



PERSONAL INFORMATION **Narges Hatami**



Research Institute of Forests and Rangelands, Tehran, Iran.

(98) 21 44787282-5

narges.hatami5579@gmail.com



Work Experience

2008-2023

Faculty member (assistant professor) in" Payame Noor University," , Tehran, Iran

2023 - Now

Faculty member (assistant Research professor), Research Institute of Forests and Rangelands, Tehran, Iran

Duties:

2008-2023

- Teaching specialized courses in the fields of Agriculture and Plant Biology.
- Director of Academic Affairs, Payame Noor University
- Head of the Provincial Scientific Department, Payame Noor University, Tehran
- Head of the Scientific Group for Region 8 (Kerman, Sistan and Baluchestan, and Bandar Abbas Provinces)

2023 - Now

- Research and study on forest and rangeland diseases

Professional Training

2008

Participation in numerous workshops on academic writing and research methodology at Payame Noor University

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Specialized training courses for university teaching at Payame Noor University

Now

Training courses in time management

EndNote software training Basic and advanced bioinformatics training

Education

2009 - 2014

Tarbiat Modares University, Tehran, Iran: Ph.D. in Entomology, Physiology-Botanical pesticide.

Thesis Title: Effect of two Phytoecdysteroidal extracts and their nano-encapsulated formulation on diamondback moth, *Plutella xylostella* (Lep: Plutellidae). **Graduated with excellent degree.**

2005-2007

Tarbiat Modares University, Tehran, Iran: M.Sc. in Entomology, Biological Control.

Thesis Title: Temperature-dependent demography of *phytoseius plumifer* (Acari: Phytoseiidae) on two-spotted spider mite. **Graduated as Top student, GPA: 18.01, out of 20.**

2003- 2005

Zabol and Tehran University, Tehran, Iran: B.Sc. in Entomology (7 Semesters). **Graduated as Top student, GPA: 16.34, out of 20.**

Honors

Scientific Activities

- Application of biofungicides in the control of damping-off disease in greenhouse crops as a possible substitute for synthetic fungicides
- Fusarium rot in cucumber greenhouses
- Isolation and investigation of extracellular metabolites of *Streptomyces* sp. for biological control of *Fusarium subglutinans*, the causal agent of wilting in cucumber greenhouses
- The effect of different temperature and acidity conditions on antimicrobial metabolites of *Streptomyces* sp. isolates C-11 and C-26 against *F. subglutinans*
- Several physiological features of *Streptomyces* sp. isolate C-1 showing bioactivity against *Fusarium sambucinum* and *Verticillium dahliae*
- Damping-off disease in greenhouse cucumber in Iran
- Investigating biological control of soilborne *Streptomyces* sp. on *Phoma glomerata*
- Screening and isolation of Actinomycetes isolates in biological control of *Fusarium solani*, *F. moniliforme*, and *F. subglutinans*, the causal agents of root rot in greenhouse cucumber under in vitro conditions
- Morphological and phylogenetic study of arbuscular mycorrhizal fungi symbiotic with the roots of some medicinal plants in Kerman province
- Screening biological activities of soilborne *Streptomyces* sp. against several phytopathogenic fungi
- Investigation of mycorrhizal colonization of roots and uptake of some nutrients by roots in maize plants treated with some organic compounds and microbial inoculation
- Study of the symbiosis of arbuscular mycorrhizal fungi with some annual herbaceous medicinal plants and morphological identification of dominant species of these fungi in Kerman province
- Effect of mycorrhizal fungus combined with some microorganisms and chemical compounds on the performance of growth and photosynthetic indices of maize
- The effect of applying arbuscular mycorrhizal fungi along with some microorganisms and chemical compounds on the activity of antioxidant enzymes and phenolic compounds of maize plants under drought stress conditions
- Investigation of the microbial contamination process of Mazafati dates in ripening stages
- Different temperature, acidity and salinity conditions on the antagonistic properties of active actinomycete isolates against *Fusarium*
- Screening and isolation of *Streptomyces* sp. for biological control of *Fusarium* sp. under in vitro conditions
- The effect of different temperature, acidity and salinity conditions on the antagonistic properties of active actinomycete isolates against *Fusarium subglutinans*
- Investigation of some biochemical properties of *Streptomyces* sp. strain C1 against soilborne fungi *Verticillium dahliae* and *Fusarium sambucinum* under in vitro conditions
- Biocontrol of *Fusarium* wilt of greenhouse cucumber under greenhouse conditions
- Biological control of *Fusarium* disease using bacteria
- Evaluation of the resistance of three commercial cucumber cultivars to black root rot disease under greenhouse conditions

- Fusarium species identified in the mycoflora of Bam date
- Use of actinomycete (isolate C-26) against stem and root rot disease under greenhouse conditions
- Antifungal activity of some *Streptomyces* isolates against Fusarium wilt of cucumber
- Isolation and evaluation of extracellular enzyme production by soilborne actinomycetes for biological control of *Fusarium subglutinans*, the causal agent of cucumber greenhouse wilt disease
- The effect of arbuscular mycorrhizal fungi on nutrient uptake, some growth and physiological indices of scallion (*Allium fistulosum*)
- Biochemical reaction of resistant and susceptible flax genotypes to Fusarium wilt disease
- Investigation of the resistance of 12 flax genotypes (*Linum usitatissimum* L.) to Fusarium wilt disease based on the activity of biochemical enzymes
- Investigating the effect of arbuscular mycorrhizal fungi along with Fusarium infection on the growth parameters of onion under greenhouse conditions
- Study of biodiversity and colonization of arbuscular mycorrhizal fungi in the Kolah Ghazi protected area, Isfahan province
- Study of the effect of drought stress and two species of arbuscular mycorrhizal fungi on some morphological and physiological characteristics of tarragon plant
- Effect of inoculation of arbuscular mycorrhizal fungi in combination with growth-promoting bacteria on the growth and photosynthetic indices of two safflower cultivars

Completed Scientific Reports, Research and Technology Projects

- Investigation of the resistance of commercial cucumber cultivars to the causal agent of black stem rot disease
- Screening of actinomycete isolates isolated from the soils of Kerman province against pathogenic fungi of greenhouses in Kerman province
- Biological control of Fusarium disease using bacteria
- Study of pathogenic fungi of sugar beet
- Study of Fusarium pathogens of mango in Kerman province
- Study of date palm mycoflora in Kerman province
- Effect of inoculation of arbuscular mycorrhizal fungi in combination with growth-promoting bacteria on the growth and photosynthetic indices of two safflower cultivars

General Skills

Languages

Persian: Native

English: Moderate

Computer Literacy

Endnote

SPSS

SAS

Bioinformatics Software

Artificial Intelligence Software

Office (Word, Excel, PowerPoint)

Fields of Interests

Mycologia

Plant Pathology

Bio-control

Sustainable Agriculture

Plant Disease Management