



PERSONAL INFORMATION:

Full Name: Azim Ghasemnezhad

Nationality: Iranian

Academic Level: Associated professor

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EDUCATION:

High School: Agricultural school, Lahijan, Iran

College: University of Tehran, Bachelor, Iran

Graduate: University of Tehran, Master, Iran

Post-graduate: JLU University, Giessen, Germany

Field of work: Medicinal and aromatic plants production and quality analysis

RESEARCH INTEREST:

Changes in secondary metabolites in vitro

Elicitors and their role in accumulation of secondary metabolites

Endophytes and their role in secondary metabolite biosynthesis

PUBLICATION:

- 1- Honermeier B., Ghasemnezhad A., Beiten S., 2005. Effect of autumn and spring sowing time on evening primrose seed oil quality and quantity, *Journal of Medicinal and Spice plants*. 4; 187-193.
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- 11- Rezazadeh A, Ghasemnezhad A, Barani M, 2012. Effect of salinity on phenolic composition and antioxidant activity of Artichoke (*Cynara scolymus*) leaves. *Research Journal of Medicinal plant* 6(3) 245-252.
- 12- Ghasemnezhad A., Honermeier B., 2012. The seed yield and the seed quality of desiccated and non-desiccated evening primrose (*Oenothera biennis* L.). *Journal of medicinal plants and By- products*, 1: 59-65
- 13- Nejadhoseinh S.A., Nasrolanejad, Dordipour E., Ghasemnezhad A., 2013. Effect of calcium dinitrate, potassium nitrate and salicylic acid on nicotin content of Tobacco leaves infected by PVY, *International Journal of AgriScience*, 3(1):37-46
- 14- The phytochemical changes of violet flowers (*Viola cornuta*) response to exogenous salicylic acid hormone, *Journal of Chemical Health Risks*, 3(4), 2013
- 15- Yield and Antioxidant Activity of Artichoke Leaves (*Cynara scolymus* L.) Affected by some Agronomical Factors in Golestan Province of Iran, *Journal of Medicinal Plants and By-products* (2014) 1: 27-33
- 16- Assessment of some phenolic acids of artichoke callus under in vitro conditions, *Iranian Journal of Plant Physiology*, Vol (4), No (4)

- 17-Effect of Magnetic Salinated Water on some Morphological and Biochemical Characteristics of Artichoke (*Cynara scolymus* L.) Leaves, 2014. Journal of Medicinal Plants and By-products 2: 21-26
- 18-Changes in Chlorophyll Content, External Quality Characters, Dry Weight and Vase Life of *Strelitzia* (*Strelitzia* spp.) Leaves Affected by Different Preservative Solutions, 2014. Journal of Plant Physiology and Breeding 2014, 4(2): 1-8
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- 20-Effect of explants types, culture media and concentrations of plant growth regulator on callus induction rate in Artichoke (*Cynara scolymus* L.), 2014. International Journal of Biotechnology Research Vol. 2(6), pp. 070-074
- 21-Assessment of essential oil constituents and main agromorphological variability in *Satureja mutica* populations, Brazilian Journal of Botany, 2015 online available
- 22-An approved protocol for *cynara scolymus* and *momordica charantia* seed surface sterilization for pre-explant in-vitro culture using *allium* extract, 2015, Journal of Biology and Nature 4(1): 47-55
- 23-In vitro estimation of antioxidant compounds of artichoke (*Cynara scolymus* L.) as affected by methyl jasmonate and salicylic acid, 2015. Journal of Chemical and Pharmaceutical Research, , 7(12):991-996
- 24-In vitro estimation of antioxidant compounds of artichoke (*Cynara scolymus* L.) as affected by methyl Jasmonate and salicylic acid, Journal of Chemical and Pharmaceutical Research, 2015
- 25-A Ghasemnezhad, M Rahimbareshi, M Alizadeh, A Yamochi, 2015. Study the effect of salt stress on antioxidant compounds of artichoke under invitro conditions, Ethno-Pharmaceutical Products
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- 27-S Samadi, A Ghasemnezhad, S Naz, J Imani, 2015. An approved protocol for *Cynara scolymus* and *Momordica charantia* seed surface sterilization for pre-explant in-vitro culture using *Allium* extract, Journal of Biology and Nature, 47-55
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- 29-N Ghorbani, H Moradi, V Akbarpour, A Ghasemnejad, 2016. Effect of salicylic acid hormone on violet (*viola cornuta*) ornamental and phytochemical attributes under phosphorus nano-fertilizer, Journal of plant process and function 4 (14), 139-150
- 30-E Karimi, A Ghasemnezhad, J Hadian, M Ghorbanpour, 2016. Assessment of essential oil constituents and main agro-morphological variability in *Satureja mutica* populations, Brazilian Journal of Botany 39 (1), 77-85
- 31-M Abshahi, H Zarei, A Ghasemnezhad, M Aghdasi, 2016. Gibberellic Acid (GA3) and Benzyl Adenine (BA) Effects on the Vase Life of Cycad's Cut Foliage. Journal of Ornamental & Horticultural Plants 6 (1)

