



Mohammad Reza Zare Bavani

Assistant Professor

College: Faculty of Agriculture

Education

Degree	Graduated in	Major	University
BSc	2000	Horticulture Science	Shiraz University
MSc	2007	Horticulture Science (Olericulture)	University of Guilan
Ph.D	2015	Horticulture Science-Physiology and breeding of vegetables	University of Guilan

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
		Tenure Track	Full Time	8

Papers in Journals

1. Faeze Behzadipour, Mahmood Ghasemi Nezhad Raeini, Saman Abdanan Mehdizadeh, Morteza Taki, Bijan Khalil Moghadam, Mohammad Reza Zare Bavani, Jaime Lloret.A smart IoT-based irrigation system design using AI and prediction model.Neural Computing and Applications.۳۵، ۲۰۲۳، مجلد JCR.
2. Kazem Negarestani , Mohammad Reza Zare Bavani, Maede Neici.Nomenclatural Notes on Allium atroviolaceum (Amaryllidaceae) from Iran.Taxonomy and Biosystematic.مجلد ۱۴، شماره ۱۵، شماره صفحات ۱۴۰۱-۱۴۰۷.
3. Parzhak Zoufan, Mohammad Reza Zare Bavani, Saham Tousi, Afrasyab Rahnama,Effect of exogenous melatonin on improvement of chlorophyll content and photochemical efficiency of PSII in mallow plants (Malva parviflora L.) treated with cadmium,Physiology and Molecular Biology of Plants,Vol. 29, No. 3, 27/12/2022,JCR.
4. Maryam Nadafzadeh, Ahmad Banakar *, Saman Abdanan Mehdizadeh, Mohammadreza Zare Bavani, Saeid Minaei, Gerrit Hoogenboom,Design, fabrication and evaluation of a robot for plant nutrient monitoring in greenhouse (case study: Iron nutrient in spinach),Computers and Electronics in Agriculture,Vol. 217,pp. 108579,2024,JCR.
5. Azadeh Pagard, Mohammad Reza Zare ,& Bavani*, Seyed Abdullah Eftekhari,Effects of Fertigation

- and Foliar Application of Boron on Fruit Yield and Several Physiological Traits of Bell Pepper, International Journal of Horticultural Science and Technology, Vol. 11, 2024, ISC, Scopus.
6. Zare-Bavani, M. R., Rahmati-Joneidabad, M., & Jooyandeh, H, Gum tragacanth, a novel edible coating, maintains biochemical quality, antioxidant capacity, and storage life in bell pepper fruits, Food Science & Nutrition, pp. 1-14, 2024.
7. Sedigheh Booali, Parzhak Zoufan*, Mohammad Reza Zare Bavani, Effect of biofertilizer containing Thiobacillus bacteria along with different levels of chemical sulfur fertilizer on growth response and photochemical efficiency of small radish plants (*Raphanus sativus* L. var. shushtari) under greenhouse conditions, Scientia Horticulturae, Vol. 327, No. 112835, 2023, JCR.
8. Ali Rajabpour; Mohammad Reza Zare , & Bavani, Aquatic Extract of *Camellia sinensis* L. as the Inducer of Cucumber Systemic Resistance to *Bemisia tabaci* Gennadius (Hem.: Aleyrodidae), Journal of Agricultural Science and Technology, Vol. 23, No. 3, 2021, JCR.
9. Zahra Hosseini1, Mohammad Reza Zare ,& Bavani1*, Ahmad Zare2, The effect of salt stress on yield and accumulation of some minerals in two salt-tolerant and susceptible onion cultivars, DESERT, Vol. 26, No. 2, pp. 157-171, 2021.
10. B. Hajivar, M.R. Zare ,& Bavani*, Alleviation of salinity stress by hydrogen peroxide and nitric oxide in tomato plants, Advances in Horticultural Science, Vol. 33, No. 3, pp. 409-416, 2019, Scopus.