



CURRICULUM VITAE

First name: Aziz

Last name: Sheikhiharjan

Iranian Research Institute of Plant Protection (IRIPP)

Research Department of Agricultural Entomology

Research Department of Agricultural Entomology

P.O. Box 1454, Tehran 19395, Iran

Tel: +98 2122403015-16 (8114)

Fax: +98 2122402570

E-mail: asheikhi48@gmail.com and asheikhi48@areeo.ac.ir



Academic qualifications: Research Associate Professor

PhD: Tehran, Azad University, Science and Research branch (2000)

MSc: Entomology of Agriculture, Tehran University (1994)

BSc: Plant protection, Tehran University (1991)

Research interests: (Pesticides, Their Combination, Joint Action)

- ✓ **Combination Of Different Groups Of Pesticides (Mix)**
- ✓ **Bioassay of Insecticides**
- ✓ **Timing of Application**
- ✓ **The evaluation of Insecticide efficacy**
- ✓ **Chemical control of Termites**
- ✓ **The selective application strategies for insecticides**
- ✓ **Application Technology and GIS and GPS precision agriculture technologies**
- ✓ **Vegetable and wheat Insect pests**

Selected research projects:

Sheikhiharjan A., Fathipour Y., and Khalgani J. 2001. Investigation of pyrethroids application possibility for Sunn pest control. Project No.107-77-123.

Sheikhiharjan A., Talebi Kh., Pourmirza A., and Sepehr, K. (2001). The study of replacing selective insecticides for Sunn pest chemical control and side effect of fenitrothion. Project No:107-11-76-028.

Sheikhiharjan A., and Basiri Gh. 2002. Evaluation of the efficacy of seed treatment by thiamethoxam (Cruiser 350 FS) against early season insect pests of corn. Project No:100-11-80-061.

Sheikhigarjan A., and Noori H. 2005 Effects of Juvenile hormone analogs (Admiral[®]) against the nymphal stages of Sunn pest. Project No:100-11-81-109.

Sheikhigarjan A., Yusefi, M. Tohidi, M., Jamshidi M. and Jafary S. (2006) Investigation on relationship between time-delay chemical control and the damage rate of Sunn pest (*Eurygaster integriceps* put.) in wheat fields. Project No: 100-11-82-053.

Sheikhigarjan A., and Jafary S. 2006. Efficacy of endosulfan insecticide manufactured by Iranian companies compared to original endosulfan against whitefly (*Bemisia tabaci*) in vegetable fields in Tehran and Lorestan provinces. Project No.:100-11-82-108.

Keyhania A. A., **Sheikhigarjan A.**, and Amini khalaf, M. 2009. Efficiency of different insecticides against the cabbage aphid, *Brevicoryne brassicae* L. on canola under field conditions in Saveh. Pajouhesh –Va-Sazandegi, Special No.21.

Avand Fagih, A., Gries, G., Darougheh, H., Sasaerila, Y., **Sheikhigarjan A.** and Yazdani, A. 2006. Field testing of a pheromone _based attracticide for control of pistachio twig borer moth, *Kermania pistaciella* Amsel (Lepidoptera, Oinophylidae). . Project No.:0-100-100000-04-000084028.

Sheikhigarjan A. Rahimi, H., Arjomand, A., Mohajer, E. Mohammadipour, A., and Javadzade, M. 2007. Assessment of the efficiency of new insecticides on cucurbit fruit flies. Project No.: 0-100-100000-04-0000-8408.

Bizhannia A., **Sheikhigarjan A.** and M. Rahi. 2008. Investigation of effect of pyriproxifen (Admiral[®]) on quantitative and qualitative characters of silkworm (*Bombyx mori* L.) Project No.:100-11-27-82-092.

Sheikhigarjan A., Espahbodinia, E., Khormali S., Taghizadeh M. Javadzadeh M., Attaran, M. and Mohamadipour A. 2008. Efficacy of new insecticides against fruit boring noctuides on tomato. Project No.: 100-1000000-04-0000-86101.

Sheikhigarjan A., Yousefi, M., Bagheri, S., Bagheri, M., Shirdel, D. Malmir A., Javadzadeh, M. and Mohamadipour A. 2008. The study of susceptibility of onion thrips, *Thrips tabaci* to new insecticides Project No: 0-100-100000-04-0000-84107.

Sheikhigarjan A., Arjomandi, A., Jafari, A., Ghadiri, S. Firozi R., Javadzadeh, M. Mohammadipour, A., Palangi, and Enshaei, A. 2009. Investigation on the efficacy of new insecticides against white flies (*Trialeurodes vaporariorun* and *Bemisia tabaci*). Project No:100-100000-04-0000-85009.

Sheikhigarjan A., and Ranjbar, H. . 2011. Efficacy of spinosad against Colorado potato beetle *Leptinotarsa decemlineata* . Project No:4-16-16-87045.

Sheikhigarjan A., Fagih, A., Tabrizyan, M., Askari, H. and Mohammadipour A. .2013. Evaluation of the efficacy of some commercial pheromone dispensers on the trapping of Leopard Moth (*Zeuzera pyrina* L.). Project NO: 014-16-168903-89004.

Kolyaee, R., **Sheikhigarjan A.** Fagih, A., and Arde M. (2014) Integrated management of Leopard Moth (*Zeuzera pyrina* L.) in Walnut orchards (or Apple orchards). Project No: 014- 16 -16 – 8903.

Sheikhigarjan A., Motamediniya, B. Bageri, A.K., Hoshyar, H., Kolyaee R., Ghayorfar, R., and Mohamadpour, K. 2009. Evaluation of efficacy of fipronil to control of subterranean termites of date palms. Project No:0-100-100000-05-1000-85074.

Sheikhigarjan A. 2010. Investigation on efficacy of different formulations and insecticides on overwintered adult sunn pest. Project No: 2-009-100000-01-8603-86001.