- 32-S Samadi, A Ghasemnezhad, J Imani, 2016. Extending shelf life of strawberry using some pre-storage treatments, VIII International Strawberry Symposium 1156, 643-652
- 33-O Sohrabi, A Ghasemnezhad, A Nadimi, M Shahbazy, 2017. Seed oil quality of GA3 induced flowering evening primrose (*Oenothera biennis* L.). *Plant Physiology* 7 (2), 1971-1981
- 34- J Ehsani, M Mohsenzadeh, M Khomeiri, A Ghasemnejad, 2016. An overview on the importance of inulin dietary fiber extraction from plant sources.
- 35-A Ziaratban, M Azadbakht, A Ghasemnezhad, 2017. Modeling of volume and surface area of apple from their geometric characteristics and artificial neural network, *International Journal of Food Properties* 20 (4), 762-768
- 36-S Zamani, A Ghasemnezhad, S Ebrahimi, M Fathi, 2018, evaluation the growth potential of artichoke (*synara scolymus* l.) and milk thistle (*sylibum marianum* l.) in petroleum-contaminated soil. *Journal of chemical health risks (JCHR)* 8 (1), 39-50.
- 37-J Ehsani, M Mohsenzadeh, M Khomeiri, A Ghasemnezhad, 2017. Chemical Characteristics, and Effect of Inulin Extracted from Artichoke (*Cynara scolymus* L.) Root on Biochemical Properties of Synbiotic Yogurt at the End of Fermentation, Iran. *J. Chem. Chem. Eng. Research Article* Vol 37 (2).
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- 48-A Ghasemnezhad, MK Aghaei, M Ghorbanpour, 2019. The Importance of Iranian Borage (*Echium amoenum* Fisch. Mey): A Critical Review, *Medicinal Plants*, 51-57
- 49-B Rezaee, A Ghasemnezhad, E Zeinali, 2019. A Study on the effect of moist-chilling and GA3 application on evening primrose (*Oenothera biennis* L.) seed germination, *Iranian Journal of Plant Physiology* 9 (4), 2931-2941
- 50-H Sabourifard, A Ghasemnezhad, K Hemmati, A Hezarjaribi, M Bahrami, 2019. Performance evaluation of Artificial Neural Networks to estimate, summer savory (*Satureja hortensis* L.) essential oil yield based on the easily available soil properties, *Journal of Plant Production Research* 26 (2), 47-58
- 51-M Salmalian, A Ghasemnejad, K Mashayekhi, The effect of salicylic acid, methyl jasmonate and NaCl stimulants on biochemical compounds of stevia's callus in solid and liquid media, *Iranian Journal of Medicinal and Aromatic Plants Research* 35 (5), 731-744.
- 52-A Forouzi, A Ghasemnezhad, R Ghorbani Nasrabad, 2019. Effects of growth stimulator microbes on growth and ions concentration of stevia under salinity stress conditions, *International Journal of Horticultural Science and Technology* 6 (2), 217-236
- 53-M Khorsandi Aghaei, A Ghasemnezhad, SJ Mousavizadeh, 2019. Karyotype analysis in some accessions of Iranian borage (*Echium amoenum*), *Journal of Plant Physiology and Breeding* 9 (2), 57-66
- 54-A Jondoagheleboob, A Ghasemnezhad, K Rahnama, M Khoshhal Sarmast, 2019. In vitro study of two species of yew tree in terms of endophytic diversity and paclitaxel variation, *Iranian Journal of Plant Biology* 11 (4), 53-66
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- 56-A Ghasemnezhad, A Ghorbanzadeh, MK Sarmast, M Ghorbanpour, 2020. A Review on Botanical, Phytochemical, and Pharmacological Characteristics of Iranian Junipers (*Juniperus* spp.), *Plant-Derived Bioactives*, 493-508
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- sabina L. branches in different habitats of Mazandaran and Golestan provinces, *Eco-phytochemical Journal of Medicinal Plants* 7 (4), 15-33
- 60-F Samadi, A Khosravi, A Ghasemnejad, J Asadi, 2020. Inhibition of Growth and Migration of Esophageal Squamous Cell Carcinoma Cells by Orange Peel Extract and Naringin. *Medical Laboratory Journal* 14 (2), 31-35
- 61-S Talebi, M Alizade, SS Ramezanzpour, A Ghasemnezhad, 2020. Study of morphological characteristics of different Berberis. spp genotypes in northeast of Iran, *Journal of Plant Production Research* 27 (1), 75-91
