

Curriculum Vitae



NAME & SURNAME: Edris Shabani (Shabani, E)

DATE OF BIRTH: 21/03/1986

 **ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Horticultural Science, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran, Postcode: 61357-43311

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PROFESSIONAL PROFILE:

Assistant Professor of Vegetable Crop Physiology in Shahid Chamran University (SCU) of Ahvaz.

EDUCATION BACKGROUND:

Ph.D.: Department of Horticultural Science, Faculty of Agriculture (2016), University of Tabriz, Tabriz, Iran

Thesis title:

The Effect of Magnetic Phosphorus Solution and Mycorrhizal Fungi on Growth, Content of Essential Oil, Phosphorus Uptake Efficiency and Antioxidant Properties of Basil Plant

M.Sc.: Department of Horticultural Science, Faculty of Agriculture (2010), University of Tabriz, Tabriz, Iran

Dissertation title:

Effect of K and Ca on the yield and quality characteristics of cherry tomato grown in NaCl salinity

B.S.: Department of Horticultural Science (2007), Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Golestan, Iran.

TEACHING AND TRAINING EXPERINCE:

Plant Propagation, Greenhouse vegetables, Greenhouse management, Principles of horticultural plants, Internship for BSc students, Greenhouse management for MSc students.

HONOURS AND AWARDS:

- Supported by the National Elite Foundation as a top PhD graduate.
- Top Student in Post Graduate, Ph.D. Course and member of Brilliant Talent in University of Tabriz.

INTERESTS AND RESEARCH FIELDS:

- Soilless culture (hydroponic)
- Vegetable Crop Physiology
- Greenhouse management
- Plant nutrition

RESEARCH ACTIVITIES:

PUBLICATIONS:

1. Youssef Roupael, Petronia Carillo, Giuseppe Colla, Nunzio Fiorentino, Leo Sabatino, Christophe El-Nakhel, Maria Giordano, Antonio Pannico, Valerio Cirillo, **Edris Shabani**, Eugenio Cozzolino, Nadia Lombardi, Mauro Napolitano and Sheridan L. Woo. **2020**. Appraisal of Combined Applications of *Trichoderma virens* and a Biopolymer-Based Biostimulant on Lettuce Agronomical, Physiological, and Qualitative Properties under Variable N Regimes. *Agronomy*. 10(196):1-22. <https://doi.org/10.3390/agronomy10020196>
2. **Edris Shabani**, Sahebal Bolandnazar, Seyed Jalal Tabatabaei. **2019**. Magnetized phosphorus solution and mycorrhization with *Diversispora versiformis* affect p use efficiency, growth and photosynthetic parameters in sweet basil (*Ocimum basilicum*). *Journal of Horticultural Research*. 27(2):103-112. <https://doi.org/10.2478/johr-2019-0010>
3. **Edris Shabani**, Sahebal Bolandnazar, Hemmatollah Pirdashti. **2019**. Converting iron wastes to nano scale zero valent iron: a tool for improving the yield and physiological properties of vegetables in hydroponic Systems - Case Study, broccoli in floating. *Yuzuncu Yil University Journal of Agricultural Science*. 29(3): 559-568.
4. **Edris Shabani**, Sahebal Bolandnazar, Seyed Jalal Tabatabaei, Nosratollah Najafi, and Saeedeh Alizadeh-Salteh. **2018**. Stimulation the movement and uptake of phosphorus in response tomagnetic P solution and arbuscular mycorrhizal fungi in *Ocimum basilicum*. *Journal of Plant nutrition*.41(13):.1662-1673.DOI:10.1080/01904167.2018.1458872.
5. **Edris Shabani**, Sahebal Bolandnazar, Seyed Jalal Tabatabaei, Nosratollah Najafi, and Saeedeh Alizadeh-Salteh. **2017**. Motivate the production of pharmaceutical compounds in *Ocimum basilicum* by magnetic phosphorus solution and arbuscular mycorrhizal fungi. *Journal of Biodiversity and Environmental Sciences*. 11(3): 31-45.
6. **E. Shabani Sangtarashani**, S.J. Tabatabaei, S. Bolandnazar. **2013**. Yield, Photosynthetic efficiency and Quality parameters of Cherry tomato as affected by Ca²⁺ and K⁺ under NaCl salinity. *International Journal of Agriculture and Crop Sciences*. 5(12): 1280-1288.
7. **Edris Shabani**, Seyed Jalal Tabatabaei, Sahebal Bolandnazar, Kamran Ghasemi. **2012**. Vegetative growth and nutrient uptake of salinity stressed Cherry tomato in different calcium and potassium level. *International Research Journal of Applied and Basic Sciences*. 3(9): 1845-1853.
8. Jamshidi, M., **Shabani, E.**, Hashemi, Z. and Ebrahimzadeh M. A. **2014**. Evaluation of three methods for the extraction of antioxidants from leaf and aerial parts of *Lythrum salicaria* L. (Lythraceae). *International Food Research Journal*. 21(2): 783-788.
9. Sina Mohammadi Aghdam, Farhood Yeganehpour, Bijan Kahrariyan, **Edris Shabani**. **2014**. Effect of different urea levels on yield and yield components of corn 704. *International journal of Advanced Biological and Biomedical Research*. 2(2): 300-305.

CONFERENCE PRESENTATIONS:

1. Shabani, E. 2019. Using of salicornia, a way for decreasing Iran saline land extension. 2nd International Conference on Haloculture. Yazd. Iran.
2. Shabani, E. 2021. Physiological Response of 'Lollo Rosso' Lettuce to the Use of *Bacillus subtilis* and Phosphorus in Soilless Culture Conditions. 12th Iranian Horticultural Science

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Congress. Rafsanjan. Iran.

3. Shabani, E. 2021. Substrate Biological Changes and Root to Shoot Phosphorus Ratio Under Different Concentrations of Phosphorus and *Bacillus subtilis* in Hydroponic Cultivation of 'Lollo Rosso' Lettuce. 12th Iranian Horticultural Science Congress. Rafsanjan. Iran.
4. Shabani, E, Alemzadeh Ansari, N and Fayeziadeh, M.R. 2021. The Effect of *Trichoderma* and Different Nutrient Solution Ratios on Nutrient Uptake in Floating Cultivation of 'Lollo Rosso' Lettuce. 12th Iranian Horticultural Science Congress. Rafsanjan. Iran.

RESEARCH PROJECTS:

1. Synergetic effect of *Trichoderma* inoculants and a biopolymer-based biostimulant on greenhouse lettuce performance under reduced nitrogen supply. 2017. University of Naples Federico II. Italy.
2. The effect of different phosphorus concentration and bacterial biological fertilizer (*Bacillus subtilis*) on growth, qualitative and physiological characteristics of Lollo Rossa lettuce (*Lactuca sativa* L.) in hydroponic cultivation. 2021. Shahid Chamran University (SCU) of Ahvaz. Iran.

PROFESSIONAL MEMBERSHIPS:

- Member of the Scientific Society of Iranian soilless culture.
- Member of the reviewer of several Persian and English Journals.

LANGUAGES:

PERSIAN: Native

ENGLISH: Good