



CURRICULUM VITAE



Ali Akbar Keyhanian(Ph.D.)

Personal information:

Date of birth: Born on 4.6.1958, Ramsar, Mazandaran province

Nationality: Iran

Marital status: Married

Iranian Research Institute of Plant Protection (IRIPP)

Research Department of: Agricultural Entomology

P.O. Box 1454, Tehran 19395, Iran

Tel: +98 2122403012-16

Fax: +98 21 22403691

E-mail: keyhanian37@yahoo.com, keyhanian37@gmail.com

URL: www.iripp.ir

Academic rank: Associate Research Professor

Education:

PhD: Agricultural Entomology, Haryana Agricultural University, India, 2000

MSc: Agricultural Entomology, Tehran University, Iran, 1991

BSc: Plant protection, Gilan University, Iran, 1984

Thesis:

- Population dynamics, insect-pest damage and management of *Helicoverpa armigera*(Hb.) on sunflower.(Ph.D.)
- An investigation on biology and ecology of long horned grasshoppers *Polysarcus elbursianus* UV. (Tet. Phaneropterinae) in Karaj and vicinity.(MSc)

Research interests: Applied Entomology in Oilseed crop and Olive, Biology and Ecology in insect-Pests.

Professional Membership:

1. Oilseed crop. Heidarabad. India. 2000-2006.
2. **Entomological Society of Iran. 1996.**

Research projects:

1. An investigation to the biological characteristics and population fluctuation of *Uvarovistia zebra* U.V.in Tarom district.
2. Biology and seasonal population fluctuation of the Olive Psylla *Euphillura olivine* Costa. (Hom.;Aphalaridae) in Tarom oulia of the Zandjan Province.
3. Identify and evaluate the major pests of rice in Zandjan province.
4. Studying on effect on different varieties of wheat on sex ratio and reproduction of granary weevil, *Sitophilus granarius* L. (Col;Curculionidae).
5. Identification of Mealybug on ornamental plants.
6. A faunistic study on insect pests and its natural enemies in canola fields at different regions of Iran.
7. A study on population fluctuation of the safflower fly, *Acanthiophilus helianthi* Rossi (Diptera: Tephritidae) and field evaluation of losses in the Ghom.
8. Biology of flea beetle (*phyllostreta corrugate*) in canola.
9. The study of bio-ecology mummies aphid *Brevicoryne brassicae* L. on Canola.
10. Study on effects of several fungicidal and insecticidal seed treatment to control rapeseed seedling damaging agents.
11. Study on the effects of some canola varieties and planting dates on population of cabbage aphid *Brevicoryne brassicae* L. (Hom. Aphididae).
12. A survey on olive pests in Moghan region.
13. Efficacy of new insecticides against pod borer, *Helicoverpa armigera* on soybean.
14. Field biological characteristics of olive fruit fly *Bacterocera oleae*(Gmelin)(Dip., Tephritidae) in Gilan, Zanjan, Ghazvin and Khozestan provinces.
15. Biological characteristics and natural enemies identification of yam moth, *Euzopherodes vapidella vapidella* Mann (Lepidoptera: Pyralidae) in the Fars province, Iran.
16. Biology of pollen beetle, *Meligethes aeneus* F. (Col.: Nitidulidae). On oilseed rape in Mazandaran and Golestan provinces.
17. Strategic plan on oilseed pests.
18. Strategic plan on olive pests.
19. Survey on population dynamics of *Helicoverpa armigera* Hub. in soybean crops and evaluation on environmental abiotic and biotic factors for its control.
20. Efficacy of Atabron EC5% on *Helicoverpa armigera* Hub. in soya crops.
21. Survey on the forecasting possibility of Leopard Moth (*Zeuzera pyrina*) using degree-day model in Tehran, Kerman, Razavi Khorasan and South Khorasan.
22. Comparison of winter and spring foliar application for control cabbage aphid, *Brevicoryne brassicae* L. on canola crop.
23. Efficiency of Biscaya24%OD insecticide on pollen beetle, *Meligethes aeneus* in canola crops.
24. Synthetic Study of (4S, 6S) - 4- Hydroxy- 1, 7- dioxaspiro[5.5]undecane as an Attractant compound of *Bacterocera oleae* and its evaluation under field conditions.
25. A study on the efficacy of kaolin clay on the olive fruit fly, *Bactrocera oleae* Gmel. (Dip: Tephritidae), in olive orchards.
26. A field study on the efficiency of Kaolin mineral powder on the olive psylla, *Euphyllura straminea* Loginova(Hom., Aphalaridae).
27. Efficiency of botanic insecticides (Golpad^R) on cabbage aphid *Brevicorene brassicae* (L.).
28. Efficiency of ImunitSc15% insecticide on fruit borning, *Helicoverpa armigera* Hub. in tomato crops.
29. Efficiency of seed treatment for control cabbage aphid *Brevicorene brassicae* L. during the beginning of season in canola crop.
30. Evaluation of marine protein bait (Amino Hirkan) in attraction for control of olive fruit fly.
31. Bio-ecology of olive fruit fly, *Bacterocera olea*(Rossi)(Dip. Tephritidae).
32. Studying efficiency of nano imidacloprid compared with imidacloprid and Introducing new insecticides for controlling tobacco aphid in fields.
33. Efficiency of new insecticides on tobacco budworm, *Helicoverpa armigera* Hub. under field conditions.

