

Curriculum Vitae

Roghayeh Karimzadeh
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Education:

2005 - 2011 Ph.D. Agricultural Entomology, University of Tabriz, Tabriz, Iran
2001 - 2003 M.Sc. Agricultural Entomology, University of Tabriz, Tabriz, Iran
1997 - 2001 B.Sc. Plant Protection, University of Maragheh, Maragheh, Iran

Research Interests:

Site-specific integrated pest management; Geographic Information Systems (GIS), spatial statistics and remote sensing applications in entomology; spatial interactions of insect pests with natural enemies, pesticide toxicology.

Academic Positions:

2011- Present Assistant Professor, Department of Plant Protection, University of Tabriz

Teaching Experiences:

2014-present Integrated Pest Management (M.Sc.), University of Tabriz
2013-present Plant Resistance to Insects (M.Sc.), University of Tabriz
2011- 2016 Research Methods in Entomology (M.Sc.), University of Tabriz
2011-2016 Chemical Control Technology (B.Sc.), University of Tabriz
2012- Present Stored Product Pests (B.Sc.), University of Tabriz
2012 Stored Product Pests (B.Sc.), University of Maragheh
2011-Present Principles of Plant Pest Control (B.Sc.), University of Tabriz
2011- Present Pests of Vegetables and Ornamental Plants (B.Sc.), University of Tabriz
2010 - 2012 Entomology (B.Sc.), University of Tabriz
2008 – Present Agricultural Practices (B.Sc.), University of Tabriz

2006 – Present Entomology and Pest Management Courses (B.Sc.), University of Tabriz

Administrative Responsibilities:

2004 – 2006 Plant Protection Specialist, Varzeghan Bureau of Agriculture, Varzeghan, Iran

Research Experiences:

2012 - 2015 Identifying insect pests of elm trees in the University of Tabriz campus and determining the effect of imidacloprid, abamectin and dimethoate in their control

2006 - 2011 Ph.D. Thesis, Use of Geoinformatics for Sunn Pest Management in East Azarbaijan Province of Iran

2006 Studying the Effect of Kaolin on Codling Moth and European Red Mite in Marand, Iran

2002 - 2003 M.Sc. Thesis, Laboratory Evaluation of Five Chitin Synthesis Inhibitors against the Colorado potato beetle

Master and Doctorate Thesis Supervision:

Hakimeh Shayestemehr, Ph.D.

Mahsa Ghahramani, M.Sc., Spatio-temporal signature of aphids, coccinellids, carabids and dominant plant bugs in alfalfa fields

Fatemeh Kazemi, M.Sc., Effect of some insecticides and plant extracts on alfalfa leaf weevil, *Hypera postica* in field conditions

Hakimeh Shayestemehr, M.Sc., Spatio - temporal distribution of *Therioaphis maculata* Buckten, *Aphis craccivora* Koch and Coccinellid lady beetles in alfalfa fields of karkaj

Marzieh Zakeri, M.Sc., Spatio - temporal distribution of alfalfa leaf and root weevils, *Hypera postica* (Gyllenhal) and *Sitona* spp.(Coleoptera: Curculionidae) using geostatistics

Publication:

Karimzadeh, R., Zakeri Ilkhchi, M., Iranipour, S. 2015. Determining spatial distribution of alfalfa leaf weevil *Hypera postica* and root weevils Sitona spp. (Coleoptera: Curculionidae) using geostatistics. Applied Entomology and Phytopathology. 83: 1-13. (In Farsi)

Mahdavi, H., Iranipour, S., Mehrvar, A., and **Karimzadeh**, R. 2015. Spatial distribution of *Chromaphis juglandicola* (Kaltenbach) (Homop., Aphididae) in East Azerbaijan walnut orchards. Journal of Applied Researches in Plant Protection. 4: 27-41. (In Farsi)

Karimzadeh, R. and Hejazi, M.J. 2015. The effects of indoxacarb and methoxyfenozide against Colorado potato beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae). Journal of Applied Researches in Plant Protection. 4: 93-102. (In Farsi)

Bazavar, A., Iranipour, S., and **Karimzadeh**, R. 2015. Effect of host unavailability durations on parasitism behavior of *Trissolcus grandis* (Hymenoptera: Scelionidae) egg parasitoid of Sunn pest. Journal of Applied Researches in Plant Protection. 4: 41-56. (In Farsi)

Sheikhzadeh, B., Hejazi, M. J. and **Karimzadeh**, R. 2014. Effects of methoxyfenozide, lufenuron and flufenoxuron on beet armyworm, *Spodoptera exigua* (Lep.: Noctuidae) in laboratory conditions. Journal of Entomological Society of Iran. 56: 1-8. (In Farsi)