- Pourrahim, R. **Sheikhigarjan A.** and Farzadfar, S. 2010. Evaluation and determination of correlation between incidence of aphid borne potato virus Y infection and aphid population in potato fields. Project No:86122.
- Sheikhigarjan, A.**, Ataran, M., and Mohamadipour A. 2011. Pest Management of Potato. Project No:12-16-16-8805-88012.
- Sheikhigarjan A.**, Javadzade, M., Arabjafari, Kh and Alipanah, H. 2012. Efficacy of new insecticides chromafenozide (Matric SC5%) against tomato fruitworm. Project NO: 4-16-16-89098.
- Sheikhigarjan A.** Keyhanian, A., and Asgari S. 2010 Efficiency of Behfidor SC350 (imidacloprid) on cucurbit aphid *Brevicoryne brassicae* (L.). Project NO: 4-16-16-89043.
- Sheikhigarjan A.** Baniamery, V., Mohamdipour, A., and Asgari, S. (2012) Efficiency of thiocyclam SP50% (Evisect®) on leafminer *Liriomyza sativae* Blanchard (Diptera: Agromyzidae). Project NO: 4-16-16-89098.
- Sheikhigarjan A., and Kolyaee, R. 2012. Efficacy of spot spray against Leopard moth *Zeuzera pyrina* L. (Lep.: Cossidae) . Project NO: 014-16-16-8903-89012.
- Sheikhigarjan A.** Javadzadeh M., and Mohammadipour A. (2013) Efficacy of new insecticide, ruiagro® (matrin) against diamond back moth, *Plutella xylostella*. Project NO: 4-16-16-92104.
- Sheikhigarjan A., and Mohammadipour, A. 2011. Efficacy of some biological and chemical insecticides against diamondback moth, *Plutella xylostella* Project NO: 4-16-16-90041.
- Sheikhigarjan A., and Baniamery V. 2013. The efficacy of new insecticide, Protus® OD11% against onion thrips, *Thrips tabaci*. Project NO: 4-16-16-90044.
- Sheikhigarjan A., Javadzade, M., Baniamery, V., and Golmohammadi, Gh. 2013. Efficacy of spinosad (Optima® WG20) as insecticide in controlling the tomato leafminer, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae). Project NO: 4-16-16-90092.
- Sheikhigarjan A.**, Baniamery, V., Javadzade, M., and Golmohammadi, Gh. 2013. Efficacy of new insecticide flubendiamid (Takomi® WG20%) against tomato fruitworm. Project NO: 4-16-16-90092.
- Khosravi, M., Sheikhigarjan A., Rigi, Y., Motamedinia, B., Gol Mohammad, Zadeh Khiaban N. 2011. Study on the combined impact of oil and different insecticides for the control of mango leaf-gall midge *Procontarinia matteiana* (Dip : Cecidomyiidae). PROJECT NO: 4- 65- 16- 89134.
- Sheikhigarjan A.**, Baniamery V., and Mohammadipour A. 2013. Efficacy of two new insecticides flubendiamide (Takomi® WG20%) and thiocyclam (Evisect® SP50%) against the tomato leaf miner, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae). Project NO: 4-16-16-92160.
- Sheikhigarjan A.**, Golmohammadi Gh., and Mohammadipour A. 2014. Efficacy of a new insecticide, Lufenuron + emamectin benzoate (Proclaim® WG 50%) against the tomato leaf miner, *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae). Project NO: 4-16-16-92188.
- Ahmadi, R., **Sheikhigjan, A.**, H., Soltani A., Mirabadi; and Shahabi A. 2010. The effect of some insecticides in control of wheat root aphid, *Porophoro tritici* by seed treatment method in dry land conditions. PROJECT NO: 2-63-16-89120.
- Mohammadipour, A., **Sheikhigarjan. A.**, Abdollahi. G.A., and Radjabi, Gh. 2011. The role of some adjuvants on dosage reduction of fenitrothion and deltamethrin in Sunn pest *Eurygaster integriceps* Puton control. Project NO: 040-16-16-90019

Assari, M. J., Damghani, R., Dabiri, H., Ahangeran, M. H., Arbabtafti, R., and **Sheikhgarjan A.** 2010. Study on the efficiency insecticides: Muspilan, Lufeneuron, Colotianidin, Diazinon and Malathin on Dubas bug *Ommatissuslybicus*. Project NO:014-54-16-8905-89002.

Sheikhgarjan A., Golmohammadi Gh., and Baniamery V. 2011 The efficacy of new insecticide, Protus® OD11% against onion thrips, *Thrips tabaci*. PROJECT NO: 4-16-16-90044.

Farazmand: H., **Sheikhgarjan A.**, and Dashtbani 2010. Study of the efficiency of Neonicotinoid Insecticides for control of grape cicada, *Psalmocharias alhageos* (Hem.: Cicadidae). Project NO: 014-16-16-8904-89005.

Keyhanian A., Barari, H., Amin, Gh. **Sheikhgarjan A** and Farhangi, V. 2013. Efficiency of ImunitSc% 15 insecticide on fruit boring, *Helicoverpa armigera* Hub. in tomato crops . PROJECT NO: 4-16-16-92138

Sheikhgarjan A., Marzban, R, Eslamizadeh, R., Gilasian E., and Mohammadipour, A. (2015) Efficacy of insecticides against mushroom dipteran fly. Project NO: 2-16-16-94121.

Keyhanian A, Marouf A. and **Shikhgarjan A.** 2013. Efficiency of botanic insecticides (Golpad®) on cabbage aphid *Brevicorene brassicae* (L.). Project No.: 04-16-16-92173.

Selected publications:

Taleh M., Rafiee Dastjerdi H., Naseri B., **Sheikhi-Garjan, A.** and Talebi Jahromi K. 2020. Efficacy of mixture of emamectin benzoate with some insecticides on the mortality and esterase activity of fourth instar larvae of **Tuta absoluta** (Lepidoptera: Gelechiidae). Journal of Crop Protection. 9(4):699-709.

Safari M. and **Sheikhi-Garjan A.** 2020. Comparison between unmanned aerial vehicle and tractor lance sprayer against Dubas bug *Ommatissus lybicus* (Hemiptera: Tropiduchidae). Iranian Journal of Plant Protection Science. 51(1):13-26.

Kordestani M., Mahdian K., Baniamery V. and **Sheikhi-Garjan, A.**, 2020. Study of population dynamics of *Orius laevigatus* on green beans and marigold as banker plants in greenhouse strawberry planting. Biological Control of Pests And Plant Diseases. 9(1):16-28.

Ardehshir F., Heydari A., Namvar P., Mahdavi V., *Sheikhi-Garjan A.* 2021. Efficiency and residue levels of a new acaricide, cyflumetofen (Danisaraba® SC, 20%) for control of *Tetranychus urticae* on greenhouse cucumber. Journal of Applied Research in Plant Protection. 10(1): 71–78.

Nateq Golestan M., Shafaghi A., **Sheikhi-Garjan A.** 2022. Efficacy of several insecticides against western flower thrips *Frankliniella occidentalis* by introducing its two new effectiveness indices in greenhouse cucumber. Journal of Applied Research in Plant Protection. 10(4): 17–23.

Kordestani M., Mahdian K., Baniamery V. and **Sheikhi-Garjan A.** 2021. Lethal and Sublethal Effects of Proteus, Matrine, and Pyridalyl on *Frankliniella occidentalis* (Thysanoptera: Thripidae). Environmental Entomology. 50(5):1137-1144.

