

## *CURRICULUM VITAE*

### ❖ *Personal details and contact information:*

**Name:** Hamid-Reza Pourian

Assistant Professor in Entomology

**Nationality:** Iranian

**Date and Place of Birth :**

Shahzand City, Markazi province (21 September 1981)

**Academic Address:**

Faculty of Agricultural Science, College of Agriculture & Natural  
Resources, Razi University, Kermanshah, Iran.

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**Appointment:** 80% Research, 20% Teaching

### ❖ *Educational Records:*

**B.Sc. in Plant protection:** Zanjan University, Iran, 2004

**M.Sc. in Entomology:** University of Tehran, Tehran, Iran, 2009

**Ph.D. in insect Ecology and Biocontrol** University of Tehran, Tehran, Iran, 2014

### ❖ *Courses Taught*

| <i>First semester</i>      | <i>degrees</i> | <i>Second semester</i>  | <i>degrees</i> |
|----------------------------|----------------|-------------------------|----------------|
| Stored product pest        | B.Sc.          | Field Crop Pests        | B.Sc.          |
| Ecology                    | B.Sc.          | Agricultural Entomology | B.Sc.          |
| Integrated pest management | B.Sc.          | Biological Control      | M.Sc.          |
| Insect pathology           | Ph.D.          |                         |                |

### ❖ *Professional Memberships*

Entomological Society of Iran, Since 2004

❖ **Research Interest**

Insect pathology (with entomopathogenic agents)

Tri-trophic interactions (Host-natural enemies-insecticides)

Insect Biological control,

Tri-trophic interactions (Host-natural enemies-entomopathogenic agents)

Insecticides risk assessment

❖ **Scientific Publications:**

**Research Articles**

- **Pourian, Hamid-Reza**, Reyhaneh Ezzati-Tabrizi, and Reza Talaei-Hassanloui. "An improved cage system for the bioassay of *Metarhizium anisopliae* on *Thrips tabaci* (Thysanoptera: Thripidae)." *Biocontrol Science and Technology* 18.7 (2008): 745-752. <https://doi.org/10.1080/09583150802290618>
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- **Pourian, H., et al.** "Functional response of *Orius albidipennis* preying on healthy and *Metarhizium anisopliae*-infected larvae and adults of *Thrips tabaci*." *Comparative Biochemistry and Physiology, Part A* 3.150 (2008): S93. <https://doi.org/10.1016/j.cbpa.2008.04.177>
- **Pourian, Hamid-Reza**, Majid Mirab-balou, Marzieh Alizadeh, and Szilvia Orosz. "Study on biology of onion thrips, *Thrips tabaci* Lindeman (Thysanoptera: Thripidae) on cucumber (var. Sultan) in laboratory conditions." *Journal of Plant Protection Research* 49, no. 4 (2009): 390-394. [10.2478/v10045-009-0061-x](https://doi.org/10.2478/v10045-009-0061-x)
- Ezzati-Tabrizi, Reyhaneh, Reza Talaei-Hassanloui, and **Hamid-Reza Pourian**. "Effect of formulating of *Beauveria bassiana* conidia on their viability and pathogenicity to the onion thrips, *Thrips tabaci* Lind.(Thysanoptera: Thripidae)." *Journal of Plant Protection Research* 49.1 (2009): 97. [10.2478/v10045-009-0013-5](https://doi.org/10.2478/v10045-009-0013-5)
- **Pourian, H. R.**, R. Talaei-Hassanloui, and A. Kharazi-Pakdel. "A laboratory investigation on virulence of *Metarhizium anisopliae* on *Thrips tabaci* (Thys.: Thripidae) and its predator, *Orius albidipennis* (Hem.: Anthocoridae)." *Journal of Entomological Society of Iran* 30.1 (2010). [http://jesi.areeo.ac.ir/article\\_105236.html](http://jesi.areeo.ac.ir/article_105236.html)
- Rashid, Marzieh, Ahmad Baghdadi, Aziz Sheikhi, **Hamid-Reza Pourian**, and Mehran Gazavi. "Compatibility of *Metarhizium anisopliae* (ascomycota: Hypocreales) with several

insectisides." Journal of Plant Protection Research 50, no. 1 (2010): 22. [10.2478/v10045-010-0004-6](https://doi.org/10.2478/v10045-010-0004-6)

