

## **Mohammad Mahdi Rabieh**

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Department of Plant Protection  
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## **Educational History**

Ph.D. in Entomology from Shahid Chamran University of Ahvaz, Ahvaz, Iran  
(October 2009-June 2013).

Thesis title:

**Fauna of three subfamilies of Noctuidae (Lepidoptera) in Khorasan-e-razavi province and an allometric study on *Helicoverpa armigera*.**

M.Sc. in Entomology from Shahid Chamran University of Ahvaz, Ahvaz, Iran  
(October 2006-March 2009).

Thesis title:

**Laboratory investigation on pathogenecity of MbNPV and parasitism of *Habrobracon hebetor* on *Spodoptera exigua* (Lep.: Noctuidae) larvae**

B.Sc. in Plant Protection from Ferdowsi University of Mashhad, Iran (October 2002-September 2006).

## **Areas of Specialization and Research Interests**

- Insects Taxonomy and Classification
- Evolutionary Biology of Insects
- Insect Morphometrics
- Behavioral Study on Honeybee

## **Professional Positions**

- Reviewer (Referee) of **the Iranian Journal of Animal Biosystematics (Iran)**
- Reviewer (Referee) of **the Biological Journal of the Linnean Society (United Kingdom)**

- Reviewer (Referee) of **the Iranian Journal of Cotton Researches (Iran)**
- Reviewer (Referee) of **the Journal of Plant Protection (Iran)**
- Reviewer (Referee) of **the Journal of Horticulture and Postharvest Research (Iran)**
- Member of Entomological Society of Iran

### **Thesis Supervised**

- Allahverdi, M. (M.S.): Fauna of family Noctuidae (Lepidoptera) in Mashhad and suburbs. Institute of Higher Education, **Jahad Daneshgahi Khorasan Razavi, Kashmar.**
- Kalali Nia, S. H. (M.S. in progress): Moths of pomegranate orchards of Kashmar city and a morphometric and allometric study on the carob moth, *Ectomyelois ceratoniae*. Institute of Higher Education, **Jahad Daneshgahi Khorasan Razavi, Kashmar.**
- Jafari, M. (M.S.): Effects of food diet on some biological and morphometric factors in the grain moth. *Sitotroga cerealella* (Lepidoptera: Gelechiidae). Institute of Higher Education, **Jahad Daneshgahi Khorasan Razavi, Kashmar.**
- Alavi, S. (M.S.): Identification of *Catocala* (Lep.: Erebidae) species in oak forests of Khuzestan and study of sexual dimorphism and allometry in two species of the genus. **Shahid Chamran University of Ahvaz.**
- Zergani pour A. (M.S.): Identification of butterflies in some areas of Khuzestan and study of sexual dimorphism in *Pelopidas thrax* (Lep.: Hesperiidae). **Shahid Chamran University of Ahvaz.**

### **Research Presentations**

3rd Iranian International Congress of Entomology 17-19 September, 2019, University of Tabriz. First report of *Rhiza laciniosa* (Lepidoptera: Noctuidae) from Iran.  
Mohammad Mahdi Rabieh and Mohammad Saadati

3rd Iranian International Congress of Entomology 17-19 September, 2019, University of Tabriz. Effects of cypermethrin and diazinon on the gut  $\alpha$ -amylase activity in the rice weevil, *Sitophilus oryzae*. Mohammad Saadati and Mohammad Mahdi Rabieh

3rd Iranian International Congress of Entomology 17-19 September, 2019, University of Tabriz. Identification of up-regulated proteins after feeding in the gut of Sunn pest using proteomics technique. Mohammad Saadati and Mohammad Mahdi Rabieh

XXI European Congress of Lepidopterology, 3-6 June, 2019, University of Molise, Campobasso, Italy. Correcting of the identification of a sugarcane butterfly leaf eater in southwest Iran: *Pelopidas thrax* (Hesperiidae). Ahlam Zerganipour, Mehdi Esfandiari, Mohammad Mahdi Rabieh

XXI European Congress of Lepidopterology, 3-6 June, 2019, University of Molise, Campobasso, Italy. Sexual dimorphism in the wing shape and size of *Pelopidas thrax* (Lepidoptera, Hesperiidae). Ahlam Zerganipour, Mehdi Esfandiari, Mohammad Mahdi Rabieh