Mardani A., Sabahi Q., and **Sheikhi-Garjan A.**, 2021. Lethal and sub-lethal effects of insecticides chromafenozide, pyridalyl and thiodicarb on parasitoid wasp, *Habrobracon hebetor*. Plant Pests Research. 10(4):1-14.

Avand F.A., **Sheikhi-Garjan A.**, Bagheri A., Askari S.M., and Famil M., 2021. Damage control of *Helicoverpa armigera* on tomato by plant volatiles-based attract and kill approach. Applied Entomology and Phytopathology. Vol. 89(10): 75-94.

- Keyhanian A.A., Barari, H., Farhangi S.V., Amin G.A. and **Sheikhi Garjan A.**, 2019. To Investigate the Efficacy of the Insecticide α -cypermethrin+ teflubenzuron (Imunit® SC 15%) to Control of *Helicoverpa armigera* in Tomato Crops. *Journal Pesticides in Plant Protection Sciences*. 6(2):136-145.
- Taleh M., Rafiee-Dastjerdi H., Naseri B., **Sheikhi-Garjan A.**, Talebi-Jahromi K. and Ebadollahi A. 2021. A laboratory assessment of the lethal and sub-lethal effects of four insecticides considered for commercial control of the tomato leaf miner, *Tuta absoluta* (Meyrick)(Lepidoptera: Gelechiidae). *African Entomology*: 29(2), pp.370-380.
- Jokar-shorijeh F., Ma'mani L., **Sheikhi Garjan A.**, Hosseini R., Mahdavi V. and Heidary Alizadeh, B., 2020. Repellency and Control of Nymph of Greenhouse Whitefly (*Trialeurodes Vaporariorum*) Using Nanobiopesticide. *Journal of Biosafety*, 12(4), pp.97-110.

Journals papers

- Sheikhigarjan A. 2002.** Bioassay of different life stages of Sunn pest to six insecticides and analysis of data by three methods. *Journal of Agricultural Sciences, Islamic AzadUniversity*, V 8(2):.
- Sheikhigarjan A. (2000).** Duration Toxicities of Nine Insecticides Based on Mortality of *Trissolcus grandis* (Thom.) (Hym.; Scelionidae). *Journal of Entomological Society of Iran*, V 20(2):**57-70**.
- Sheikhigarjan A. Talebi Kh., and Pourmirza, A.(2005).** Effect of some pyrethroid and organophosphorous insecticides on developmental stages of *Trissolcus grandis* (Thom.) (Hymenoptera: Scelionidae). *Journal of Science and Technology of Agriculture Isfahan University of Technology*.
- Baniameri, V. and A. Sheikhigarjan 2006.** An investigation on different concentrations imidacloprid as soil application against whitefly, *Bemisia tabaci* (Gennadius) in Greenhouse Cucumber. *Integrated Control in protected Crops, Mediterranean Climate, IOBC/wprs Bulletin Vol.29* (4)
- Sheikhigarjan A., Keyhanyan, A., and Moein S., 2004.** Efficiency of micronairs in chemical control of Sunn pest nymphs. *Applied Entomology and Phytopathology*, (Special), pp.P19-31.
- Saberfar, F.,. Baghdadi, A., and **Sheikhigarjan A.** 2009 Improvement in performance of abamectin and cyromazin insecticides by adding petroleum oils against leafminer, *liriomyza sativae* Blanchard (Diptera:Agromyzidae) in cucumber. *Int. j. agric. Environ. & biotechnology*, 2(2):180-183
- Saberfar, F., and **Sheikh Garjan, A.** 2009 Study on the resistance insecticides on the cucumber leafminer *Liriomyza sativae* (Blanchard) (Dip: Agromyzidae) under laboratory condition. *Resistant Pest Management Newsletter*, 18(2):39-43.
- Hamedil, N., Fathipour, Y., Saber, M. and **Sheikhigarjan A.**, 2009 Sublethal effects of two common acaricides on the consumption of *Tetranychus urticae* (Prostigmata: Tetranychidae) by *Phytoseius plumifer* (Mesostigmata: Phytoseiidae. *Systematic & applied acarology*, 14: 197-205.
- Marzieh Rashid, Ahmad Baghdadi, **Sheikhigarjan A.**, Hamid-Reza Pourian, Mehran Gazavi 2010 Compatibility of *Metarhizium anisopliae* (Ascomycota: Hypocreales) with Several Insecticides. *Journal of Plant Protection Research*, **50(1):22-27**.
- Sabahi Q, Rasekh A, Sangaki A H, and **Sheikhigarjan A.** 2009. The persistence toxicity of three insecticides against adult of a thelytokous parasitoid, *Lysiphlebus fabarum* (Hymenoptera: Aphidiidae. *Communications in Agricultural and Applied Biological Sciences*, 74(1):**159-164**.