- **Pourian, H-R.**, et al. "Effects of *Metarhizium anisopliae* on searching, feeding and predation by *Orius albidipennis* (Hem., Anthocoridae) on *Thrips tabaci* (Thy., Thripidae) larvae." Biocontrol Science and Technology 21.1 (2011): 15-21. <https://doi.org/10.1080/09583157.2010.517603>(Q2-JCR).
- Alizadeh, M., J. Karimzadeh, G. R. Rassoulzadeh, H. Farazmand, V. Hoseini-Naveh, and H. **R. Pourian**. "Sublethal effects of pyriproxyfen, a juvenile hormone analogue, on *Plutella xylostella* (Lepidoptera: Plutellidae): life table study." *Archives of phytopathology and plant protection* 45, no. 14 (2012): 1741-1763.
- <https://doi.org/10.1080/03235408.2012.706426>. (Q2-JCR).
- **Pourian, HAMID REZA**, et al. "Abundance and parasitism rate of larval and pupal parasitoids of Diamondback Moth, *Plutella xylostella* L.(Lepidoptera: Plutellidae) in four regions of Iran." *Iranian Journal of Plant Protection Science* 45.2 (2014). [10.22059/ijpps.2014.53503](https://doi.org/10.22059/ijpps.2014.53503)
- **Hamid-Reza Pourian**, Reza Talaei-Hassanloui, Ahmad Ashouri, Hossein-Ali Lotfalizadeh, Jamasb Nozari "Ontogeny and reproductive biology of *Diadegma semiclausum* (Hym.: Ichneumonidae), a larval endoparasitoid of Diamondback Moth, *Plutella xylostella* (Lep.: Plutellidae)." *Arthropod structure & development* 44.1 (2015): 69-76. <https://doi.org/10.1016/j.asd.2014.11.002>(Q1-JCR).
- Kalvandi, Elham, Alinaghi Mirmoayedi, Marzieh Alizadeh, and **Hamid-Reza Pourian**. "Sub-lethal concentrations of the entomopathogenic fungus, *Beauveria bassiana* increase fitness costs of *Helicoverpa armigera* (Lepidoptera: Noctuidae) offspring." *Journal of invertebrate pathology* 158 (2018): 32-42. <https://doi.org/10.1016/j.jip.2018.08.012>. (Q1-JCR).
- **Pourian, Hamid-Reza**, Mehdi Khoobdel, and Marzieh Alizadeh. "Stored-grains pests and their control with emphasis on military food warehouses in Iran: a review." *Journal of Military Medicine* 21.4 (2019): 313-324. <http://militarymedj.ir/article-1-2127-en.html>
- Mehdi Khoobdel, Hamid-Reza Pourian and **Marzieh Alizadeh**. "Bio-efficacy of the indigenous entomopathogenic fungus, *Beauveria bassiana* in conjunction with desiccant dust to control of coleopteran stored product pests." *Journal of Invertebrate Pathology* (2019): 107254. <https://doi.org/10.1016/j.jip.2019.107254>

- Baharak Mahmoudi, **Marzieh Alizadeh**, Hamid-Reza Pourian. Short-term effect of thiamethoxam on *Aphis gossypii* (Hemiptera: Aphididae) and its predator, *Orius albidipennis* (Hemiptera: Anthocoridae) through different exposure routes. *Biocontrol Science and Technology*. Volume 30 (2020), <https://doi.org/10.1080/09583157.2019.1707482>(Q1-JCR).
- Hadi Mehrmoradi , Samad Jamali, **Hamid-Reza Pourian**. Isolation and identification of entomopathogenic fungi from cultivated and natural soils in Kermanshah province (West of Iran). *Rostaniha* (2020), [10.22092/botany.2020.341369.1186](https://doi.org/10.22092/botany.2020.341369.1186)
- **Hamid-Reza Pourian**, Marzieh Alizadeh. Diatomaceous earth low-lethal dose effects on the fitness of entomopathogenic fungus, *Beauveria bassiana*, against two coleopteran stored product pests. *Journal of Stored Products Research*.**2021** (Q1-JCR)
- Baharak Mahmoudi-Dehpahni, Marzieh Alizadeh, **Hamid-Reza Pourian.**, 2021. Exposure Route Affects the Toxicity Class of Thiamethoxam for the Predatory Bug, *Orius albidipennis* (Hemiptera: Anthocoridae) by Changing Its Fitness. *J. Econ. Entomol.* 114, 684–693. <https://doi.org/10.1093/jee/toaa310>
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- Baharak Mahmoudi-Dehpahni, Marzieh Alizadeh, **Hamid-Reza Pourian**. Exposure Route Affects the Toxicity Class of Thiamethoxam for the Predatory Bug, *Orius albidipennis* (Hemiptera: Anthocoridae) by Changing Its Fitness. *Journal of Economic Entomology*. **2021** (Q1-JCR).
- Shahbazi, A., Marzieh Alizadeh, **Hamid-Reza Pourian** 2022. The joint action effects of bioprotective agents on life table indices of *Trogoderma granarium* Everts (Coleoptera: Dermestidae). *Biol. Control* 176, 105082. <https://doi.org/10.1016/j.biocontrol.2022.105082>

