

**Hossein Zarei**

Date of Birth: 10.06.1968

Nationality: Iranian

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**Work address:**   
Horticulture and Landscape Dept.

Collage of Plant Production, Gorgan University of Agricultural Sciences and Natural Resources,

Basij Square, Gorgan, Iran

Post Code: 4918943464

**Education and Qualifications:**

BS: Horticulture, Shiraz University, Shiraz, Iran, 1987-1991

MSc: Horticulture (Plant Nutrition and Environmental Pollutions) Tarbiate Modaress University, Tehran, Iran, 1991-1994

PhD: Landscape, (An Investigation into the Missions, Values and Strategies of Contemporary Botanic Gardens in Britain with Particular Reference to Methods of Presenting Plant Collections,

Landscape Dept., School of Architecture, Planning and Landscape, Newcastle University, Newcastle upon Tyne, United Kingdom. 2003-2007

**Current Occupation:** Associate Professor, Faculty member of Plant production (Horticulture and Landscape Dept.) Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran.

**Contact Information:**

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**Research interests:**

Planting design (methods of presenting plants and plant collections in botanic gardens and in urban landscape specially in roof gardens and wall gardens)

Physiology, cultivation, propagation and landscape usage of native plants, ornamental plants, lawns and ground covers

Organic agriculture, Environmental Pollutants and method of decreasing pollution in air soil and water

Greenhouse management for research and commercial use

Postharvest physiology of flowers and fruits

**Teaching experiences since 1993:**

Park and Garden Design

Floriculture

Planting Design

Lawn and Ground Covers

Plant Nutrition

Ornamental Trees and Shrubs

Greenhouse management

**Work experience:**

Head of Horticulture Department, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran 2006-2008

Head of Horticulture Department (2nd time), Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran 2011- 2013

Green space consultant/advisor to the city council of Gorgan city, 2007-2008

Supervisor of more than 60 MSc. students since 2007

Supervisor of more than 8 PhD students since 2013

**Publications (Mainly Journal Articles, under my supervision):**

Shokri, S., Zarei, H. and Alizadeh, M. (2021). Establishment of a micropropagation method for in vitro rooting of Callistemon viminalis micro-cuttings. Acta Hortic. 1315, 257-264

DOI: 10.17660/ActaHortic.2021.1315.39

<https://doi.org/10.17660/ActaHortic.2021.1315.39>

Asadi, Narges; Zarei, Hossein; Hashemi-Petroudi, Seyyed Hamidreza and Mousavizadeh, Seyyed Javad. Micropropagation and assessment of somaclonal variation in Galanthus transcaucasicus in vitro plantlets. Ornam. Hortic. [online]. 2021, vol.27, n.4, pp.505-515. Epub Nov 08, 2021. ISSN 2447-536X. <https://doi.org/10.1590/2447-536x.v27i4.2320>.

A Study on the Feasibility of Replacing Silver Nitrate with Natural Compounds in Preservative Solution of *Gerbera jamesonii* Cut Flowers

Mehrdad Babarabie, Hossein Zarei and Faryal Varaste

Journal of Plant Physiology and Breeding, 2017, 7(1): 75-86

Evaluation of Rooting of Stem Cuttings of *Magnolia soulangeana* Under Influence of Time and IBA Treatment

Zahra Golshadi Ghale-shahi, Hossein Zarei, Mahdi Alizadeh, Mehrdad Babarabie

Journal of Chemical Health Risks 2017

JCHR (2017) 2(4), 261-275

Effects of salicylic acid and thiamine on flowering and morphological traits of tuberose cut flowers in both hydroponic and soil systems

Mehrdad Babarabie, Hossein Zarei, Sima Badeli and Vahid Mollazadeh

Iranian Journal of Horticultural Science 2018

Vol 49, No 1, Spring 2018 (233-243)

Investigation the capability of native herbaceous species of Gorgan as the ground covers

H. Zarei1, E. Zeynali, M. Babarabi

Plant ecophysiology Journal 2018

(2018)-(Vol.9)-No 32, 215-224

Investigating the Potential of Increasing of the Vase Life and some Qualitative Traits of Tuberose Cut Flowers by Non-Harmful Compounds Environmentally

Zahra Golshadi Ghaleh-shahi1, Merhdad Babarabie\*2, Sadegh Atashi1, Hossein Zarei1, Atoosa Danyaei, Sima Badeli

Journal of Chemical Health Risks (2016) 6(4), 281–289

Rooting of Stem Cuttings of Lonicera plant (*Lonicera japonica* L.) under Natural and Chemical Treatments

Mehran Fathi, Hossein Zarei and Faryal Varasteh

Journal of plant product research, 2018, vol. 25, No. 2 83-97

The Effect of Natural and Chemical Compounds on Rooting Traits of Bougainvillea (Bougainvillea spectabilis L.)

