



Shahla Hashemi shahraki

Assistant Professor

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Education

- ✓ B.Sc, Plant Biology,Urmia University - 2007
- ✓ MS, Plant Biology,Shahid Bahonar University of Kerman - 2010
- ✓ PhD, Plant Biology,Shahid Bahonar University of Kerman - 2016
- ✓ PhD, Plant Biology,Shahid Bahonar University of Kerman - 2016

Courses

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|---|---|
| 1. Ecology | 2. Ecology Action |
| 3. Principles of Botany Laboratory | 4. Biological Tests |
| 5. Biological Laboratory | 6. Plant morfology and Anatomy |
| 7. 222 | 8. Plant Professional English Text |
| 9. Plant tissue and cell Calture | 10. Principles of Ecology |
| 11. Plant Morphology and Anatomy Laboratory | 12. Principles and methods in Plant Systematics |
| 13. Plant Physiology 3 | 14. Plant Ecology |
| 15. Plant Ecology laboratory | 16. Principles of Botany |
| 17. Plant and Environmental | 18. seminar |
| 19. Plant vegetative propagation | 20. Plant morphology |
| 21. Application of Biotechnology in Plants | 22. Plant Vegetative Propagation |
| 23. Advanced plant ecophysiology | 24. Field and Laboratory Exercises in Plant Ecology |
| 25. Greenhouse and plant breeding | 26. Plant Morphology Laboratory |
| 27. Advanced Plant Ecophysiology | 28. Plant Morphology and Anatomy Laboratory |
| 29. Plant Systematics1 Laboratory | 30. General Biology |

Master Thesis

1. The effect of tryptophan in Cichorium intybus plant in the presence of hydrogen peroxide under salt stress

فهمیه شاهرویدی, [Alireza Einali, Shahla Hashemi shahraki, Samaneh Eskandarpour]

نیمسال دوم سال تحصیلی 1402-1403

2. Effect of tryptophan and arginine in safflower plant under salt stress

راضیه خسروی, [Alireza Einali, Shahla Hashemi shahraki, Samaneh Reiszadeh Jahromi, Fatemeh Sargazi, Malihe Mohammadi]

نیمسال اول سال تحصیلی 1402-1403

3. Effect of proline and ascorbic acid in safflower plant under salt stress

فریبا نیکنفس میری, [Alireza Einali, Shahla Hashemi shahraki, Samaneh Reiszadeh Jahromi, Fatemeh Sargazi, Malihe Mohammadi]

نیمسال اول سال تحصیلی 1402-1403

4. Investigating the antioxidant activities of cactus plant (Opuntia stricta) and its extract effect on the growth and physiological activities of chamomile

محدثه کیمیایی, [Shahla Hashemi shahraki, Alireza Einali, Malihe Mohammadi, Fatemeh Sargazi, Nasim Naeimi]

نیمسال اول سال تحصیلی 1401-1402

5. The effect of zinc oxide nanoparticles on Lepidium sativum L. in the presence of hydrogen peroxide treatment

شیما ایرندگانی, [Alireza Einali, Shahla Hashemi shahraki, Fatemeh Sargazi, Malihe Mohammadi, Nasim Naeimi, Samaneh Eskandarpour]

نیمسال دوم سال تحصیلی 01-00

6. The effect of Juniperus excelsa extract on growth and physiological characteristics of Lepidium

مهدیه کرد, [Shahla Hashemi shahraki, Alireza Einali, Fatemeh Sargazi, Malihe Mohammadi, Samaneh Reiszadeh Jahromi]

نیمسال دوم سال تحصیلی 01-00

7. The effect of phenylalanine on reducing the effects of zinc oxide nanoparticles in Lepidium sativum L.

منیره امنی خوش, [Shahla Hashemi shahraki, Alireza Einali, Fatemeh Sargazi, Samaneh Reiszadeh Jahromi, Malihe Mohammadi]

نیمسال دوم سال تحصیلی 01-00

8. Green synthesis of Iron nanoparticles using Ferula haussknechtii and Ferula persica extracts

سوما سرافراز, [Malihe Mohammadi, Shahla Hashemi shahraki, Samaneh Reiszadeh Jahromi, Fatemeh Sargazi, Nasim Naeimi]

