection of surface defects caused by mechanical damages on Mangos of Kelk-e Sorkh variety with the use of color image processing. *Iranian Food Science and Technology Research Journal* (National). Vol. 12, No. 5, 652-662
41. **M. Shamili**, M. R. Golzarian, P. Azarkish, O. Doosti Irani, 2018. Application of Image Processing Technique for Estimating Chilling Injury to Mango Fruit. *Seed and plant production* (National).
42. S.Ghasemi., M. Ghasemi., N.Moradi and **M. Shamili**. 2012. Effect of *Calotropis procera* leaf extraction on seed germination of some plants. *Journal of ornamental and horticultural plants* (National). 2 (1). 27-32.
43. **Mansoor Shamili**. 2020. Antioxidant response of guava (*Psidium guajava* L.) genotypes to salinity. *Journal of Plant Process and Function* (National) No. 34
44. Z Pashangeh, **Mansoor Shamili**, F Abdolahi, M Ghasemi. 2019. The interaction of salinity and gibberellin on leaf abscission, dry matter, antioxidant enzymes activity and ion content in guava (*Psidium guajava* L.). *Journal of Plant Research* (National).
45. **M. Shamili**., Talaei, A., Fatahai, R. and Talebi, M. 2009. Morphological evaluation of some mango genotypes in Iran. *The Journal of Agriculture Science* (National). 40: 95-110.
46. **M. Shamili**., Fatahai, R and Talaei, A. 2009. Molecular evaluation of some Iranian mango genotypes using microsatellite markers. *Modern Genetics Journal* (National). 4(3): 27-36.
47. **M. Shamili**. A review on application of related software to Horticulture IT (focus on Geographical information system, remote sensing and artificial network. *The Journal of Zeytoon*. (National). 4(3): 27-36
48. **M. Shamili**., Fatahai, R and Talaei, A. 2011. Evolution the effect of pollen grain type on mango (*Mangifera indica*) fruit set and its quality. *The journal of Agriculture science* (National). 36(2). 1-21.
49. **M. Shamili**., Fatahai, R and Talaei, A. 2011. Study the relation of Regular bearing fruit schedule with Catecholase and Cresolase enzyme activity in mango. *The journal of Agriculture science* (National). 36 (3). 65-75.

Gene submission

- *Prunus dulcis* isolate TS3 mitochondrial superoxide dismutase (MnSOD) mRNA, partial cds; nuclear gene for mitochondrial product
- *Prunus dulcis* serine/threonine-protein kinase SAPK1 (sapk1) mRNA, partial cds
- *Prunus dulcis* delta-1-pyrroline-5-carboxylate synthase (p5cs) mRNA, partial cds

Projects

- The morphological, biochemical, physiological and molecular response of guava to copper nanoparticles and cupric chloride levels 2023-2024
- The impact of nano selenium and sodium selenate levels on biochemical, physiological,

and growth parameters of Mango (*Mangifera indica* L.) 2023-2024

- Phenological and pomological assessment of three tropical crops (Mango, Guava, Jujube) using multivariate statistical techniques 2020-2022
- Molecular evaluation of the genetic variation of guava 2019-2021
- The stability of the inhibitory effects of Guava leaf extract under stress condition 2019-2021
- Evaluation of date palm water foot print in Iran 2018-2020
- Quantization of chilling injury on mangoes using image processing during storage 2017-2019
- Evaluation of salinity resistance of some mango genotypes of Hormozgan 2012-2014

Teaching experience

- **Ph.D. courses**
 - *Advanced statistical analysis*
 - *Breeding of horticultural plants for tolerance to abiotic stresses*
- **M.S.c courses**
 - *The principle of plant tissue culture*
 - *Fruit crop breeding*
- **Bachelor courses**
 - *The principle of tissue culture and biotechnology*