- F. Saberfar and **Sheikhigarjan A.** 2010. Effect Evaluation Tween Surfactant That Improved Performance of Abamectin on Cucumber Leafminer *Liriomyza sativae* Blanchard (Dip: Agromyzidae). *Resistant Pest Management Newsletter*, **2(1):33-37**.
- Mahmoudvand, M., Abbasipour, H., Garjan, A.S. and Bandani, A.R., 2011. Sublethal effects of hexaflumuron on development and reproduction of the diamondback moth, *Plutella xylostella* (Lepidoptera: Yponomeutidae). *Insect Science*, *18(6)*, pp.689-696.
- Mahmoudvand, M., Abbasipour, H., **Garjan, A.S.** and Bandani, A.R., 2011. Sublethal effects of indoxacarb on the diamondback moth, *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae). *Applied Entomology and Zoology*, *46(1)*, pp.75-80.
- Pirmoradi, N. A., **Sheikhigarjan A.**, Baniameri, V. and Imani, S. 2010. Evaluation of susceptibility of the first instar nymphs and adults of *Trialeurodes vaporariorum* (Hemiptera: Aleyrodidae) to neonicotinoid insecticides under laboratory conditions. *Journal of Entomological Society of Iran*, *31*: 13-24.
- Mohammadipour, A., Ghazavi, M., Baghdadi, A. and **Sheikhigarjan A.** An investigation of the efficacy of two Iranian isolates of *Metarhizium anisopliae* against Russian wheat aphid, *Diuraphis noxia* (Hemiptera: Aphididae) under laboratory conditions. *Iranian J. Plant Protection Science* 01/2009; *41(2):353-359*.
- Sedighi, N., Abbasipour, H., Askary, H. and **Sheikhigarjan A.** , 2013. Effect of oil suspended conidia of *Metarhizium anisopliae* var. major on mortality of the sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae). *Archives Of Phytopathology And Plant Protection*, *46(2)*, pp.128-140.
- Sedighi, N., Abbasipour, H., Askary, H., **Sheikhigarjan A.** and Karimi, J., 2013. Pathogenicity of the entomopathogenic fungus *Metarhizium anisopliae* var. major on different stages of the sunn pest, *Eurygaster integriceps*. *Journal of Insect Science*, *13(1)*, p.150.
- Jafarpour, A.A., **Sheikhigarjan A.** , Imani, S., Mahjoub, S.M. and Mahmoudvand, M., 2011. Toxic effects of neonicotinoid insecticides on nymphs and adults of the sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae). *Acta Entomologica Sinica*, *54(8)*, pp.938-942.
- Mahmoudvand, M., **Sheikhigarjan A.** , Rahimi, H., Reza, A., Nezhad, A., Mohajeri, M.E., Mohammadipour, A. and Fazel, M.M., 2011. Susceptibility of Males and Females of Cucumber Fruit Fly, *Dacus ciliatus*, to Various Insecticides in the Laboratory Conditions. *Biological*, p.4213.
- Mahmoudvand, M., Abbasipour, H., **Sheikhigarjan A.** . and Bandani, A.R., 2010. Effectiveness of indoxacarb and hexaflumuron on eggs, larvae and adults of *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae). *Acta Entomologica Sinica*, *53(12)*, pp.1424-1428.
- Mahmoudvand, M., **Sheikhigarjan A.** . and Abbasipour, H., 2011. Ovicidal effect of some insecticides on the diamondback moth, *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae). *Chilean Journal of Agricultural Research*, *71(2)*, p.226.
- Mahmoudvand, M., Abbasipour, H., **Sheikhigarjan A.** , and Bandani, A.R., 2010. Effectiveness of indoxacarb and hexaflumuron on eggs, larvae and adults of *Plutella xylostella* (L.) (Lepidoptera: Yponomeutidae). *Acta Entomologica Sinica*, *53(12)*, pp.1424-1428.
- Mozaffari, F., Abbasipour, H., **Sheikhigarjan A.** , Saboori, A. and Mahmoudvand, M., 2012. Efficacy of *Thuja orientalis* L. (Cupressaceae) essential oil on the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). *Journal of Essential Oil Bearing Plants*, *15(4)*, pp.550-556.

Shahnazariaval, S., Karimi, J., Aghajanzade, S., Hasanshahi, G., **Sheikhigarjan A.** and Abbasipour, H., 2013. The toxicity and synergistic effects of alkyl-succinate oil on the first nymphal instars of the citrus cottony scale, *Pulvinaria aurantii* Cock.(Hem.: Coccidae). Archives of Phytopathology and Plant Protection, 46(17), pp.2062-2069.

Rashid, M., **Sheikhigarjan A.** , Naseri B. , Ghazavi, M. and Barari, H., 2012. Compatibility of the entomopathogenic fungus *Beauveria bassiana* with the insecticides fipronil, pyriproxyfen and hexaflumuron. Journal of Entomological Society of Iran, 31(2), pp.29-37.

Fatemikia, S., Abbasipour, H., Karimi, J., Saeedizadeh, A. and **Sheikhigarjan A.** 2014. Efficacy of *Elettaria cardamomum* L.(Zingiberaceae) essential oil on the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). Archives of Phytopathology and Plant Protection, 47(8), pp.1008-1014.

Shahnazariaval, S., Karimi, J., Aghajanzade, S., Hasanshahi, G., **Sheikhigarjan A.** and Abbasipour, H., 2013. The toxicity and synergistic effects of alkyl-succinate oil on the first nymphal instars of the citrus cottony scale, *Pulvinaria aurantii* Cock.(Hem.: Coccidae). Archives of Phytopathology and Plant Protection, 46(17), pp.2062-2069.

Safari, M., Shamabadi, Z. and **Sheikhigarjan A.** , 2013. Comparison of Tractor air assisted boom sprayer with conventional sprayers to control SunnPests in Wheat production. International Journal of Agriculture and Crop Sciences,5(4), p.433.

Mahmoudvand, M., Abbasipour, H., V. **Sheikhigarjan A.** and Bandani, A., 2012. Change in life expectancy and stable age distribution of the diamondback moth, *Plutella xylostella* (L.) after indoxacarb treatment. Journal of Plant Protection Research, 52(3), pp.342-346.

Mozaffari, F., Abbasipour, H., **Sheikhigarjan A.** , Saboori, A. and Mahmoudvand, M., 2013. Toxicity and Oviposition Deterrence and Repellency of *Mentha pulegium* (Lamiaceae) Essential Oils against *Tetranychus urticae* Koch (Tetranychidae). Journal of Essential Oil Bearing Plants, 16(5), pp.575-581.

Arbabtafti, R., **Sheikhigarjan A.**, Mahmoudvand, M. and Mohammadipour, A., 2012. Cost–benefit analysis of pistachio twig borer, *Kermania pistaciella* Amsel (Lepidoptera: Oinophylidae) chemical control. Archives of Phytopathology and Plant Protection, 45(16), pp.1972-1979.

Arbabtafti, R., **Sheikhi Garjan, A.** and Hosseini Gharalari, A., 2012. Crop Loss Assessment of *Lixus incanescens* Boh.(Coleoptera: Curculionidae) on Sugar Beet, *Beta Vulgaris* L.Jordan Journal of Biological Sciences, 3, pp.197-202.

Mahmoudvand, M., Abbasipour, H., **Sheikhigarjan A.** and Bandani, A.R., 2012. Life expectancy (ex) and stable age distribution (Cx) of *Plutella xylostella* (L.)(Lep.: Yponomeutidae), exposed to sublethal doses of hexaflumuron. Archives of Phytopathology and Plant Protection, 45(3), pp.318-324.

Sedighi, N., Abbasipour, H., Askary, H. and **Sheikhigarjan A.**, 2013. Effect of oil suspended conidia of *Metarhizium anisopliae* var. major on mortality of the Sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae).Archives Of Phytopathology And Plant Protection, 46(2), pp.128-140.

Rahimzadeh, A., Rashid, M., **Sheikhigarjan A.** and Naseri, B., 2012. Laboratory evaluation of *Metarhizium anisopliae* (Metschnikoff) for controlling *Amitermes vilis* (Hagen) and *Microcerotermes gabrielis* (Weidner)(Isoptera: Termitidae). *Journal of Crop Protection*, 1(1), pp.27-34.