XXI European Congress of Lepidopterology, 3-6 June, 2019, University of Molise, Campobasso, Italy. Identification of butterflies of “Insect and Mite Collection of Ahvaz! at Shahid Chamran University of Ahvaz, Iran. Ahlam Zerganipour, Mehdi Esfandiari, Mohammad Mahdi Rabieh

9th National Conference of Iranian Society of Sugar Cane Technologists, 20-21 February, 2019, Shahid Chamran University of Ahvaz. Poster Presentation, Fauna of Eulophidae and Charipinae (Hym.: Figitidae) in the Sugar Cane fields of Khuzestan province. Amir Khadempour, Mohammad Mahdi Rabieh and Mohammad Saadati

2nd Iranian International Congress of Entomology 2-4 September, 2017, University of Tehran. Poster Presentation, Identification of aldose reductase in the gut of recurrent sunn pest, *Eurygaster integriceps* using proteomic technique. Mohammad Saadati and Mohammad Mahdi Rabieh.

2nd Iranian International Congress of Entomology 2-4 September, 2017, University of Tehran. Poster Presentation, Toxicity of fenitrothion and fenvalerate to confused flour beetle, *Tribolium confusum* (Col: Tenebrionidae). Mohammad Saadati and Mohammad Mahdi Rabieh.

22nd Iranian Plant Protection Congress 27-30 August 2016, University of Tehran, Karaj, Iran. Poster Presentation, Preliminary study on the fauna of Mantodea (Insecta) in Khorasan-e-Jonoubi, Iran. Authors: Mohammad Mahdi Rabieh, Azhin Rohani and Roberto Battiston.

First Iranian International Congress of Entomology, 29-31 August 2015, Tehran, Iran, Poster Presentation, Distribution of the genus *Euxoa* (Lepidoptera: Noctuidae) in the North-East of Iran, with a new record for the country. Authors: Mohammad Mahdi Rabieh, Mahnaz Allahverdi, Issa Jabaleh.

XVIII European Congress of Lepidopterology, 29 July – 4 August 2013, Blagoevgrad, Bulgaria. Poster Presentation, Male genital allometry in two noctuid species (Lepidoptera: Noctuidae). Authors: Mohammad Mahdi Rabieh, Mehdi Esfandiari, Ali Asghar Seraj, Abdolrahman Rasekh.

XVIII European Congress of Lepidopterology, 29 July – 4 August 2013, Blagoevgrad, Bulgaria. Poster Presentation, Faunistic study on Noctuinae, Hadeninae and Plusiinae (Noctuidae, Lepidoptera) of north-eastern Iran. Authors: Mohammad Mahdi Rabieh, Ali Asghar Seraj, Mehdi Esfandiari.

XVIII European Congress of Lepidopterology, 29 July – 4 August 2013, Blagoevgrad, Bulgaria, Poster Presentation, Review of the genus Eugnorisma Boursin, 1946 (Lepidoptera: Noctuidae, Noctuinae) in Iran with additions and corrections. Authors: Mohammad Mahdi Rabieh, Peter Gyulai, Ali Asghar Seraj, Mehdi Esfandiari.

20<sup>th</sup> Iranian Plant Protection Congress, 26-29 August 2012. Shiraz, Iran, Poster Presentation, New records of chloropid species from Iran (Dip., Chloropidae). Mahmoud Alikhani, Touraj Arkani, Mohammad Mahdi Rabieh, Mojtaba Taji and E. P. Nartshuk

20<sup>th</sup> Iranian Plant Protection Congress, 26-29 August 2012. Shiraz, Iran, Poster Presentation, New record of Sepsidae (Diptera) from Iran. Touraj Arkani, Mahmoud Alikhani, Mojtaba Taji and Mohammad Mahdi Rabieh  
First Iranian Acarology Congress, 26-27 December 2011, Kerman, Iran, Poster Presentation, Report of a parasitic mite of lizards, *Pimeliaphilus sharifi* (Acari: Pterygosomatidae) from Iran. Authors: Mohammad Mahdi Rabie and Dorna Saadat

IXth European Congress of Entomology, 22-27 August 2010, in Budapest, Hungary, Poster Presentation, Interaction between *MabrNPV* and the Braconid parasitoid *Habrobracon hebetor* (Hym.: Braconidae) on larvae of beet armyworm, *Spodoptera exigua* (Lep.: Noctuidae). Authors: Mohammad Mahdi Rabie, Ali Asghar Seraj, Reza Talaei-Hassanlou

18<sup>th</sup> Iranian Plant Protection Congress, 24-27 August 2008, Hamadan, Iran, Oral Presentation, A laboratory investigation to effect of *MbNPV* and Indoxacarb against the beet armyworm, *Spodoptera exigua* (Lep., Noctuidae) larvae. Authors: Mohammad Mahdi Rabie, Ali Asghar Seraj, Reza Talaei-Hassanlou, Hassan Rahimi

## Publications

Noei, J. & Rabieh, M.M. 2020. A new genus and species of larval Trombellidae ectoparasitic on moths from Iran. Systematic and Applied Acarology, 25(6): 1102-1112.