نیمسال دوم سال تحصیلی 01-00

9. Effects of salinity stress on Lepidium sativum in the presence of phenylalanine treatment

نرگس قیمتی, [Shahla Hashemi shahraki, , Alireza Einali, Malihe Mohammadi, Fatemeh Sargazi]

نیمسال اول سال تحصیلی 01-00

Journals Papers

2024

1. Beneficial role of Coronatine on the morphological and physiological responses of Cress Plants (*Lepidium sativum*) exposed to Silver Nanoparticle

Shahla Hashemi shahraki, Fereshteh Mohamadhasani Javar, Babak Jamali, Fatemeh Sargazi

Botanical Studies Volume: (65) 17-1 - 17-14

2. The biochemical and growth-associated traits of basil (*Ocimum basilicum* L.) affected by silver nanoparticles and silver

Shahla Hashemi shahraki, Tayebbeh Ahmadi, Babak Jamali, Mehdi Rahimi

BMC PLANT BIOLOGY Volume: (24) 92-1 - 92-10

2023

3. Quantitative and Qualitative Phytochemical Analysis of Manilkara zapota (Sapodilla) Extract and Its Antibacterial Activity on Some Gram-Positive and Gram-Negative Bacteria

Shahla Hashemi shahraki, Fereshteh Mohamadhasani Javar, Mehdi Rahimi

Scientifica Volume: (2023) 1 - 6

2022

4. Increase of growth parameters, pigmentation and some primary compounds in *Lepidium sativum* L. seedlings under salinity stress using β -carotene and Gallic acid

Marziyeh Babaei, leila shabani, Shahla Hashemi shahraki

Volume: (34) 6 - 23

5. Iron oxyhydroxide nanoparticles: green synthesis and their cytotoxicity activity against A549 human lung adenocarcinoma cells

Hamed Sadeghi, Hajar Q. Alijani, Shahla Hashemi shahraki, Mahin Naderifar, Seyedeh-Sharifeh Rahimi,

RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI Volume: (33) 461 - 469

6. Improving the effects of salt stress by beta-carotene and gallic acid using increasing antioxidant activity and regulating ion uptake in *Lepidium sativum* L

Marziyeh Babaei, Leila Shabani, Shahla Hashemi shahraki

Botanical Studies Volume: (63) 22-1 - 22-10

7. Molecular diversity of *Sargassum* populations from Oman Sea coasts

Fatemeh Sargazi, Shahla Hashemi shahraki

The Iranian Journal of Botany Volume: (28) 176 - 181

2021

8. Evaluation the Effect of Coronatine Pretreatment on Zinc Oxide Stress Synthesized by Olive on Soybean plant

Shahla Hashemi shahraki, fereshteh Mohamadhasani

Volume: (34) 146 - 167

Conferences Papers

2023

1. Investigating the effect of aqueous and alcoholic extracts of juniper on some physiological characteristics of *Lepidium sativum*

The 3rd National Conference on New Biology Findings

Mahdia Kord, Shahla Hashemi shahraki, Alireza Einali

3. A review of the interaction between rare earth elements (REEs) and plants

4. A review of the interaction between cerium (Ce) and plants

Malihe Jahani, Shahla Hashemi shahraki, Sedighe Jahani

2022

5. Growth and Physiological Responses of Three Soybean (*Glycine Max L.*) Cultivars to Exogenous Methyl Jasmonate

6. Radical scavenging activity of three soybean cultivars

Shahla Hashemi shahraki

7. Relationship between secondary metabolites in plants and abiotic stress signals

Shahla Hashemi shahraki

2021

8. Synthesis of green nanoparticles using plant extracts

2nd National Conference on New Biological Findings

Shahla Hashemi shahraki

9. Investigation of phenylalanine on some growth parameters and chlorophyll of bell pepper (*Capsicum annuum*)

2nd National Conference on New Biological Findings

Shahla Hashemi shahraki

Executive activities

مشاوره دانشجویان کارشناسی

from 1402/11/21 - to 1403/04/04

مشاوره دانشجویان کارشناسی

from 1402/07/01 - to 1402/11/05

Research Project

2023

1. Investigating the effect of *Spirulina platensis* algae extract on growth and biochemical parameters o

Shahla Hashemi shahraki - 2023

2. Producing the powder of the fruit of the medicinal plant *Cactus Opuntia* for the preparation of soap

Shahla Hashemi shahraki - 2023