Rashid, M., **Sheikhigarjan A.**, Naseri, B., and Saberfar, F., 2012 Comparative toxicity of five insecticides against subterranean termite, *Amitermes vilis* (Isoptera: Termitidae) under laboratory conditions. *Mun. Ent. Zool.* 1044-1050

Gholami, Z., Sadeghi, A., **Sheikhigarjan A.**, Nazemi Rafi, J. and Gholami, F., 2015. Susceptibility of western flower thrips *Frankliniella occidentalis* (Thysanoptera: Thripidae) to some synthetic and botanical insecticides under laboratory conditions. *Journal of Crop Protection*, 4, pp.627-632.

Gholami, Z., Sadeghi, A. and **Sheikhigarjan A.**, 2015. Assessing the role of exposure time of chemical and botanical insecticides on the mortality and knockdown effect of western flower thrips, *Frankliniella occidentalis* Pergande. *Int. J. Curr. Microbiol. App. Sci*, 4(1), pp.678-684.

Kheradmand, K., Beynaghi, S., Asgari, S. and **Sheikhigarjan A.**, 2015. Toxicity and Repellency Effects of Three Plant Essential Oils Against Two-spotted Spider Mite, *Tetranychus urticae* (Acari: Tetranychidae). *Journal of Agricultural Science and Technology*, 17(5), pp.1223-1232.

Beynaghi, S., Kheradmand, K., Asgari, S. and **Sheikhigarjan A.**, 2014. Sublethal Effects of *Cuminum cyminum* and *Eugenia caryophyllata* essential oils on two-spotted spider mite, *Tetranychus urticae*. *Applied Entomology and phytopathology* 82(2): 81-90.

Sheikhigarjan A., Arbabtafti R., Kolyae R., and Mohammadipour A. 2016. Efficacy of imidacloprid insectigation against Leopard moth *Zeuzera pyrina* L. (Lep.: Cossidae) on walnut trees. *Plant Protection (Scientific Journal of Agriculture)*, 39(2) :37-45.

Ardeh M. J., Bagheri M. R., Yousefi M., Hosseini Gharalari A. and **Sheikhigarjan A.** . 2016. Comparing the efficacy of spirotetramat (SC100) with regular insecticides against onion thrips, *Thrips tabaci* Lindeman. *Pesticides in Plan Protection Sciences*, 2(2):123-132.

Sheikhigarjan A., Hosseini-gharalari A., Mahjob M., Rashid M., Q. Sabahi, M. Safari, Jalilyan F. and Arbabtafti R. 2016. Accuracy and efficiency of conventional ground sprayers in Iran. *Acta Phytopathologica et Entomologica Hungarica* 51 (2): 297–304.

Javadzadeh M., **Sheikhi-Garjan, A.** and Hosseini-Gharalari A., 2017. Susceptibility of different populations of *Tribolium confusum* (Coleoptera: Tenebrionidae) to malathion (EC 57%) in flour mills of Iran. *Acta Phytopathologica et Entomologica Hungarica*, 52(1), pp.111-115.

Ardestaniroostami H., **Sheikhigarjan A.**, Arbab A. and Javadzade M. 2016. Control of pear psylla, *Cacopsylla pyricola* by trunk injection of azadirachtin and complete. Fertilizer. *Iranian Journal of Plant Protection Science*, Vol 47, (2): 253-261.

Noori H. and **Sheikhigarjan A.** 2016. Investigation on efficacy of different formulations and insecticides on overwintered adult sunn pest *Eurygaster integriceps* (Hem.: Scutelleridae) in Qazvin region. *Iranian Journal of Plant Protection Science*, Vol 47, (1): 107-114.

Sheikhigarjan A., Mohamadizadeh M., Nematyan M., and Zarrani F. 2017. Natural Resistance of Eight Sapling Species to Subterranean Termite, *Microcerotermes gabrielis* (Weidner). *Journal of Plant Protection*. Vol. 31,(20): 250-256.

Javadi pouya H., **Sheikhigarjan A.**, and Imani S. 2015. Evaluate the efficiency of commercial formulation of deltamethrin (EC and SC) against Sunn pest (*Eurygaster integriceps* Puton). *Journal of Novel Researches on Plant Protection*. Vol. 7(1):25-49.

Marzban R., **Shaikhi Garjan A.**, Mirzay M., Mohammadipoor A., Gilasian E., Eslamizadeh R. and Khabaz H., 2018. Evaluation of the efficacy of *Bacillus*

thuringiensis in the biological control of Dipteran pests of mushroom in the laboratory and the farm. *BioControl in Plant Protection*, 5(2), pp.55-63.

Mohammadipour A., **SheikhiGarjan A.** and Ardeh M.J. 2018. Effect of different light spectrums on the capture of tomato leaf miner, *Tuta absoluta* (Lep.: Gelechiidae). *Iranian Journal of Plant Protection Science*, 48(2):243-251.

ShekhiGarjan A., Rahmani M., Emani S. and Javadzadeh M. 2018. Toxicity of Some New Generation Insecticides Against Tomato Leafminer Moth, *Tuta absoluta* (Meyrick) Under Laboratory and Greenhouse Conditions. *Journal of Applied Research in Plant Protection*. 7(1):99-108.

Afsari F., **SheikhiGarjan A.**, Imani S. and Ostadi V. 2019. Interaction of hexaflumuron and flubendiamide mixture against the larvae of diamondback moth *Plutella xylostella*. *Plant Pest Research*. 9(2):63-74.

Kiarasi M., Arbab A., **SheikhiGarjan A.**, Moradi M. and Mohammadipour A. 2018. Investigation on the Efficacy of Chemical Control of Elm Leaf Beetle, *Xanthogaleruca luteola* Mull. by Trunk Injection. *Journal Pesticides in Plant Protection Sciences*. 5(1):32-42.

Mardani A., Sabahi Q. and **Sheikhi-Garjan A.** 2021. Lethal and sub-lethal effects of insecticides chromafenozide, pyridalyl and thiodicarb on parasitoid wasp, *Habrobracon hebetor*. *Plant Pests Research*, 10(4):1-14.

Kordestani M., Mahdian K., Baniameri V. and Sheikhi-Garjan, A. 2021. Effect of three oviposition feeding substrates on biology and life table parameters of *Orius laevigatus*. *International Journal of Tropical Insect Science*, 41(2):1523-1529.

Khanjani M., Saberfar F., Mirzaie-Asl, A. and **Sheikhi-Garjan A.** 2020. Resistance mechanisms of the two-spotted spider mite, *Tetranychus urticae* (Acari: Tetranychidae) populations to fenpyroximate. *Journal of Crop Protection*. 9(2):337-345.

Conference papers:

SheikhiGarjan A. (1998). Determination of heptenophos residue in cucumber. In The 13th Iranian Plant Protection Congress, Karaj, Iran, September.