Ahram Zerganipour, Mehdi Esfandiari, Alireza Naderi & Mohammad Mahdi Rabieh 2019. Identification of the butterflies (Lepidoptera, Papilionoidea) in the IMCA (Insect and Mite Collection of Ahvaz) at Shahid Chamran University of Ahvaz, Khuzestan, Iran. Phegea, 47(4): 129-139.

Sousan Alavi, Mehdi Esfandiari & Mohammad Mahdi Rabieh 2019. Catocala Schrank species (Lepidoptera: Erebidae) in Iran with new distribution data. Entomologist's Monthly Magazine, 155: 179–186.

Noei, J. & Rabieh, M.M. 2019. New data on Nothrotrombidium, Southcottella and Eatoniana larvae (Acari: Trombellidae, Neothrombiidae, Erythraeidae) from Iran. Persian Journal of Acarology, 8(3): 179–187.

Rabieh M. M. 2018. Checklist of the family Noctuidae in great Khorasan province, North-east Iran. Entomofauna, 39(2): 681-695.

Rabieh M. M. 2018. Biodiversity of noctuid moths (Lepidoptera: Noctuidae) in the agroecosystems of Mashhad County. *Biodiversity International Journal*, 2(2): 147–151.

Shahreyari-Nejad, S.1, Esfandiari, M.1, Rasekh, A.1, Mossadegh, M.S.1, Shirvani, A. and Rabieh, M.M. 2017. First record of *Caradrina (Eremodrina) turcomana* Hacker, 2004 for Iran with a catalogue of the genus *Caradrina* Ochsenheimer, 1816 of Iran (Lepidoptera, Noctuidae). *Iranian Journal of Animal Biosystematics*, 13(2): 137-158.

Rabieh, M.M., Allahverdi, M., Jabaleh, I. and Esfandiari, M. 2016. First record of *Euxoa acuminifera* (Lepidoptera, Noctuidae) from Iran with new data on distribution of Euxoa species in north-east Iran. *Journal of Insect Biodiversity and Systematics*, 1 (2): 133–145.

Matov, A., M.M. Rabieh and M. Esfandiari. 2016. A list of *Drasteriodes* Hampson, 1926 species in Iran with a new record of *Drasteriodes kisilkumensis* (Ershov, 1874) (Lepidoptera: Noctuidae). *SHILAP, Revista de lepidopterologia*, 44 (173): 49-54.

Ravan, B., M. Esfandiari, M.S. Mossadegh and M.M. Rabieh. 2016. Introduction on moths of Noctuinae (Lep.: Noctuidae) from southern areas of Zagros in Khuzestan and Fars provinces. *Iranian Journal of Forest and Range Protection Research*, 13(2): 112-130. (in Persian)

Esfandiari, M., M.M. Rabieh, A. Matov and M.S. Mossadegh. 2015. A survey of Erebidae, Nolidae and Euteliidae (Lepidoptera) in Southern and Northeastern of Iran. *Redia*, 98: 77-92.

Noei, J., M.M. Rabieh and A. Saboori. 2015. First record of *Momorangia* (Acari: Erythraeidae) from Asia with description of a new species. *Systematic and Applied Acarology*, 20(7): 789–798.

Rabieh, M.M., M. Esfandiari, A. A. Seraj and R. Bonduriansky. 2015. Genital and body allometry in two species of noctuid moths (Lepidoptera: Noctuidae). *Biological Journal of the Linnean Society*, 116: 183–196.

Arkani, T., M. Alikhani, M.M. Rabieh, A.A. Karahroodi and R. Mahdavi. 2015. Faunistic study of families Tephritidae and Tachinidae (Diptera) in Arak region and suburb, Iran. *Journal of Entomological Research*, 6(1): 118-124.

Gyulai, P., M.M. Rabieh, A.A. Seraj, L. Ronkay, M. Esfandiari. 2013. *Anagnorisma chamrani* sp. n. (Lepidoptera, Noctuidae) from Iran. *ZooKeys*, 317: 17–25.