- 34.** Identification of leaf-feeder and stem-borer beetles of canola and preliminary study on their biology in Mazandaran and Golestan provinces. (Coworker)
- 35.** Determination of the best control time against of rape seed aphids. (Coworker)
- 36.** Strategic plan for harmful grasshoppers and locusts. (Coworker)
- 37.** Strategic plan on wheat and barley pests. (Coworker)
- 38.** Pest Control Program of cold climate fruits for Iran. (Coworker)
- 39.** Strategic plan on Citrus pests. (Coworker)
- 40.** Strategic plan on Cotton pests. (Coworker)
- 41.** Revision and determination of pesticide maximum level (MRLS) on oilseeds. (Coworker)
- 42.** Effect of planting date on the flea beetle population and damage of (*Psylliodes persicus*) in canola fields of Khuzestan province. (Coworker)
- 43.** A study of efficiency of Neemarin on cucumber whitefly (*Bemisia tabaci*). (Coworker)
- 44.** Determination economic injury level of *Lipaphis erysimi* L. on canola of Hayola 401 in Khuzestan. (Coworker)

45. Assessment of yield losses in oilseed rape caused by pollen beetle, *Meligethes aeneus* F. (Col.: Nitidulidae). (Coworker)
46. Strategic plan for pest management of subtropical fruit trees. (Coworker)
47. Efficiency of Behfidor SC350 (imidacloprid) on cucurbit aphid *Brevicoryne brassicae* L. (Coworker)
48. Field assessment of antibiosis resistance of different commercial rapeseed varieties to cabbage aphid *Brevicoryne brassicae* L. (Homoptera: Aphididae). (Coworker)
49. Investigation on efficiency of Magnet OL trap on olive fruit fly (*Bactrocera oleae*) control and comparison with the other attract and kill traps. (Coworker)
50. A study on host range and biology of the Mediterranean fruit, *Ceratitis capitata* (Wied.) (Diptera: Tephritidae) in Shiraz (Fars province). (Coworker)
51. Efficacy of conventional insecticides against stem mining weevils (*Ceutorhynchus* spp) on oilseed rape in Mazandaran. (Coworker)
52. Efficacy of commercial herbal pesticides on sucking pests of pomegranate (Tehran). (Coworker)
53. Investigation and efficiency comparison of different traps on olive fruit fly (*Bactrocera oleae*) attract and capturing. (Coworker)
54. Determination of suitable density of pheromone traps for mass trapping of Leopard moth in Apple orchards. (Coworker).
55. The efficacy of kaolin clay on the pomegranate fruit moth, *Ectomyelois ceratoniae* (Lep.: Pyralidae), and fruit sunburn in Pomegranate orchards. (Coworker)
56. Efficacy of conventional insecticides against stem mining weevils (*Ceutorhynchus* spp) on oilseed rape in Mazandaran. (Coworker)
57. Investigation on the Bio-ecology of Medfly, *Ceratitis capitata* Wied and its Natural Enemies in Mazandaran Province. (Coworker)
58. A preliminary study on the usage of kaolin clay for oviposition prevention of grape cicada, *Psalmocharis alhageos* (Hem. Cicadidae). (Coworker)
59. Comparison of the abundance of oilseed rape leaf-feeders in lowlands and uplands of Mazandaran province. (Coworker)
60. Application insecticide Imidaclopride (Gaocho) in the management of corn sucking pest populations under field's condition in Kermanshah province. (Coworker)
61. Study of some insecticides on Asian citrus psyllid (*Diaphorina citri*). (Coworker)
62. Investigation on the rearing of Medfly, *Ceratitis capitata* Wied on the artificial diets under the laboratory conditions. (Coworker)
63. The preliminary study on efficacy of sulfur-based compound on the pomegranate fruit moth, *Ectomyelois ceratoniae* Zeller (Lep.: Pyralidae). (Coworker)
64. Effect of canola (*Brassica napus*) cultivars and planting on the population of pollen beetle (*Meligethes aeneus*). (Coworker)
65. Study on resistance of 13 promising varieties of olive trees to olive fruit fly, *Bactrocera oleae* Gmelin (Dip.: Tephritidae). (Coworker).
66. Evaluation some factors effecting soybean pod abnormality in Golestan Province. (Coworker).
67. Study on efficacy of oviposition deterrent compounds for olive fruit fly, *Bactrocera oleae* Gmelin. (Dip. Tephritidae)
68. Investigation on increasing the stability of the olive fruit fly *Bactrocera olea* sex pheromone synthesized in Iran and its efficacy in the field.
69. Evaluation on Kaolin powder for reducing the population of Olive psylla

70. Study of spirotetramat (Morano® SC10) efficiency on cabbage aphid, *Brevicoryne brassicae* L. (Hem. Aphididae) in comparison with current insecticides in canola crop.
71. Efficiency of Alphamin (Alphacypermethrin 15% WDG) for control of flea beetles in oilseed rape.
72. Study of population dynamics of different biological characteristics on stem borer weevils, *Ceutorhynchus* spp. in canola fields of some regions of country (Iran).
73. Supervision and technical guidance of false chinch bug (*Nysius cymoides*)

Publications

Journals papers:

1. **Keyhanian, A.A.** and Ghazavi, M. 1996; An investigation to the biological characteristics and population fluctuation of *Uvarovistia zebra* U.V. in Tarom district. *Appl. Ent. Phytopath* (Iran) Vol. 63, 1&2, Feb.
2. **Keyhanian, A.A.**, Taghaddosi, M.V. and Farzaneh, A. 2000. Biology and seasonal population fluctuation of the Olive Psylla *Euphillura olivine* Costa. (Hom; Aphalaridae) in Tarom oulia of the Zandjan Province. *Appl. Ent. Phytopath* (Iran) Vol. 67, (1&2).
3. **Keyhanian, A.A.** 2003. Studying on effect on different varieties of wheat on sex ratio and reproduction of granary weevil, *Sitophilus granarius* L. (Col; Curculionidae). *Appl. Ent. Phytopath* . (Iran) Vol. 71, (1&2).
4. **Keyhanian, A.A.**, Taghizadeh, M., Taghaddosi, M.V. and Y. Khajehzadeh . 2005; A faunistic study on insect pests and its natural enemies in canola fields at different regions of Iran. *Pajouhesh –Va-Sazandegi*, 68 Autumn 2005.
5. **Keyhanian, A. A.** and Rohilla, H. A. 2007. A study on population fluctuation of the safflower fly, *Acanthiophilus helianthi* Rossi (Diptera: Tephritidae) and field evaluation of losses in the Ghom province. *J. Oilseeds Res.* 24(1). 155- 159.
6. **Keyhanian, A. A.** 2008. Biology of flea beetle (*phyllotreta corrugate* in canola of Saveh region. *Appl. Ent. Phytopath.* (Iran) Vol. 76, (1). **Keyhanian, A. A.** 2008. Seasonal abundance of the safflower, *Acanthiophilus helianthi* Rossi (Diptera: Tephritidae) and its infestation on safflower, *Carthamus tinctorius* L. in Ghom province. . *Pajouhesh –Va-Sazandegi*, 77. 57-62.
7. **Keyhanian, A. A.** , Shikhi Garjan, A., 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*.
8. **Keyhanian, A. A.** and Barari, H. 2010. Report of cabbage stem weevil, *Ceutorhynchus pallidactylus*(Col.: Curculionidae) on oilseed rape from Iran. *Journal of Entomological Society of Iran*. 30(1). 61- 62.
 9. **Keyhanian, A. A.** and Taghaddosi, M.V. 2010. Affects of abiotic factors on population of *Brevicoryne brassicae* L. on canola crop in Varamin. *Journal of Entomological Research. (Islamic Azad University , Arak Branch*. Vol. 2. 39-47.
 10. Khajezadeh, Y., Hasany Moghadam, M. , Baghery, S. and **Keyhanian, A. A.** 2009. Determination of economic injury level of *Lipaphis erysimi*(Hemiptera: Aphididae) on canola var. Hayola 401 in Khuzestan. *Journal of Entomological Society of Iran*. 29(1). 23-36.
 11. Khajezadeh, Y. and **Keyhanian, A. A.** 2009. Effect of planting date and cultivar on the flea beetle population and damage of *Psylliodes pericis* in rape seed fields of Khuzestan province. *Appl.Ent.Phytopath.* (Iran) Vol.77. (1).
 12. Shikhi Garjan, A., **Keyhanian, A. A.** and Moein, S. 2009. Efficiency of sprayer equipped by micronair nozzles(CDA0 in chemical control of Sunn pest nymph. *Appl.Ent.Phytopath. Pesticides special, spring of 2009*.
 13. Khajezadeh, Y. ; Malkeshi, S.H. and **Keyhanian, A. A.** 2010. The Population Dynamism of Canola Aphids, Biology of *Lipaphis erysimi* Kalt. and Its Natural Enemies Efficiency in the Rapeseed Fields of Khuzestan Province, Iran. *Iranian Journal of Plant Protection Science*. 41(1).
 14. Kamangar, S., Ebrahimi, E., and **Keyhanian, A. A.** 2011. Biology and seasonal population dynamics of Turnip Sawfly, *Athalia rosae*(Hym. : Tenthredinidae), a new pest of Canola in Kurdistan province. *Appl.Ent.Phytopath.* 79(2).
 15. Barari, H., **A. A. Keyhanian**, S.A.Mafi and R. Valipor. 2011. Assessment of yield losses in oilseed rape caused by pollen beetle, *Meligethes aeneus*(Col.; Nitidulidae) in Mazandaran. 2nd Iranian pest management conference (IPMC) - Kerman, Iran. 429-439.
 16. Bahmani1, S., **A. A. Keyhanian**, H. Farazmand .2011. The Effect of pyriproxyfen, hexaflumuron and flufenoxuron on the cabbage aphid,