SheikhiGarjan A. (1996). Residue of insecticides in cucumber in Iran. In International Symposium on the use of nuclear and related techniques for studying environmental behavior of crop protection chemicals. International Atomic Energy Agency Food and Agriculture Organization of The United Nation, Vien, Austria, 1-5 July .

SheikhiGarjan A. (2000). Selection of the most effective insecticides on *Eurygaster intergriceps* put. By laboratory bioassay and RPRC Index. In The 14th Iranian Plant Protection Congress..

9. SheikhiGarjan A. Talebi Kh., and Saber, M. (2001). Determination of RPRC Index for insecticides used in Sunn pest infected fields. In The 4th Asia Pacific Conference of Entomology (APCE), Kuala Lumpur, Malaysia.14-17 August.

SheikhiGarjan A., Talebi Kh., Pourmirza, A., Saber, M. and Morowati, M. (2002). Effect of pyrethroid and organophosphorus insecticides on developmental stages of *Trissolcus grandis* (Thom.). In The 15th Iranian Plant Protection Congress..

Saber, M.; Hassan, S.A.; Hejazi, J. and Sheikhi, A.(2001). Susceptibility of different stages of *Trichogramma cacoeciae* marshal (Hym: TRICHOGRAMMATIDAE) to neemazal. In the 4th. Asia pacific conference of Entomology (APCE). Kuala Lumpur, Malaysia.14-17 August.

Saber M., Hejazi M.J., and Sheikhhigarjan A.(2002).Effect of sub lethal concentration of fenitrothion and deltamethrin on functional response of Sunn pest egg parasitoid *Trissolcus semistriatus*. In The 15th Iranian Plant Protection Congress.. Kermanshah, Iran,7-11September .

Morowati, M. Khakbaz, J., Jabber L.; Tabrizian M. and Sheikhhigarjan A.(2002). To investigate the efficacy of the new anticoagulant rodenticide Baraki (Difethialone) in comparison with lanitrat (Bromadiolone) against *N. indica*. In The 15th Iranian Plant Protection Congress.. Kermanshah, Iran, 7-11September. .

Sheikhhigarjan A., Talebi Kh., Pourmirza A., Rajabi and J. Khalghani (2000).Selection of the most effective insecticides on *Eurygaster integriceps* put. by laboratory bioassay and RPRC Index. In the 14th Iranian Plant Protection Congress..

Sheikhhigarjan A., Mohammadipour A., Rajabi Gh. and Gh. Sabahi (2004).Timing as a tactic of ecological selectivity for chemical control of Sunn pest *Eurygaster integriceps* Put. 2nd International Conference on Sunn Pest ICARDA, Aleppo, Syria.

SheikhhigarjanA., Mohammadipour A., Amir-maafi M., and S. Asgari(2004).The influence of insecticide residues on foraging behavior of Sunn pest egg parasitoid (*Trissolcus grandis*) in the laboratory. 2nd International Conference on Sunn Pest ICARDA, Aleppo, Syria

Sheikhhigarjan A., Moein S., Mirzalou, M., Sabahi Gh. and A.Mohammadipour (2004).Efficiency of micronairs in chemical control of Sunn pest nymphs. In the 16th Iranian Plant Protection Congress.

Salehi Ardakani, A., Tajbakhsh, M., Morowati, A.,and A. **Sheikhhigarjan** 2004. Determination of endosulfan and diazinon residues on cucumber and tomato in Kohgiluyeh Boyerahmad province. In the 16th Iranian Plant Protection Congress.

Bizhannia A. R., Sheikhhigarjan A., Mavvajpoor, M.and Rahi, M. R. 2004.The effect of different dose of pyriproxyfen on various stages of silkworm, *Bombyx mori* (L.). the 16th Iranian Plant Protection Congress..Tabriz University, Tabriz, Iran.

Sheikhhigarjan A. Tohidi². M., Keyhanyan,A., Jafari,S., Yusefi,M.and M. Jamshidi, 2006.The role of application timing against nymphs of sunn pest on punctured kernel percentage of wheat. 17th Iranian Plant Protection Congress., TehranUniversity, Karaj, Iran.

Sheikhhigarjan A., Keyhanyan, A., Mahjoub, M. and Gh.Abdollahi 2006. Study on efficacy and calibration accuracy of conventional ground sprayer in the sunn pest control . 17th Iranian Plant Protection Congress., Tehran University, Karaj, Iran.

Sheikhhigarjan A., Arjomandnezhad, A. and Modarress Najafabady, S.2006 Study on infestation rate of Zabol melons to fruit flies. 17th Iranian Plant Protection Congress.,Tehran University, Karaj, Iran.

SheikhhigarjanA., Asgari, S., Jafari, S. and Karimzadeh, J. 2006. Influence of formulation quality of endosulfan upon efficiency and the persistence of deposit in the control of whitefly(*Bemisia tabaci* Lind.) 17th Iranian Plant Protection Congress., Tehran University, Karaj, Iran.

Keyhanian, A.A., **Sheikhhigarjan A.**and M.Amini khalaf. 2006. Efficiency of different insecticides against the cabbage aphid, *Brevicoryne brassicae* L.on canola under field conditions in Saveh. 17th Iranian plant protection congress.

Sheikhhigarjan A., A. Avand Fagih, A. Yazdani, M.Nasseri, M. Aminae, H. Zohdi, and Karimzade, J.2008.Chemical control efficiency in reduction of the fruit bunchinfestation to pistachio twig borer, *Kermania pistaciella* Amsel (Lepidoptera, Oinophylidae). 18th Iranian Plant Protection Congress., Bou Ali Sina University, Hamadan, Iran.

Bizhannia, A., Sheikhigharjan A., M. Mavvajpoor, M.Rahi, and MoeiniNaghade N. 2008. The effect of pyriproxyfen residue on silkworm life-history parameters. 18th Iranian Plant Protection Congress., Bou Ali Sina University, Hamadan, Iran.

Rashid M., Baghdadi A., **Sheikhi A.**, Ghazavi MMohammadipoor A., and Zeshti F. 2008. Compatibility of *Metarhizium anisopliae* with insecticides formulation used against subterranean termites control. 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

Rashid M, M. Ghazavi, A. Sheikhi, A. Baghdadi, A. Mohammadipoor and Zeshti F. 2008. Compatibility of two Insect growth regulators (IGRs) and fipronil on *Beauveria bassiana*. 18th Iranian Plant Protection Congress., Bou Ali Sina University, Hamadan, Iran.