#### **International conferences (Full paper)**

- Baharak Mahmoudi, Marzieh Alizadeh, **Hamid-Reza Pourian**. Non-eco-friendly effects of thiamethoxam against the predatory bug, *Orius albidipennis* respecting to measurement  $\alpha$ -amylase enzymes activity. *Agriculture, Environment and Food security*. 2019/3- 638-642.
- Hadi Mehrmoradi , Samad Jamali, **Hamid-Reza Pourian**.The role of insect entomopathogenic fungi in pest control relies on their role in the maintenance and stability of agroecosystem. *Agriculture, Environment and Food security*. 2019/3- 1382-1386.
- Baharak Mahmoudi-Dehpahni, Marzieh Alizadeh, Hamid-Reza Pourian, Exposure Route **2021**. Affects the Toxicity Class of Thiamethoxam for the Predatory Bug, *Orius albidipennis* (Hemiptera:

Anthocoridae) by Changing Its Fitness, *Journal of Economic Entomology*, <https://doi.org/10.1093/jee/toaa310>

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### *Some selected international conferences*

- **Pourian H.R.** Talaei-Hassanloui, A. Kharazi-Pakdel and H. Allahyari. 2008. Functional response of *Orius albidipennis* preying healthy and infected to *Metarhizium anisopliae*-infected larvae and adults of *Thrips tabaci*. ***Society for Experimental Biology (SEB): Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 150, Issue 3, Supplement 1, Page, S93-S96.***
- **Pourian H.R.,** Talaei-Hassanloui R., A. Khrazi-pakdel and R. Ezzati-Tabrizi. **2008.** Effect of preying on *Metarhizium anisopliae*- infected onion *thrips* Larvae on some behavioral parameters of *Orius albidipennis*. ***Society of Invertebrate Pathology (SIP)***
- R. Talaei-Hassanloui, **H. Pourian**, R. Ezzati-Tabrizi. **2008.** A New Cage System for the Bioassay of Entomopathogenic Fungi on *Thrips tabaci* (Thysanoptera: Thripidae). ***Society for Experimental Biology (SEB). Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology, Volume 150, Issue 3, Supplement 1, Page, S112***
- **Hamid-Reza Pourian**, Talaei R, M. Alizadeh, Majid Mirab-balou. 2009. Laboratory investigation on the pathogenicity of *Metarhizium anisopliae* on *Thrips tabaci* and its predator, *Orius albidipennis*. *5th European Hemipteran Congress..*
- **Pourian, H.R.,** Talaei-Hassanloui, R., Mirab-balou, M and Alizadeh, M. **2009.** Laboratory investigation on the pathogenicity of *Metarhizium anisopliae* on *Thrips tabaci* and its predator, *Orius albidipennis* *5th EUROPEAN HEMIPTERA CONGRESS*
- **Pourian, H-R , R. Talaei-Hasanlouei and M. aldaghi. 2011.** Study of hyphal growth and sporulation relation with pathogenicity of *Metarhizium anisopliae* against *Thrips tabaci*. GLOBAL CONFERENCE ON ENTOMOLOGY (GCE) 2011
- Marzieh Alizadeh , Javad Karimzadeh, Gholam-Reza Rassoulia, Vahid Hosseini-Naveh, Hossein Farazmand, **Hamid-Reza Pourian.** 2011. Study of insecticide resistance and

Esterase activity of Sunn pest , *Eurygaster integriceps* Puton (Heteroptera: Scutelleridae). Global Conference on Entomology.