- Brevicoryne brassicae* L. (Hem. Aphididae), in canola field. *Journal of Entomological Research*. Volume 3, Issue 2, pages: 133-141.
17. Ghadiri, J., H. Ghajarieh, **A.A. Keyhanian**, M.V. Taghadosi and R. Amiri 2013. Study on the some biological characteristics of olive fruit fly *Bactrocera oleae* (Gmel). (Ditera: Tephritidae) in Tarom-Zanjan province. *J. Of plant protection (Ahwaz University)*. 36(2).
 18. **Keyhanian, A.A.** and Taghadosi, M.V. 2014. Study on the effects of some canola varieties and planting dates on population of cabbage aphid *Brevicoryne brassicae* L. (Hom. Aphididae). *Journal of Entomological Research*. Volume 6, Issue 2, pages: 179-188.
 19. Jafarlou, M. and **Keyhanian, A. A.** 2014. Field assessment of antibiosis of different commercial winter rapeseed varieties to cabbage aphid *Brevicoryne Brassicae* L. *Journal of Entomological Crops*. 2 (5).
 20. **Keyhanian, A. A.** 2013. Report of parasitoid wasp of olive fruit fly *Bactrocera oleae* (Gmel). *News letter of Entomological Society of Iran*. No. 50.
 21. Abbasi Mozhdehi, M.R. and **Keyhanian, A. A.** 2014. Application of deterrent compound for control of olive fruit fly, *Bactrocera oleae* Gmelin. (Dip.; Tephritidae). *Romanian Journal of Plant Protection* .Vol. VII.
 22. **Keyhanian, A. A.**, Barari H. Taghizadeh M. and Khormali S. 2015. Evaluation of the Efficacy of Insecticide chlorfluazuron (EC 5%) against *Helicoverpa armigera* Hub. in Soybean. *Pesticides in Plan Protection Sciences*, 2015, 2(1).
 23. Khajrhzadeh, Y. and **A. A. Keyhanian.** 2015. Effect of planting date and rape seed cultivar on the population and damage of mustard aphid *Lipaphis erysimi* in Khuzestan province. *Appl.Ent.Phytopath.* 83(1).
 24. Taghaddosi, M. V. , M. Azimi² and **A. A. Keyhanian.** 2015. Infestation rates of *Bactrocera oleae* (Dip.: Tephritidae) in 22 olive cultivars at Tarom Olive. Research Station of Zanjan province, Iran. *Journal of Entomological Society of Iran*. 34(4). 69- 81.
 25. Parchami-Araghi, Mehrdad¹, Ebrahim Gilasian¹, and **Ali Akbar Keyhanian.** 2015. Olive infestation with *Zaprionus indianus* Gupta (Dip.: Drosophilidae) in northern Iran: a new host record and threat to world olive production. *Dros. Inf. Serv.* 98.