Sharifi, A. Iranipour, S., **Karimzadeh** and R., Fotouhi, K. 2013. Determining active area and relationship between yellow sticky traps and absolute population estimates of adult *Lixus incanescens* L. (Col.: Curculionidae). Field Crop Entomology, 13: 13-21. (In Farsi)

Karimzadeh, R. Iranipour, S. 2016. Spatial distribution and site-specific spraying of main sucking pests of elm trees. Neotropical Entomology, DOI 10.1007/s13744-016-0453-3

Shayestehmehr, H. **Karimzadeh** R, Hejazi MJ, 2016, Spatio-temporal association of *Theroaphis maculata* and *Hippodamia variegata* in alfalfa fields. Agricultural and Forest Entomology, 19, 81–92.

Karimzadeh R., Hejazi M.J., Helali H., Iranipour S., Mohammadi S. A., 2014, Predicting the resting sites of *Eurygaster integriceps* Put (Hemiptera: Scutelleridae) using a geographic information system, Precision Agriculture, 15, 615-626.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2012. The relationship between population fluctuations of sunn pest *Eurygaster integriceps* Put. and environmental factors in East Azarbaijan Province. Iranian Journal of Plant Protection science. 43: 165-179.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2011. Analysis of the Spatio-Temporal Distribution of *Eurygaster integriceps* (Hemiptera: Scutelleridae) Using Spatial Analysis by Distance Indices and Geostatistics. Environmental Entomology. 40(5): 1253-1265.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2011. Assessing the Impact of Site-Specific Spraying on Control of *Eurygaster integriceps* (Hemiptera: Scutelleridae) Damage and Natural Enemies. Precision Agriculture. 12:576–593.

Karimzadeh R., Hejazi M.J., Rahimzadeh Khoei, F., and Moghaddam, M. 2007. Laboratory Evaluation of Five Chitin Synthesis Inhibitors against the Colorado Potato Beetle, *Leptinotarsa decemlineata*. 6pp. Journal of Insect Science 7:50, available online: www.insectscience.org/7.50

Papers Presented in National and International Scientific Meetings:

Karimzadeh R., Shayestehmehr H. , Hejazi M.J. 2015. Geostatistical analysis of spatial distribution of alfalfa spotted aphid *Theroaphis maculata* and coccinellid lady beetles. XVIII. International Plant Protection Congress, 24–27 August 2015. BERLIN, Germany.

Karimzadeh R., Zakeri Ilkhchi M., Iranipour S. 2015. Spatial distribution pattern of alfalfa leaf weevil *Hypera postica* and root weevils *Sitona* spp. (Coleoptera: Curculionidae) in

alfalfa fields. XVIII. International Plant Protection Congress, 24–27 August 2015. BERLIN, Germany.

Karimzadeh Roghaiyeh, Shayestehmehr Hakimeh, Hejazi Mir Jalil, 10th European Congress of Entomology, poster presentation, brief article, Spatio-temporal distribution of *Theroaphis maculata* (Hemiptera: Aphididae) and coccinellid lady beetles in alfalfa fields, 3-8 August 2014. York, United Kingdom.

Ebrahimi V., Iranipour S., **Karimzadeh R.**, 15th Applied Stochastic Models and Data Analysis International Conference, poster presentation, brief article, Bias correction of Southwood & Jepson's graphical method of stage frequency data analysis by simulating *Eurygaster integriceps* data, 25 – 28 June 2013. Mataró (Barcelona), Spain.

Mahdavi H., Iranipour S., Mehrvar A., **Karimzadeh R.**, 2nd Global Conference on Entomology, poster presentation, brief article, Demography of small walnut aphid *Chromaphis juglandicola* (Hem., Aphididae) on walnut trees in northwest of Iran, 8-12 November 2013. Kuching, Sarawak, Malaysia

Ebrahimi V., Iranipour S., **Karimzadeh R.**, 2nd Global Conference on Entomology, announcer, brief article, Comparison among different stage-frequency data analysis models for estimating number entering a stage, 8-12 November 2013. Kuching, Sarawak, Malaysia

Mahdavi H., Iranipour S., **Karimzadeh R.**, 2nd Global Conference on Entomology, poster presentation, brief article, Patterns of colonization, crowding and disappearance of *Chromaphis juglandicola* (Hem.: Aphididae) colonies in northwest walnut orchards of Iran, 8-12 November 2013. Kuching, Sarawak, Malaysia

Iranipour S., Mahdavi H., **Karimzadeh R.**, Mehrvar A., 2nd Global Conference on Entomology, announcer, brief article, Spatio-temporal dynamics of *Chromaphis juglandicola* (Hem., Aphididae) in walnut orchards of northwest of Iran, 8-12 November 2013. Kuching, Sarawak, Malaysia