Mehran Fathi \*, Hossein Zarei, Feryal Varsteh

Journal of Chemical Health Risks 2017

The Effect of Apple Fruit Extract on Vase Life and Some Physiological Characteristics of Alstroemria cv. ‘Balance’ Cut Flowers

Mehrdad BabarabieHossein Zarei and Feryal Varasteh

Agricultural communication 2016

Gibberlic acid and benzyl adenine effects on the vase life of Cycads foliage

M. Abshahi, H. Zarei, Azim ghasemnejhad and Mahnaz Aghdasi

Journal of Ornemantal Plants 2016

Physiological response of Gerbera jamesonii L. cut flowers to the cola and peppermint essence

Mehrdad Babarabie, Hossein Zarei and Feryal Varasteh

Iranian Journal of plant physiology 2016

Potential of increasing the vase life and improvement of some physiological characteristics of Alstromeria cut flowers by using non-harmful compounds environmentally

Mehrdad Babarabie, Hossein Zarei and Feryal Varasteh

Journal of chemical health risks 2016

Investigation of the Impact of Benzyladenine and Several Natural Compounds on the Vase Life and Some Qualitative Traits of Tuberose Cut Flowers

Zahra Golsahdi Ghaleh Shahi , Mehrdad Babarabie , Sadegh Atashi , Hossein Zarei and Atoosa Danyaei

Journal of Ornemantal Plants 2016

The Effect of Rosemary Essential Oils and Thymol on Vase Life and Some Physiological Characteristics of Alstroemeria Cut Flowers

M. babarabie H. Zarei and F. Varasteh 2015

Changes in Chlorophyll Content, External Quality Characters, Dry Weight and Vase Life of Strelitzia (Strelitzia spp.) Leaves Affected by Different Preservative Solutions

M. Abshahi, H. Zarei, Azim ghasemnejhad and Mahnaz Aghdasi

Plant physiology and breeding 2014

Micropropagation of Hippeastrum hybridum

H. Amani H. Zarei and A. M. Azar and K. Mashayekhi

Cumhuriet University of Science 2014

Role of grafting techniques on the success of stenting propagation of two rose varieties

American journal of plant sciences (2013) Vol. 4, 41-44

Z. Izadi, H. Zarei, M. Alizadeh

An investigation into the “Management Status” of active ornamental greenhouses of the Gorgan Area.

By: S.S. Hosseini and H. Zarei

Journal of Plant Production, Persian Version, 2007. Vol. 16, 110-120

Comparison of Different Pot Mixtures Containing Perlite on Growth and Morphological Characteristics of Pothos (Scindapsus Aureum L.)

By: Fatemeh Bidarnamani and Hossein Zarei

Journal of Ornamental Plants, Vol. 4, 29-38, Dec. 2014.

Evaluation of planting design in some urban green spaces of Iranian cities, considering their form and functionality (in Persian)

Electronic Journal of Agricultural Sciences of Golestan, 2nd year, Vol. 2, (2008)

By: M. Maroof, H. Zarei, A. R. Mikaeili

Influential indexes of urban parks on health and psychological quality; based on specialist ideas.

Journal of Urban Landscape Research, Vol. 1, No. 1, 2014. [www.julr.ir](http://www.julr.ir) (in Persian)

By: M. Maroof, H. Zarei, A. R. Mikaeili

Effect of rosemary extract on vase life and some qualitative characteristics of cut carnation flowers (Dianthus caryophyllus cv. ‘white liberty’).

By: Yeganeh Basiri, Hossein Zarei, Kambiz Mashayekhy and Mohammad Hadi Pahlavany

Journal of Stored Products and Postharvest Research Vol. 2(14), pp. 261 – 265, 16 November, 2011. Available online http://www.academicjournals.org/JSPPR

Evaluation of effect of organic fertilizer’s treatments and soil compaction on the qualitative traits of sport lawn in different seasons.

By: Soheila Javahery, Hossein Zarei, S. A. R. Movahedi Naeini, Gh. Roshani

Journal of Advanced Laboratory Research in Biology, 2011,

Leaf Area, Fresh Weight and Dry Weight Prediction Models for Ornamental Plants; Ficus Benjamina (Cv. Star Light).

By: F. Bidarnamani, H. Zarei, K. Mashayekhi and B. Kamkar

Journal of Advanced Laboratory Research in Biology, 2011 ([www.jalrb.com](http://www.jalrb.com))

The effect of different organic fertilizers in various compactness levels on some nutrients content of sport lawn

By:Soheila Javahery, Hossein Zarei, S. A. R. Movahedi Naeini, Gh. Roshani

Journal of Advanced Laboratory Research In Biology, 2011,

Propagation of Ficus benjamina var. Starlight by Stenting Technique under Different Concentration of IBA in Various Time of Taking Cutting.

H. Babaei, H. Zarei and K. Hemati

Journal of Ornamental Plants, [www.jornamental.com](http://www.jornamental.com), 2014. Vol. 4.

Study of bush feeding role with complete fertilizer and date of sowing in increasing broccoli yield in Mazandaran provience climate.

International of Journal of Farming and Allied science. January 2014.

Bentolhoda Asghari, Hossein Zarei, M. S. Khavari and P. Moradi

“Studies on vegetative propagation of *Rosa canina*”

Indian Journal of Horticulture. 2012. Vol. 64. Issue4.

Z. Izadi\*, H. Zarei and M. Alizadeh

The Regulating Effect of the Indole Butyric Acid and the Time of Stem Cutting Preparation on Peroliferation and growth of Damask Rose (native cultivar).

Mahsa Kashefi, Hossein Zarei and Farzaneh Bahadori

Journal of Ornamental Plants, Vol. 4, 49-55, Dec. 2014.

**National Conference:**

More than 120 Persian articles were presented/ postered in various national and international congress

**Additional Information**

Computing Skills: Knowledge of Windows 7&8 and 10.

Good Knowledge of Office 2010-2019

Good English Ability (IELTS 7)

International Driving License