26. Parchami-Araghi, Mehrdad¹, Ebrahim Gilasian¹, and **Ali Akbar Keyhanian**.2015.Spotted Wing Drosophila, *Drosophila suzukii* (Matsumura) (Dip.: Drosophilidae), an invasive fruit pest new to the Middle East and Iran. Dros. Inf. Serv. 98.
27. Parchami-Araghi, Mehrdad¹, Ebrahim Gilasian¹, and **Ali Akbar Keyhanian**.2015. *Delia platura* (Meigen) (Diptera: Anthomyiidae) and *Scaptomyza pallida* (Zetterstedt) (Diptera: Drosophilidae): two new pests of canola in Iran. Studia dipterologica 22 (2) 2015: 167–170.
28. **Keyhanian, A. A.**, Barari, H. and Khormali, S.2016.Evaluation of the Efficacy of thiacloprid (OD 24%) on Canola Pollen Beetle,*Meligethes aeneus*. Pesticides in Plan Protection Sciences, , 3(2). 129-136.
29. Heidary Alizadeh and **Keyhanian, A.A**.2016. Synthesis and field evaluation of sex pheromone of the olive fruit fly, *Bactrocera oleae* (Diptera: Tephritidae). *Appl.Ent.Phytopath.* 84(2).
30. Golmohammadi, Gh., M Naseri, M. and A.A **Keyhanian, A.A**.2016.Studying the Effects of Some Insecticides on Different Developing Stages of Asian Citrus Psyllid, *Diaphorina citri* Kuwayama in Field Conditon.Applied research of plant protection.6.63-70.
31. **Keyhanian, A. A.** and Barari, H.2016.Flea beetles and management their population in canola crops.Journal of Achievements in Agricultural Sciences(Extension-Scientific).2.1&2.103-111.
32. Abbasi Mojdehi, M.R. , A. Hosseini Gharalari,A.**Keyhanian, A.A.** and koopi,N. 2019.Study on susceptiblity of several varieties of olive trees to olive fruit fly, *Bactrocera oleae* (Dip.: Tephritidae). Plant Pest Research .8(4): 1-13.
33. **Keyhanian, A. A.** and Abbassi Mozhdhehi, M.2018.Evaluation Processed kaolin clay (WP 95%) on reducing the population of olive psylla *Euphyllura straminea* Loginova. (Hem. Psyllidae).Plant protection(Scientific journal of Agriculture).41(2).1-11.
34. **Keyhanian, A. A.** and Abbassi Mozhdhehi, M.2019. Evaluation of marine protein bait (Amino Hirkan) in attraction of olive fruit fly, *Bactrocera oleae* Rossi (Dip: Tephritidae).Plant Pest Research. 9(1).25-36.
35. Abbasi-Mojdehi, M.R. Hajizadeh, J. Zibae, A. **Keyhanian, A.A.** 2019.Effect of pyridalyl on mortality, fecundity and physiological