Zeshti, F., A. Baghdadi, A. Sheikhi, H. Ghajariyeh and Rashid M. 2008. *Susceptibility of preliminary larval stage of vegetable leafminer, Liriomyza sativae Blanchard (Dip: Agromyzidae) to natural extracts.* 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

AmeriTourzani S., Keyhanian, A., Marouf, A., S., Imani and Sheikhigharjan A. 2008. The susceptibility of different population of *Tribolium confusum* to malathion by bioassay technique. 18th Iranian Plant Protection Congress., Bou Ali Sina University, Hamadan, Iran.

Avand Fagih, A., Darougheh, H., Yazdani, A., Nasser, M. **Sheikhigharjan A.** and Gries, G. 2008. Field testing of a pheromone based attracticide for control of pistachio twig borer moth, *Kermania pistaciella* Amsel (Lepidoptera, Oinophylidae). 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

Barrari, H., Keyhanian, A.A., Sheikhi, Garjan, A. and Espahboodi. A. 2008. Efficacy different insecticides against *Helicoverpa armigera* on soybean in Mazandaran. 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

Pourhaji, A. and Sheikhigharjan. A. 2008. Assessment of the efficiency of tracer and Runner, two new insecticides on grapevine moth, *Lobesia bottrana* (Denis and schiffermuller) (Lepidoptera: Tortricidae). 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

Koliaii, R., Taghaddosi, M. V., Ghannadamooz, S., Keyhanian, A.A. and Sheikhigharjan. A. 2008. Determination of the best trap and attractant against olive fruit fly *Bactrocera olea* in olive growing provinces. 18th Iranian Plant Protection Congress., BouAliSinaUniversity, Hamadan, Iran.

Sheikhigharjan A., Mohammadipoor A., and Mahmoudvand, M. 2009. Study On The Plant Protection Congress Proceedings Of Iran With Emphasis On The Chemical Control Of Plant Pests . Conference of *Half a Century of the Pesticide Usage. Iran*, Tehran. V(2). 12p.

Karimzadeh, J., Besharatnajat, M.H., **Sheikhigharjan A.**, and Marzaban, R. 2012. Efficacy of chemical and biological insecticides against cabbage moth. The 2nd National Food Security Seminar. Savadkoh, Azad university of Savadkoh, Mazandaran,

Arbabafti, R., **Sheikhigharjan A.**, Asgari, H. and Damghani, R. 1392. Efficacy of some plant compounds in controlling the dubas bug, *Ommatissus binotatus*. Second national congress on organic and conventional agriculture, University of Mohaghegh. 21-22 Aug..

Mozaffari, F., Abbasipour, H., Sheikhigharjan A., and Saboori, A. 2010. Ovicidal effect of essential oils of *Cinnamomum zeylanicum* Blum, *Thuja orientalis* L. and *Mentha pulegium* L. on *Tetranychus urticae* Koch. 19th Iranian Plant Protection Congress, Tehran, 31 July- 3 August

Sheikhigarjan A. , Mahmoudvand M., and Javzade, M. 2010. The effect of adjuvant in concentration reduction of imidacloprid against *Brevicoryne brassicae* (L.) (Homoptera: Aphididae) in the field. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Mashhadi, Z., Sheikhigarjan A., Rafiee Dastjerdi, H., Golizade and Hassanpour, M. Susceptibility of egg, larval and adult stages of *phthorimaea A. operculella* (Zeller) Lep.: Gelechiidae to abamectin under laboratory conditions. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Haghshenas, A. R., and Sheikhigarjan. A. 2010. Investigation on efficacy of lambda-cyhalothrin (CS10) with different doses on sunn pest. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Asgari, Sh., Sheikhigarjan A. and Manzari. S. 2010. An investigation on the susceptibility of onion thrips, *Thrips tabaci* to new insecticides in garlic fields. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Sheikh Garjan, A., R. Ghayorfar, R. Kolyaee, B. Motamediniya, A. Bagheri, Hoshyar H., and Mohammadpour. K. 2010. Efficacy of three insecticide groups against subterranean termites of date palms. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Sheikhigarjan A. and A. Mohammadipour. 2010. The effect of insecticide exposure time on the mortality of sunn pest, *Eurygaster integriceps* Puton (Hem.: cutelleridae). 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Pirmoradi Amozegarfar, N., **Sheikhigarjan A.**, Baniameri, V. and S. Imani 2010. Evaluation of susceptibility of the first instar nymph and adult stages of *Trialeurodes vaporariorum* (Hemiptera: Aleyrodidae) to neonicotinoid insecticides under laboratory Conditions.). 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August.

Jafarpour, A., **Sheikhigarjan A.**, Eimani S. and Javzade, M. 2010. The susceptibility of sunn pest, *Eurygaster integriceps* Puton, to neonicotinoid insecticides by chemigation. 19th Iranian Plant Protection Congress, Tehran, 31 July-. 3 August

Sheikhigarjan A., A. Mohammadipour, R. arbabtafti, M. Mahmood, Kh. Arabjafari, A. Keyhanian, M. Ardehand Asgari Sh.. 2012. Is the insecticide recommendation as dosage (gr or ml/ha) against *Plutella xylostella* (L.) correct?. 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August .

Haghshenas, A. R. and A. Sheikhigarjan. 2012. The role of some adjuvants on dosage reduction of fenitrothion and deltamethrin in sunn pest control. . 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August .

Ebrahimi, N., A. A. Taleby and A. Sheikhigarjan 2012. Lethal effect of indoxacarb and hexaflumuron insecticides on 3th instar of diamondback moth, *Plutella xylostella* (L.) (Lep.: Plutellidae), under laboratory conditions. 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August .

Gholami, Z., A. Sadeghi, A. SheikhiGarjan and F. Gholami. 2012. Assessing the role of contact time of chemical and botanical insecticides on the mortality of *Frankliniella occidentalis* Pergande (Thysanoptera: Thripidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August .

Mashhadi, Z., Rafiee - Dastjerdi, H. **Sheikhigarjan A.** Golizadeh, A. and Hassanpour, M. 2012. Side-effects of abamectin and deltamethrin on reproductive parameters of potato tuber moth, *Phthorimaea operculella* (Zeller) (Lep.: Gelechiidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August .