Sharifi A., Iranipour S., **Karimzadeh R.**, Fotouhi K., 2nd Global Conference on Entomology, poster presentation, brief article, Yellow sticky trap as a tool for estimating *Lixus incanescens* (Col.: Curculionidae) populations, 8-12 November 2013. Kuching, Sarawak, Malaysia

Sharifi A., Iranipour S., **Karimzadeh R.**, Fotouhi K., 2nd Global Conference on Entomology, poster presentation, brief article, Spatial distribution of adult sugar beet weevil, *Lixus*

incanescens (Col.: Curculionidae) in sugar beet fields of Miyandoab region, Iran, 8-12 November 2013. Kuching, Sarawak, Malaysia

Karimzadeh, R., Hejazi, M. J. and Iranipour, S. 2012. Site Specific Management of Insect Pests Of Elm Trees In The University Of Tabriz Campus. XXIV International Congress of Entomology. August 19-25 2012 Daegu, Korea.

Karimzadeh, R. Iranipour, S. and Hejazi M. J. Determining population peak of honeydew producing pests of elm trees in the University of Tabriz campus. 3rd Insect pest Management Congress. 21-22 January 2014. Shahid bahonar University of Kerman, Kerman, Iran.

Bazavar, A., Iranipour, S., and **Karimzadeh**, R. 2014. Effect of host unavailability durations on parasitism behavior of *Trissolcus grandis* (Hymenoptera: Scelionidae) egg parasitoid of Sunn pest. 21st Iranian Plant Protection Congress. 23-26 August 2014, Urmia University, Urmia, Iran.

Karimzadeh, R. Application of geographic information system (GIS) in pest management. 2011. Proceeding of The First National Congress of Monitoring and Forecasting in Plant Protection. Borujerd; Iran; 14-15 February 2012. Pp 272-275. (In Farsi)

Karimzadeh, R. Determining spatial distribution of insects using spatial analysis by distance indices (SADIE). 2011. Proceeding of The First National Congress of Monitoring and Forecasting in Plant Protection. Borujerd; Iran; 14-15 February 2012. Pp 276-280. (In Farsi)

M. J. Hejazi and **Karimzadeh**, R. 2011. Effects of Green Fluorescent Dust on Sunn Pest, *Eurygaster integriceps* (Hemiptera: Scutelleridae). Global Conference on Entomology, March 5-9, 2011 Chiang Mai, Thailand.

M. J. Hejazi, **Karimzadeh**, R. and Iranipour, S. 2011. *Eurygaster integriceps* Egg Parasitoids in Gharamalek. Global Conference on Entomology, March 5-9, 2011 Chiang Mai, Thailand.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2010. Assessing the Impact of Site-Specific Spraying on Control of *Eurygaster integriceps* (Hemiptera: Scutelleridae) Damage and Two Natural Enemies. IXth European Congress of Entomology, 22-27 Agust 2010, Budapest, Hungary.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2009. Analysis of the spatial distribution of sunn pest *Eurygaster integriceps* Put. in irrigated wheat fields using geoinformatics. 6th Asia-Pacific Congress of Entomology. October 18-22, 2009 Beijing, China.

Karimzadeh R., Hejazi M.J., Helali, H., Iranipour, S. and Mohammadi, S. A. 2009. Geostatistical characterization of spatial distribution of *Eurygaster integriceps* Put. parasitized eggs. 6th Asia-Pacific Congress of Entomology. October 18-22, 2009 Beijing, China.

Sheikhzadeh, B. Hejazi M.J. and **Karimzadeh R.** 2009. Effects of three insect growth regulators, on beet armyworm *Spodoptera exigua* (Lepidoptera: Noctuidae) using two bioassay methods in laboratory. 6th Asia-Pacific Congress of Entomology. October 18-22, 2009 Beijing, China.

Karimzadeh R., Hejazi M.J. 2008. Effect of Indoxacarb on Colorado Potato Beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae) in Laboratory. 18th Iranian Plant Protection Congress Hamadan, Iran.

Karimzadeh R., Hejazi M.J. 2008. Lethal and Sublethal effects of Methoxyfenozide on Colorado Potato Beetle, *Leptinotarsa decemlineata* (Say) (Coleoptera: Chrysomelidae), XXIII International Congress of Entomology. Durban, South Africa.

Karimzadeh R., Hejazi M.J., Rahimzadeh Khoei, F., and Moghaddam, M. 2004. Laboratory Evaluation of Five Chitin Synthesis Inhibitors against the Colorado Potato Beetle. XV International Plant Protection Congress. Beinjing, China.

Membership in Scientific Societies:

1997 – present Entomological Society of Iran

2012 - present Entomological Society of America