Arash Honarmand

Contact Information

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- **Date of Birth:** May 23, 1989
- **Place of Birth:** Birjand, Iran
- **Nationality:** Iranian
- **Marital Status:** Single

Education

- **Post-Doctoral:** Azarbaijan Shahid Madani University of Tabriz, Iran
  - Department of Plant Protection
  - Project: part of Taxonomy of Phytophagous mites
  - Funding: Iran National Science Foundation and National Natural Science Foundation of China
  - Duration: January 2023 - January 2024

- **PhD in Entomology:** Ferdowsi University of Mashhad, Iran
  - Project: Study of species richness of Eriophyoidea mites in South Khorasan province
  - Duration: September 2015 - September 2021

- **MSc in Entomology:** Ferdowsi University of Mashhad, Iran
  - Project: Faunistic study of *Tetranychus* (Acari: Tetranychidae) mites and their predators in Khorasan Razavi Province
  - Duration: September 2012 - August 2015

- **BSc in Plant Protection:** Birjand University, Iran
  - Duration: September 2008 - August 2012

Research Experience

- **Military Service: Iran's National Elites Foundation**

  Iran's National Elites Foundation at Iranian Research Institute of Plant Protection, Khorasan Razavi Agricultural and Natural Resources Research and Education Center, AREEO, Mashhad, Iran. November 2021- January 2023
  Title of the Project " Evaluation of the fumigant toxicity of several plant essential oils on the saffron bulb mite, *Rhizoglyphus robini* (Acari: Acaridae) in laboratory conditions."

- **Research Visiting Fellow:** Dipartimento di Scienze del Suolo, della Pianta e degli Alimenti (Di.S.S.P.A.), Bari, Italy

  - Professor Enrico de Lillo laboratory
  - Focus: Eriophyid mites systematic
  - Duration: September 2018 – March 2019

Selected publications

Lotfollahi, P., **Honarmand, A**., Hashemi-Khabir, Z., & Xue, X. F. **(2023)**. Three new gall forming *Eriophyes* species (Acari: Eriophyidae) on rosaceous plants in Iran. *Systematic and Applied Acarology*, 28(8), 1429-1446.
DOI: 10.11158/saa.28.8.13

Honarmand, A. & Nateq Golestan, M. **(2023)**. Evaluation of the fumigant toxicity of several plant essential oils on the saffron stem mite, *Rhizoglyphus robini* (Acari: Acaridae) in laboratory conditions. *Saffron Agronomy and Technology*, *11*(2), 199-208. DOI:10.22048/jsat.2023.391164.1484 (In Persian)

Noei, J., & **Honarmand, A**. **(2021)**. Records of terrestrial parasitengone mites (Acari: Erythraeidae, Microtrombidiidae) ectoparasitic on grasshoppers from Khorasan Razavi province with new morphological data. *Plant Pest Research*, *10*(4), 15-26.
DOI: 10.22124/iprj.2021.4629 (In Persian)

Honarmand, A., Sadeghi-Namaghi, H., & de Lillo, E. **(2020)**. Seven new vagrant eriophyoid species (Acari: Eriophyoidea) from semi-arid and arid environment in East Iran. *Systematic and Applied Acarology*, *25*(12), 2190-2211.
DOI: 10.11158/saa.25.12.4

Honarmand, A., Sadeghi-Namaghi, H., & de Lillo, E. **(2020)**. Four new species (Trombidiformes: Eriophyoidea: Eriophyidae) and one new record of *Aceria* from arid and semi-arid areas in East Iran. *Systematic and Applied Acarology*, 25(5), 843-856.
DOI: 10.11158/saa.25.5.6

Honarmand, A., Sadeghi, H., & Fekrat, L. **(2014)**. (Brief report) The First Report of Occurrence of *Feltiella acarisuga* Vallot (Diptera: Cecidomyiidae) in Iran. Journal of Iranian Plant Protection Research, 28(3), 434-436.
DOI: 10.22067/jpp.v28i3.27134 (In Persian)

Skills and Activities

Sampling and field work led to my main interest in mites. I collected and identified *Tetranychus* species and their predators in the agricultural ecosystem of Mashhad, Iran, for my MSc project. We found *Feltiella acarisuga* as a specific predator of *Tetranychus* sp., (was new record for Iran). We also found a new record of eriophyoid mites for Iran. Based on these results, I started my PhD thesis on eriophyoid mites fauna in my home province (South Khorasan province; arid and semi-arid environment) and we found 26 new species of these tiny and amazing mites for the world. These new mites were reported in 8 articles from 2019 to 2020.

In military service, I worked on the most important pest of saffron in Iran (as researcher soldier; Iran's National Elites Foundation). Bulb mites (*Rhizoglyphus robini*) and Bacteria (*Burkholderia gladioli* pv. gladioli) are two factors that cause damage to saffron yeild in Iran. During this period, I learned how to rear bulb mites and wax moths in the laboratory, and how to culture *Burkholderia* and work with Clevenger apparatus. During this project, we evaluated the fumigant toxicity of several plant essential oils on bulb mites (LC50) (published; English abstarct) and against *Burkholderia gladioli* pv. gladioli (MIC and MBC) (unpublished).

I was a member of the executive committee of the 4th International Persian Congress of Acarology (2022) and also the winner of the first best oral presentation award (Mashhad, Iran). I have also been reviewing the manuscripts for the PJA (Persian Journal of Acarology) for almost a year.

Now, I am working on identifying and reporting our new EMs species in the laboratory of Azarbaijan Shahid Madani University of Tabriz, Iran.