Rashid, M., **Sheikhigarjan A.** Ghazavi, M. Naseri, B. and Saberfar, F. 2012. Study on the interaction of Pyriproxyfen and *Metarhizium anisopliae* (Metschnikoff) mixture on

subterranean termites *Amitermes vilis* (Hagen). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Saberfar F, **Sheikhigarjan A.**, Shafie M. and Rashid, M. 2012. Susceptibility of the first instar larvae of vegetable leafminer *Liriomyza sativae* Blanchard to four new insecticide groups. . 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Sedighi, N., Abbasipour, H., Askari H., **Sheikhigarjan A.** and Karimi. J. 2012. The effects of the fungus, *Metarhizium anisopliae* var. *anisoplaie* on different stages of the sunn pest, *Eurygaster integriceps* (Hemiptera: Scutelleridae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Ghamari, Z., Abbasipour, H. Askari, **Sheikhigarjan A.** and Sedighi. N. 2012.. Application of Iranian isolates of *Beauveria bassiana* for control of the sunn pest, *Eurygaster integriceps* Puton (Heteroptera: Scutelleridae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Mozaffari, F., Abbasipour, H., **Sheikhigarjan, A.** Saboori, **A.**, and Mahmoudvand M. 2012. Repellency and oviposition deterrence of *Thuja orientalis* L. essential oil on the two-spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Mozaffari, F., Abbasipour, H., **Sheikhigarjan, A.**, Saboori, **A.**, and Mahmoudvand M. 2012. Acaricidal effect (LC50 and LT50) of some plant essential oils on the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Mozaffari, F., Abbasipour, H., **Sheikhigarjan, A.**, Saboori A. , and Mahmoudvand M. 2012. Acaricidal effect of *Cinnamomum zeylanicum* and *Mentha pulegium* essential oils on the two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Sheikhigarjan A., Tavakoli, Gh. Zohdi, H., Jafarinadoshan, A., Yosefi, M., Avandfagih, A., Tabriziyan, M., Sajadinejad S. M., Mohammadipour, A., Asgari H. and M. J. Soroush. 2012. Efficacy of pheromone products basis on capturing male leopard moth borer *Zeuzera pyrina* L. (Lep.: Cossidae). 20th Iranian Plant Protection Congress, Shiraz University, Shiraz, Iran. 25–28 August.

Mirzaei M., Rava, S., and **Sheikhigarjan A.** 2015. Susceptibility of mushroom flies to different insecticide groups. The First Iranian International Congress of Entomology, Iranian Research Institute of Plant protection, August 29 to 31.

Sheikhigarjan, A., Mokhtarian, A., Arbabtafti, R., Mohamadipour, A., and Alavi, M. 2015. Efficacy of chemical control by injection against Dubas Bug *Ommatissus lybicus* Bergevin. The second National Conference and Scientific Festival date, University of Bam, August 15 to 16.

. Arbabtafti, R., **Sheikhigarjan, A.**, Alavi, M. Mohamadipour, A. and Asari M. J., 2015. Efficacy of new insecticide generation on Dubas Bug *Ommatissus lybicus* Bergevin. . The second National Conference and Scientific Festival date, University of Bam, August 15 to 16.

Arbabtafti, R., Mohamadipour, A., Alavi, M., **Sheikhigarjan, A.**, Mokhtarian, A. and Asari, M. J. 2015. Efficacy of organic insecticide against Dubas Bug *Ommatissus lybicus* Bergevin. . The second National Conference and Scientific Festival date, University of Bam, August 15 to 16.

Ardestani, H., **Sheikhigarjan, A.**, Arbab, A., Mohammadipour, A. and Razin A. 2016. Efficacy of Trunk Injection of insecticides and Complete fertilizer against pear psylla,

Cacopsylla pyricola (Foerster) (Hemiptera: psyllidae).). Proceeding of 22nd Iranian Plant Protection Congress, UT, Karaj, Iran. 27–30 August.

Mokhtarian , A., Pakyari, H., **Sheikhigarjan, A.**, Arbab, A., Mohammadipour, A., Ardestani rostami H. 2016. Chemical Control of Leopard Moth Borer *Zeuzera pyrina* L. (Lep.:Cossidae) on Walnut Trees by Injection. Proceeding of 22nd Iranian Plant Protection Congress, UT, Karaj, Iran. 27–30 August.

Books:

Najafi Mirak T. and Sheikhigarjan A. 2004. Guid of wheat (growing stage). Agricultural Research and Education Organisation.Tehran. Iran.pp.152.

Sheikhigarjan A., and Zand, S. (Translated into Persian).2006. Application of pesticides to crops. (Edited by Mththews, G.A.1999.). Plant pests and diseases of Research institute, Tehran, Iran.pp 362.

Sheikhigarjan A. Najafi, H., Abbasi, S. Saberfar,F., Rashid, M., and Moradi M. 2015. The chemical and organic pesticide guide of Iran 2016. Paytakht press, Tehran, Iran,p.412.

Gholami, Z., Sadeghi, A., **Sheikhigarjan A.** ,2015.Insecticide resistance in Insect pest.Elm Keshavrzi Iran press, p. 106.

Sheikhigarjan A., Najafi H., Abbasi Azimi H. and Moradi M. 2021. The Chemical And Organic Pesticide Guide Of Iran 2021. Rah Dan press, Tehran, Iran, p.525.

Theses supervised:

- ✓ Efficiency of pesticides and fertilizer by injection against pear *Psyll Psylla pyricola* Foerster(Hemiptera: psyllidae) in Karaj. .(M.Sc.2014)
- ✓ Evaluation chemical control of *Xanthogaleruca luetla* (Coleopteran:Chrysomelide) by injection. .(M.Sc.2015)
- ✓ Comparision of effectiveness of some insecticides by foliage application and trunk injection against *Agonosceiae pistaciae*. .(M.Sc.2015)
- ✓ Application of insecticides (imidaclopride, oxydemeton-methyl, thiamethoxam) and fertilizers by injection against *Zeuzera pyrina* in Qazvin. (M.Sc.2015).
- ✓ Susceptibility of mushroom sciarid fly, *Lycoriella auripil*, to different insecticide groups. (M.Sc.2014).
- ✓ Toxicity and biochemical effects of emamectin benzoate combined with some common insecticides on *Tuta absoluta* (Lepidoptera: Gelechiidae) . (PhD. 2021)
- ✓ Feasibility study of using three insecticides with parasitoid wasp, *Habrobracon hebetor* Say to control tomato fruit worm at laboratory and greenhouse conditions. (PhD. 2021)

- ✓ To evaluate the susceptibility of the family Tetranychidae mites and the predatory mites into selective acaricides in nahavand apple orchards. . (PhD. 2016)
- ✓ Demography and efficiency of *Orius laevigatus* Fieber and *Amblyseius swirskii* (Athias-Henriot) on the western flower thrips, *Frankliniella occidentalis*(Pergande). . (PhD. 2017)

Software and E-publications:

Sheikhigarjan A. Najafi, H., Abbasi, S. Saberfar, F., and Rashid, M. 2009. The chemical pesticide guide of Iran. In windows application. CD

Sheikhigarjan A. Najafi, H., Abbasi, S. Saberfar, F., Rashid, M. and Moradi M. 2015. Pesticide Guidness. In android application.