Rabieh, M.M., S. Prescher. M. Alikhani, T. Arkani. 2013. Review of scuttle flies (Diptera: Phoridae) from Iran with new records for Iran and Asia. *Studia Dipterologica*, 20(1): 23-30.

Rabieh, M.M., M. Esfandiari and A.A. Seraj. 2013. A contribution to the fauna of subfamilies Metoponiinae, Bryophilinae and Xyleninae (Lepidoptera: Noctuidae) in NE Iran. *Iranian Journal of Animal Biosystematics*, 9(1): 1-16.

Rabieh, M.M., A.A. Seraj and M. Esfandiari. 2013. Contribution to the noctuid fauna of NE Iran: Noctuinae, Hadeninae and Plusiinae (Lepidoptera), with additions to the Iranian fauna. *Phegea*, 42 (1): 14-21.

Rabieh, M.M., A.A. Seraj, P. Gyulai and M. Esfandiari. 2013. Checklist of the genus *Eugnorisma* Boursin, 1946 of Iran with new records and distributional data (Lepidoptera: Noctuidae, Noctuinae). *SHILAP, Revista de Lepidopterologia*, 41(163): 399-413.

Rabieh, M.M., M. Esfandiari, A.A. Seraj and H. Rajaei Sh. 2013. A new record of *Chersotis curvispina* Boursin, 1961 (Lepidoptera: Noctuidae) in Iran. *Zoology and Ecology*, 23(2): 111 - 114.

Alikhani M., T. Arkani, M.M. Rabieh, M. Taji and E.P. Nartshuk. 2012. New Records of Grass Flies (Diptera: Chloropidae) For Iran. *An International Journal of Dipterological Research*, 23(2): 95-101.

Rabie, M.M., A.A. Seraj, R. Talaei-Hassanloui and H. Rahimi, 2011. A laboratory investigation to effect of *MbNPV* and Indoxacarb against the beet armyworm, *Spodoptera exigua* (Lep.: Noctuidae) larvae. *The scientific Journal of Agriculture*, 34(1): 81-89. (in Persian with English abstract).

Grichanov Y., M. Alikhani and M.M. Rabieh. 2010. New data on the distribution of Dolichopodidae (Diptera) in Iran. *An International Journal of Dipterological Research*, 21(3):195-201.

Rabie M.M., A.A. Seraj, R. Talaei-Hassanloui. 2010. Interaction between MbMNPV and the braconid parasitoid *Habrobracon hebetor* (Hym., Braconidae) on larvae of beet armyworm, *Spodoptera exigua* (Lep., Noctuidae). *Biocontrol Science and Technology*, 20 (10): 1075-1078.

## Research Project

**In progress: 2020.** Faunistic study of terrestrial Parasitengone mites ectoparasite of Arthropoda in the mountain range of Bagheran of South Khorasan province. **Funded by Iran National Science Fundation.**

**Completed:** Fauna of Parasitengonina mites in Chahkand and Amirabad areas. **2019.** **Funded by University of Birjand, Birjand, Iran.**

**Completed:** Study on the fauna of Noctuid moths (Noctuidae: Lepidoptera) in Birjand and its suburbs. **2019.** **Funded by University of Birjand, Birjand, Iran.**

**Completed:** Preliminary faunistic study of the Brachycera (Diptera) in Arak regions and suburb. collaborators: S. Goldaste, M. Alikhani, T. Arkani and A. Asghari. **2010.** **Funded by Arak Young Researchers Club, Iran.**

## **Teaching Experience**

### **M.Sc.**

#### **Insects Morphology**

- Kashmar Institute of Higher Education, Kashmar, Iran.

#### **Insects Classification**

- Kashmar Institute of Higher Education, Kashmar, Iran.

### **B.Sc.**

#### **Entomology**

- Department of Plant Protection, Faculty of Agriculture, University of Shahid Chamran, Ahvaz, Iran.

- Kashmar Institute of Higher Education, Kashmar, Iran.

#### **Principles of plant pest control**

- Faculty of Agriculture, University of Payam Noor, Ahvaz, Iran.

- Department of Plant Protection, Faculty of Agriculture, University of Birjand, Birjand, Iran.

#### **Ecology**

- Department of Plant Protection, Faculty of Agriculture, University of Birjand, Birjand, Iran.

19- 3rd Iranian International Congress of Entomology 17-19 September, 2019,  
University of Tabriz