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- 63-A Forouzi, A Ghasemnezhad, RG Nasrabad, 2020. Phytochemical response of *Stevia* plant to growth promoting microorganisms under salinity stress, *South African Journal of Botany* 134, 109-118
- 64-F Noshad, A Asghari, M Azadbakht, A Ghasemnezhad, 2020. Comparison of different Magnetic Resonance Imaging (MRI) protocols from Quince fruit, *Iranian Journal of Biosystems Engineering* 51 (3), 539-549
- 65-M Rivandi, A Ghasemnezhad, 2020. Investigation on the effect of salinity and bicarbonate of irrigation water on flowers yield and yield components of saffron under field conditions, *Journal of Saffron Research* 8 (2), 241-253
- 66-A Ghasemnezhad, A Frouzy, M Ghorbanpour, O Sohrabi, 2021. Microbial Endophytes: New Direction to Natural Sources, *Endophytes: Mineral Nutrient Management*, Volume 3, 123-155
- 67-A GHASEMNEZHAD, M AHMADI, 2021. Evaluation of the biochemical changes in stevia leaves affected by storage time, cultivation region, and packaging type, *ELECTRONIC JOURNAL OF FOOD PROCESSING AND PRESERVATION* 12 (2), 67-80
- 68-M Sanei, A Ghasemnezhad, K Ghorbani, MAR Sadeghi, SM Masoumi, 2021. Evaluation of environmental parameters effect on the antioxidant activity of medicinal plants in paveh and ormanat regions, *JOURNAL OF PLANT PRODUCTION (JOURNAL OF AGRICULTURAL SCIENCES AND NATURAL ...*
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- 70-M Rahimbareshi, A Ghasemnezhad, M Alizadeh, A Yamochi, 2021. Study the effect of salt stress on antioxidant compounds of artichoke under invitro conditions, *Graduate University of Advanced Technology* 2 (1), 45-51
- 71-A Bagherifard, A Ghasemnezhad, A Bagheri, M Barani Motlagh, 2021. Evaluation of Artichoke (*Cynara scolymus* L.) Plant Quality under Irrigation by Magnetized Water, *Graduate University of Advanced Technology* 2 (1), 38-44
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- physiological factors of artichoke leaves in fluidized bed dryer. Iranian Food Science & Technology Research Journal 17 (6)
- 74-M Rivandi, A Ghasemnezhad, K Ghorbani, 2022. Prediction of Saffron Flower and Stigma Yield Based on the Physical and Chemical Properties of Water and Soil Using Linear Multivariate Regression Models and M5 Decision Tree, Journal of Saffron Research 9 (2), 367-352
- 75-O Sohrabi, H Samizadeh, A Ghasemnezhad, A Hatamzadeh, 2022. Study of the effect of extracts of some growth stimulants on growth of Tomato (*Solanum lycopersicom* L.) ex-vitro and in-vitro conditions, Journal of Vegetables Sciences 6 (1)
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- 78-S Talebi, M Alizadeh, A Ghasemnezhad, SS Ramezanpour, 2022. Characterization of some wild *Berberis* sp. genotypes distributed in northeast of Iran, Journal of Plant Physiology and Breeding
- 79-M Ahmadi, A Ghasemnezhad, M Ghorbanpour, 2022. Study on the Growth Behavior of Stevia Affected by Biotic and Abiotic Elicitors in Hydroponic Conditions, Journal of Crops Improvement 24 (3), 903-918
- 80-MA Ghezel, A Ghasemnezhad, K Hemmati, O Sohrabi, 2022. Effect of Foliar Application of Plant Extracts on the Growth Behavior and Quality of Evening Primrose (*Oenothera biennis* L.), International Journal of Horticultural Science and Technology 9 (4), 393-403
- 81-M Ashnavar, A Ghasemnezhad, M Khoshhal Sarmast, K Rahnama, 2022. Molecular and morphological identification of endophytic fungi isolated from aerial parts of yew tree, Journal of Plant Molecular Breeding

ACADEMIC TEACHING EXPERIENCE:

- 1- Medicinal plants
- 2- Propagation of plants
- 3- Plant anatomy and physiology
- 4- Physiology of medicinal plants
- 5- Principles of Horticulture

SERVICE AND PROFESSIONAL MEMBERSHIP:

- Iranian Horticultural Science Association
- Iranian Medicinal Plants Association
- Islamic Republic of Iran Scholarship for Ph.D

LANGUAGES:

- Farsi
- English
- German (unofficial)



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