- Hosna Montazer-Saheb, Abas-Ali Zamani, **Hamid-Reza Pourian** .2015. Population fluctuations and spatial distribution of *Stephanitis pyri* (Hem. Tingidae) on walnut trees in Kermanshah region. 1st Iranian International Congress of Entomology (IICE).
- Mahmoudi-Dehpahni,, Baharak; Marzieh Alizadeh & **Hamid-Reza Pourian**.2018. Oral effects of thiamethoxam on biological parameters of predator, *Orius albidipennis* (Hem.: Anthocoridae) feeding on *Aphis gossypii* (Hem.: Aphididae), *20th National and 8th International Congress on Biology of Iran*, [COI code: BIOCONF20\\_181](#).
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- Afsaneh Shahbazi, Maryam Darbemamieh, Marzieh Alizadeh and **Hamidreza Pourian** .2019. First record of *Chelacaropsis moorei* genus and species (Trombidiformes: Cheyletidae) from Iran. The 3rd IICE, 2019.

#### **Some selected national conferences**

- Elham Kalvandy, Ali naghi mirmoayedi, Marzieh Alizadeh, **Hamid Reza Pourian**. Biological parameters of *Helicoverpa armigera* (Lep: Noctuidae) affected by sublethal concentrations of entomopathogenic fungus, *Beauveria bassiana*. *8th national conference on biological control in agriculture and natural resources*. **2017**.
- Mahmoudi-Dehpahni,, Baharak; Marzieh Alizadeh & **Hamid-Reza Pourian**. Recommendation to soil application of thiamethoxam in IPM of *Aphis gossypii* (Hem. Aphididae) by predator *Orius albidipennis* (Hem. Anthocoridae). *23th Iranian plant protection congress*. **2018**.
- Mahmoudi-Dehpahni,, Baharak; Marzieh Alizadeh & **Hamid-Reza Pourian**. Side effects of thiamethoxam through residue contact on predator in prey-predator system *Orius albidipennis*- *Aphis gossypii* Life table study). *23th Iranian plant protection congress*. **2018**.

#### ***Books***

- **Fruit Pests**. Fifth edition, 2017. Ilam University, 291pp. (In Persian).

#### ***Associate of the practical executive project:***

- Technical collaborator of the *Eurygaster integriceps* project in Tehran province under the supervision of the Plant Protection Clinic of the University of Tehran (2008)

- Cooperation with Iran Plant Protection Clinic (Karaj) in various projects of agricultural jihad in Tehran province (from April 2008 to 2011) .

**Skills and competence:**

- **Languages:**
  - English level (upper-intermediate)
  - Persian: fluent
  - Turkey: mother tongue
- **Computer Skills:**
  - Windows and Ms. Office (All versions)
  - Adobe Photoshop
  - Fluent in working with statistical software SYSTAT, SPSS (All versions)
  - Fluent in working with Insecticides statistical software (PloPlus, PoloMix, Compusyn)

**Some workshops:**

- I participated in the specialized workshop CABI information Training Course in 2011.
- Participating in the life table theory and Data Analysis workshop in 2014
- Participating in the workshop on how to work and extract data from GC-mass and HPLC 2018 devices
- Participating in Real-time PCR workshop: Principles and Applications of PCR and qPCR in 2012 & and 2022
- Participating in the virtual training course on "Principles and Applications of NMR Spectroscopy in Biomolecular Studies" 2022- Institute of Biochemistry and Biophysics (IBB). Tehran University.

**Reviewer of academic journals:**

- Biological control (Elsevier publication)
- Journal of crop protection-Iran

- Journal of Iranian Plant Protection Research
- Biological Control of Pests and Plant Diseases

**Ongoing projects (2020-2023):**

- Insecticidal activity of entomopathogenic fungi and diatomaceous earth on eco-physiological parameters of important stored products pest
- Bioecology of the false chinch bug, *Nysius cymoides* (Hemiptera: Lygaeidae), in canola fields of Kermanshah province and its control methods with new insecticides
- Genetic diversity of chickpea genotypes for tolerance to some herbicides and resistance against the pulse beetle (*Callosobruchus maculatus* L.)
- Mass rearing of *Lucilia sericata* Meigen (Diptera: Calliphoridae) maggots for debriding wounds

**Hamid R Pourian**



