



## CURRICULUM VITAE

**Masood Amir-Maafi (PhD)**  
**Associate Professor of Entomology**

**Iranian Research Institute of Plant Protection (IRIPP)**

Sunn Pest Research Department  
P.O. Box 1454, Tehran 19395, Iran  
Tel: 22403012-16 (2711)  
Fax:  
E-mail: [mamirmaafi@gmail.com](mailto:mamirmaafi@gmail.com)  
URL: [www.iripp.ir](http://www.iripp.ir)



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### **Academic qualifications**

**MSc:** Tehran University - 1991

**BSc:** Tehran University - 1987

**PhD:** Tehran University - 2000

### **Research interests:**

**Insect Ecology (Applied and Theoretical)**

**Biological Control**

**Population dynamics modeling**

**Sampling and Forecasting**

### **Selected research projects:**

### **Selected publications:**

## Journals papers

**Amir-Maafi, M.**; Kharazi-Pakdel, A.; Sahragard, A. & Rasolian, Gh. (2000). Study on the biology of *Trissolcus grandis* Thom. (Hym.: Scelionidae) under laboratory condition. *Applied Entomology and Phytopathology*, 68, 1&2. 29-41.

**Amir-Maafi, M.**, & Parker, B. L. (2001). Demography of Sunn pest (*Eurygaster integriceps* Puton) in Iran (Hemiptera: Scutelleridae). *Arab Journal of Plant Protection*, 19, 135-138.

**Amir-Maafi, M.**, & Parker, B. L. (2002). Density dependence of *Trissolcus* spp. (Hymenoptera: Scelionidae) on eggs of *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae). *Arab Journal of Plant Protection*, 20, 62-64.

**Amir-Maafi, M.**, & Parker, B. L. (2003). Efficiency of *Trissolcus* spp. (Hymenoptera: Scelionidae) as egg parasitoids of *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae) in Iran. *Arab Journal of Plant Protection*, 21, 69-72.

Forouzan, M., Sahragard, A., & **Amir-Maafi, M.** (2003). Study on the biology of ***Habrobracon hebetor*** Say (Hym.: Braconidae) under laboratory condition. *Journal of Entomological Society of Iran*. 22-2.

**Amir-Maafi, M.**, & Chi, H. (2006). Demography of *Habrobracon hebetor* (Hymenoptera: Braconidae) on two pyralid hosts (Lepidoptera: Pyralidae). *Annals of the Entomological Society of America*, 99(1), 84-90.

Mohaghegh, J., & **Amir-Maafi, M.** (2007). Reproduction of the predatory stinkbug *Andrallus spinidens* (F.) (Heteroptera: Pentatomidae) on live and frozen prey. *Applied entomology and zoology*, 42(1), 15-20.

Rahmani, S., Marouf, A., Abolhassani, A. A., & **Amir-Maafi M.** (2008). Demography of *Batrachedra amydraula* (Lep.: Batrachedridae) under laboratory conditions. *Applied Entomology and Phytopathology*, 76 (185), 79-89.

Forouzan, M., **Amir-Maafi, M.**, & Sahragard, A. (2008). Temperature-dependent development of *Habrobracon hebetor* (Hym.: Braconidae) reared on larvae of *Galleria mellonella* (Lep.: Pyralidae). *Journal of Entomological Society of IRAN (JESI)* 28 (142), 67-78.

Forouzan, M., Sahragard, A., & **Amir-Maafi, M.** (2008). Comparison of non-linear models for predicting developmental rate of different life stages of *Habrobracon hebetor* (Hymenoptera: Braconidae). *Applied Entomology and Phytopathology*, 76 (185), 27-43.

Frouzan, M., Sahragard, A., & **Amir-Maafi, M.** (2009). Demography of *Habrobracon hebetor* (Hym.: Braconidae) on *Galleria mellonella* (Lep.: Pyralidae) at different temperatures. *Journal of Entomological Society of IRAN (JESI)* 28(2).

Shayesteh, N., Marouf, A., & **Amir-Maafi, M.** (2010). Some biological characteristics of the *Batrachedra amydraula* Meyrick (Lepidoptera: Batrachedridae) on main varieties of dry and semi-dry date palm of Iran. *Julius-Kühn-Archiv*, 151(425), 151-155.

**Amir-Maafi, M. M.**, & Parker, B. L. (2011). Biological parameters of the egg parasitoid *Trissolcus grandis* (Hym.: Scelionidae) on *Eurygaster integriceps* (Hym.: Scelionidae). *Journal of Entomological Society of IRAN (JESI)* 30 (247), 67-81.

Parker, B. L., **Amir-Maafi, M.**, Skinner, M., Kim, J. S., & El Bouhssini, M. (2011). Distribution of sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae), in overwintering sites. *Journal of Asia-Pacific Entomology*, 14(1), 83-88.

Marouf, A., Shayeste, N., & **Amir-Maafi, M.** (2011). Biological characteristics of *Cadra cautella* (Lep.: Pyralidae) on some dried fruits at controlled. *Applied Entomology and Phytopathology*, 79 (192), 135-152.

