

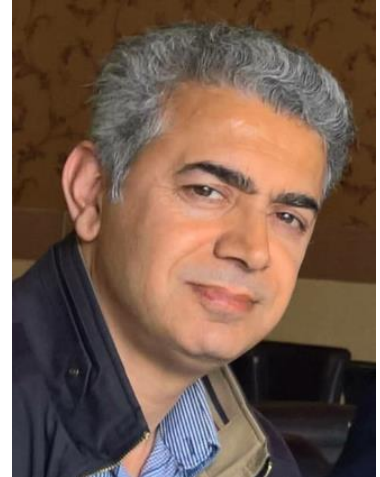
Hossein Zarei

Date of Birth: 10.06.1968

Nationality: Iranian

<https://www.linkedin.com/in/hossein-zarei-1bb294325/>
<https://scholar.google.com/citations?user=xklyOd4AAAAJ&hl=en>

ORCID identifier: 0000-0002-2792-9480

**Education and Qualifications:**

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 APL, Newcastle University, United Kingdom. 2007

MSc: Horticulture (Plant Nutrition and Environmental Pollutions) Tarbiat Modares University, Tehran, Iran, 1994

BSc: Horticulture, Shiraz University, Shiraz, Iran, 1991

Current Occupation: Associate Professor, Faculty member of 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)

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 2007:

Park and Garden Design

Floriculture

Lawn and Ground Covers

Computer use in Horticultural

Ornamental Trees and Shrubs
Greenhouse management

Work experience:

Designer, Consultant, and Manager of GUASNR campuses from 2007 till 2024
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
Greenspace manager, closely working with the private sector (small park and yard design)

Publications

Translation of Three English books to Persian

Published Journal Articles, under my supervision):

Morphological traits and molecular fingerprinting for assessing biodiversity in native Iranian *Rosa persica* Michx. ex Juss
F Darabi, MK Sarmast, H Zarei, SJ Mousavizadeh
Genetic Resources and Crop Evolution, 1-17 2024

Exploring the impact of plant growth-promoting bacteria in alleviating stress on *Aptenia cordifolia* subjected to irrigation with recycled water in multifunctional ...
M Jozay, H Zarei, S Khorasaninejad, T Miri BMC Plant Biology 24 (1), 802 2024

Red LED light improved the vase life of cut rose flowers during cold storage
S Rezai, MR Sabzalian, A Nikbakht, H Zarei
Postharvest Biology and Technology 210, 112752

Evaluation of the combined use of auxin and nutrients for root stimulation in stem cuttings of *Ligustrum lucidum*
MN Ganji, S Majideh, H Zarei, M Khoshhal Sarmast, V Akbarpour
Journal of Plant Production Research 2024

Maximising CO₂ Sequestration in the City: The Role of Green Walls in Sustainable Urban Development. M Jozay, H Zarei, S Khorasaninejad, T Miri
Pollutants 4 (1), 91-116 2024
Multivariate analysis of *Rosa persica* Michx. ex Juss by morphological characters
F Darabi, MK Sarmast, H Zarei, SJ Mousavizadeh 2024

Maximising CO₂ Sequestration in the City
M Jozay, H Zarei, S Khorasaninejad, T Miri. 2024

Supplementary Top LED Lighting Improved Physiological Parameters and the Postharvest Life of Cut Rose Flowers
S Rezaei, H Zarei, A Nikbakht, MR Sabzalian
Journal of Plant Growth Regulation 43 (1), 122-134

Zarei, H., Asadi, N., Hashemi Petrodi, H. R., & Mousavizade, S. J. (2023). Evaluation of Morphological and Anatomical Features of Iranian *Galanthus transcaucasicus*. International Journal of Horticultural Science and Technology, 10(4), 405-420.

Abshahi, M., García-Morote, F. A., Zarei, H., Zahedi, B., & Nejad, A. R. (2022). Improvement of Rooting Performance in Stem Cuttings of Savin Juniper (*Juniperus sabina* L.) as a Function of IBA Pretreatment, Substrate, and Season. Forests, 13(10), 1705.

Abshahi, M., Zarei, H., Zahedi, B., García-Morote, F. A., & Nejad, A. R. (2022). Secondary metabolite changes in Maymars juniper cuttings (*Juniperus sabina*) under different treatments of propagation (IBA, substrate and harvest time of cutting). Advances in Horticultural Science, 36(3).

Asadi, N., Zarei, H., Hashemi-Petroudi, S. H., & Mousavizadeh, S. J. (2021). Micropropagation and assessment of somaclonal variation in *Galanthus transcaucasicus* in vitro plantlets. Ornamental Horticulture, 27, 505-515.

Babarabie, M., Zarei, H., & Eskandari, A. (2019). The impact of pre-harvest treatment with gamma-aminobutyric acid (GABA) and salicylic acid on vase life and post-harvest traits of tuberose cut flowers. Acta Scientiarum Polonorum Hortorum Cultus, 18(4), 83-92.

Abshahi, M., Zarei, H., & Rezayee Nejjhad, A. (2019). Study on the season of cutting, substrate and coconut juice on the rooting of Maymars juniper cuttings. Journal of Plant Production Research, 26(2), 15-28.

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 BabarabieHossein Zarei and Feryal Varasteh
Iranian Journal of plant physiology 2016

Potential of increasing the vase life and improvement of some physiological haracteristics
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
Cumhuriyet University of Science 2014

Effect of Different Concentrations of IBA and Time of Taking Cutting on Rooting, Growth and Survival of *Ficus binnendijkii* 'Amstel Queen' Cuttings
Hamed Babaie Hossein Zarei Khodayar Hemmati
Notulae Scientia Biologicae 2014

Study of bush feeding role with complete fertilizer and date of sowing in increasing broccoli yield in Mazandaran province climate
Bentolhoda Asghari, Hossein Zarei, M. S. Khavari, P. Moradi
International of Journal of Farming and Allied science 2014

Evaluation of Propagation of Chinese Hibiscus (*Hibiscus rosa-sinensis*) through Stenting Method in Response to Different IBA Concentrations and Rootstocks
Zeinab Izadi*, Hossein Zarei
American Journal of Plant Sciences 2014

Effect of time, cultivar and rootstock on success of rose propagation through stenting technique
Zeinab Izadi*, Hossein Zarei, Mahdi Alizadeh
American Journal of Plant Sciences 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 (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)

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, 2014. Vol. 4.

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

Ai knowledge, working with ChatGPT, and some other graphic and text ai

Working with 3D Real-time Landscape Design(2023) and Lumion12

Good Knowledge of Office 2010-2023

Good English Ability (IELTS 7)

International Driving License