



## CURRICULUM VITAE

### **Jalal Shirazi (PhD)**

Date of birth: 1966

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### **Academic qualifications**

PhD: Entomology

MSc: Entomology

BSc: Plant protection

### **Research interests:**

**Biological Pest Control / Parasitoids /**

### **Selected research projects**

- 1- An investigation on the distribution mode of *Trichogramma brassicae* from the release point in rice and tomato fields.
- 2- Application of *Trichogramma brassicae*, *Habrobracon hebetor* and Bt to control European corn borer in Dashtnaz.

- 3- A study on some significant biological characteristics of *Trichogramma brassicae* Bezd. to enhance its mass production productivity.

## Selected publications

### Journals papers:

- 1- Forouzan, M., **Shirazi, J.**, Safaralizadeh M.H., Safavi, S.A. and Rezaei, M. 2014. Oviposition Model of *Trissolcus basalis* Wholaston (Hym: Scelionidae) on Sunn pest eggs. *J Agril. Sci. Tech.* (Under Press)
- 2- Forouzan, M., Safaralizadeh M.H., **Shirazi, J.**, Safavi, S.A. and Rezaei, M. 2013. Biology and Demography of *Trissolcus basalis* Whollaston (Hym.: Scelionidae) on eggs of two different hosts. *J. Entomol. Soc. Iran.* **33**: 69-85.
- 3- Noori, H. and **Shirazi, J.** 2012. A study on some biological characteristics of olive leaf moth, *Palpita unionalis* Hübner (Lep: Pyralidae) in Iran. *J. Agril. Sci. Tech.* **14**: 257-266.
- 4- Farrokhi, S., Ashouri, A., **Shirazi, J.**, Allahyari, H. and Huigens, M.E. 2010. A comparative study on the functional response of Wolbachia-infected and uninfected forms of the parasitoid wasp *Trichogramma brassicae*. *Journal of Insect Science.* 10: 1-11.
- 5- **Shirazi, J.**, 2007. Comparative biology of *Trichogramma chilonis* (Hymenoptera: Trichogrammatidae) on eggs of *Corcyra cephalonica* (Stainton) and *Helicoverpa armigera* (Hübner). *J. Biological Control.* 21: 37-42.
- 6- **Shirazi, J.**, 2006. Effect of temperature and photoperiod on the biological characters of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae). *J. Biological Sciences.* 9: 820-824.
- 7- **Shirazi, J.**, 2006. Investigation on the in vitro rearing of *Trissolcus grandis* an egg parasitoid of *Eurygaster integriceps* by use of artificial diet. *J. Biological Sciences.* 9: 2040-2047.

### Conference papers:

- 1- **Shirazi, J.**, Morsali, H. and Rezaeei, M. 2010. A Review on the Side Effects of the Chemical Pesticides on the Pests Natural Enemies. In:

*Proceedings of the 1<sup>st</sup> National Congress on the Half a Century of Pesticide Usage in Iran.* IRIPP and PPO. pp 103-131.

- 2- **Shirazi, J.**, 2001. A review on biological control in Iran. In: *Proceedings of the First Iranian Students' Scientific Seminar on Agriculture and Related Sciences.* New Delhi, India. pp 21.
- 3- **Shirazi, J.**, Taghizadeh, M., Dadpour, H., Attaran, M.R. and Zand, S. 2010. Investigation on the parasitism level of *Ostrinia nubilalis* (Hub.) eggs related to different densities of released *Trichogramma brassicae* Bezd. in corn. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 68.
- 4- Kaviani, M.H., **Shirazi, J.**, Rezapanah, M. and Shojaee, M. 2010. A study on the effect of host species on the fecundity potential of *Coenosia attenuata* Stein, a new predator of the vegetable leaf miner. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 3.
- 5- Kaviani, M.H., **Shirazi, J.**, Rezapanah, M. and Shojaee, M. 2010. Evaluation of the predation and feeding potential of *Coenosia attenuata* Stein on its three major hosts. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 4.
- 6- Kaviani, M.H., **Shirazi, J.**, Rezapanah, M. and Shojaee, M. 2010. An investigation on the predatism capacity of *Coenosia attenuata* Stein larval stage on its two natural hosts at laboratory conditions. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 8.
- 7- Pezeshk, R., **Shirazi, J.** Attaran, MR. and Shojaee, M 2010. A study on the searching efficiency of *Trichogramma brassicae* Bezd. at three thermal regimes. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 43.
- 8- Bahrami, A., Rezapanah, M. and **Shirazi, J.** 2010. A laboratory study on the side-effects of some pesticides applied in rice fields on *Trichogramma brassicae* Bezd. (**Life table vs. IOBC method**). The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 232.
- 9- Farrokhi, Sh., Ashouri, A. and **Shirazi, J.** 2010. Biological characteristics of *Wolbachia*-infected *Trichogramma brassicae* compared to bisexual wasps. The 19th Iranian Plant Protection Congress. July 31-Aug 3, Tehran, Iran, pp 602.
- 10- **Shirazi, J.**, Attaran, MR., Hadaegh, M., Ansari, N. and Dadpour, H. 2008. The effect of temperature on the **fertility life table parameters** of different *Trichogramma brassicae* populations. The 18th Iranian Plant Protection Congress, Aug. 24-28, Hamedan, Iran. pp 410.

- 11- **Shirazi, J.**, 1998. Country report on biological control in Iran. Presented in: Workshop on Biological Control in the Near East Region. IRIPP and FAO. Nov., 14-19, 1998. Tehran-Baboulsar, Iran.

#### Books:

- 1- Heidari, H. and **Shirazi, J.** 2010. Problems of the Chemical Pesticides in the Third World. Agril. Edu. Publication. 96 p

#### Software and E-publications:

#### Thesis supervised:

- 1- A study on the dispersal of *Trichogramma brassicae* in tomato field after release.
- 2- A study on some significant biological characteristics of *Trichogramma brassicae* Bzdn. to enhance its mass production productivity
- 3- Evaluation of the affect of *Wolbachia* on some biological characteristics of a *Trichogramma brassicae* thelytokous population.
- 4- A study on the morphology, biology and predatism of *Coenosia* sp. (Diptera: Muscidae) on *Liriomyza trifolii*
- 5- A laboratory study on the searching potency of *Trichogramma brassicae* Bazd. at three different temperatures and its evaluation on corn
- 6- Evaluation of some biological characteristics and applied aspects of a *Trichogramma brassicae* thelytokous population in the laboratory and field conditions.

#### Other achievements

- 1- Holding the preliminary patent of technical knowledge of *Coenosia attenuata* mass production.