Pakyari, H., **Amir-Maafi, M.**, Kim, D. S., & Enkegaard, A. (2012). Oviposition Model of *Scolothrips longicornis* Fed on Two-spotted Spider Mite. *Aca. J. Entomol*, 5, 65-72.

Marouf, A., **Amir-Maafi, M.**, & Shayesteh, N. (2013). Two-sex life table analysis of population characteristics of almond moth, *Cadra cautella* (Lepidoptera: Pyralidae) on dry and semi-dry date palm varieties. *Journal of Crop Protection*, 2(2), 171-181.

Mahrughan, A., Shirazi, J., **Amir Maafi, M.**, & Dadpour, H. (2015). Dispersal of *Trichogramma brassicae* in tomato field. *Journal of Crop Protection*, 4(2), 173-180.

Mohaghegh, J., **Amir-Maafi, M.**, Shahrochi, S., & Pirhadi, A. (2016). Spatial distribution of the canola false chinch bug, *Nysius cymoides* (Hem.: Lygaeidae). *Plant Pest Research*. 5(4): 13-23.

Mohaghegh, J., **Amir-Maafi, M.**, Shahrochi, S., & Pirhadi, A. (2016). Sequential sampling of the canola false chinch bug, *Nysius cymoides* (Hem.: Lygaeidae). *Applied Entomology and Phytopathology*. 83 (2), 259-264.

Pakyari, H., **Amir-Maafi, M.**, & Moghadamfar, Z. (2016). Oviposition Model of *Ephestia kuehniella* (Lepidoptera: Pyralidae). *Journal of economic entomology*, 109(5), 2069-2073.

Shahrokhi, S., & **Amir-Maafi, M.** (2016). Binomial sampling model of *Schizaphis graminum* in irrigated wheat fields of Varamin, Iran.

Shahrokhi, S., & **Amir-Maafi, M.** (2016). Sequential sampling plan of *Rhopalosiphum padi* L. (Hemiptera: Aphididae) in wheat fields.

**Amir-Maafi, M.**, Shahrokhi, S., Karami, L., Shojai, M., & Imani, S. (2018). Demography of the Bird Cherry-oat Aphid, (*Rhopalosiphum padi* L.) (Hemiptera: Aphididae) on Different Barley Varieties. *Journal of Agricultural Science and Technology*, 18 (5), 1257-1266.

Farazmand, A., & **Amir-Maafi, M.** (2018). A population growth model of *Tetranychus urticae* Koch (Acari: Tetranychidae). *Persian Journal of Acarology*, 7(2).

Pakyari, H., **Amir-Maafi, M.**, Moghadamfar, Z., & Zalucki, M. (2019). Estimating development and temperature thresholds of *Ephestia kuehniella*: toward improving a mass production system. *Bulletin of entomological research*, 109(4), 435-442.

### **Conference papers:**

Atri, A., & **Amir-maafi, M.** (2006). A Decision Support System For Management Of Sunn Pest (*Eurygaster integriceps* Puton.) In Wheat. In *Computers in Agriculture and Natural Resources, 23-25 July 2006, Orlando Florida* (p. 414). American Society of Agricultural and Biological Engineers.

**Amir-Maafi, M.** (2007). Mass Rearing of the Sunn Pest Egg Parasitoid, *Trissolcus grandis* Thomson (Hymenoptera: Scelionidae): A Demographic FrameWork. [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004. 303-308.

**Amir-Maafi, M.**, Majdabadi, M., Aghdasi, F., Parker, B.L. & Parsi, F. (2007). Degree Days for Forecasting Migration of Sunn Pest. [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004. 139-146.

**Amir-Maafi, M.**, Parker, B.L. & El-Bouhssini, M. (2007). Binomial and sequential sampling of Adult Sunn Pest, *Eurygaster integriceps* Puton (Heteroptera: Scutelleridae). [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004. 115-122.

El-Haramein, F.J., El-Bouhssini, M., **Amir-Maafi, M.**, Canhilal, R. & Halil Kutuk. (2007). The impact of Sunn Pest Density in wheat fields on grain and flour quality. [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004. 181-187.

Parker, B.L. , **Amir-Maafi, M.**, Skinner, M. , El-Bouhssini M. & Scott D. Costa. (2007). Sunn Pest population under *Artemisia*, *Astragalus*, *Quercus* and *Centaurea gaubae* in overwintering sites. [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004. 93-98.

Skinner, M., Parker, B. L., Gouli, S., Reid, W., El Bouhssini, M., **Amir-Maafi, M.**, & Sayyadi, Z. (2007). Entomopathogenic fungi for Sunn Pest management: Efficacy trials in overwintering sites. [ In Bruce I. Parker, Margaret Skinner, Mustapha El Bouhssini & Safaa G. Kumari (Eds.): Sunn Pest management: A Decade of Progress 1994-2004., 319-328.

### **Books:**

### **Theses supervised:**

**Software and E-publications:**

**Other achievements:**