- performance of olive fruit fly, *Bactrocera oleae* Rossi (Diptera: Tephritidae).
Journal of Asia-Pacific Entomology.22.506-512.
36. Mohammad Reza Abbasi-Mojdehi, Jalil Hajizadeh, Arash Zibae, **Ali Akbar Keyhanian**.2020. Alterations in some physiological processes of *Bactrocera oleae* Rossi (Diptera:Tephritidae) following pyridalyl treatment. Pesticide Biochemistry and Physiology.164.85-90.
 37. **Keyhanian,A.A.**, H. Barari, R. Ghorbani, M. T. Mobasheri and H. Naserzadeh.2020.Biological characteristics of canola stemborer weevils, *Ceutorhynchus* spp. (Col.: Curculionidae) in oilseed rape fields of some regions of Iran. Plant Protection (Scientific Journal of Agriculture), 43(1)83-96.
 38. **Keyhanian Ail Akbar**, Golmohammadi Golam Reza, Mohammadipour Ali.2021. Effect of application time of insecticides on cabbage aphid, *Brevicoryne brassicae* population and yield of canola crop. Journal of Applied Research in Plant Protection 9 (4): 75–82.
 39. **Keyhanian, A.A.**, M. R. Abbasi Mojdehi.2021. Seasonal population changes of olive fruit fly, *Bactrocera oleae* (Rossi) and its damages on olive orchards in Tarom Sofla (Ghazvin province) in Iran. *Appl.Ent.Phytopath.* 89(1).37-49.
 40. Mohammad Reza Abbasi Mojdehi · **Ali Akbar Keyhanian** · Bahareh Rafiei.2021. Application of oviposition deterrent compounds for the control of olive fruit fly, *Bactrocera oleae* Rossi. (Dip. Tephritidae) control.International Journal of Tropical Insect Science. 41(2).
 41. **Keyhanian, A.A.**, H. Barari and M.T. Mobasheri.2021. Comparison of the efficacy of insecticides, alphacypermethrin and lambda-cyhalothrin, against canola flea beetles. Plant Protection (Scientific Journal of Agriculture), 44(1).113-123.
 42. Alemansoor, H. **Keyhanian, A.A.** and S. A.Alehoein.2022. Investigation some biological characteristics of xylophagous moth, *Euzopherodes vapidella vapidella* (Mann) (Lep.: Pyralidae) on olive trees in Fasa- Fars province, Iran. *Appl.Ent.Phytopath.* 89(2).
 43. **Keyhanian, A. A.**, Barari, H., Farhangi, S.V. Amin, Gh. and Sheikhi Garjan, A.2020. To Investigate the Efficacy of the Insecticide α -cypermethrin + teflubenzuron (Imunit® SC 15%) to Control of *Helicoverpa armigera* in Tomato Crops. Pesticides in Plant Protection Sciences. 8(2).136-145.

Conference papers:

1. Azamayesh Fard, P. **Keyhanian, A. A.**1991. Preliminary investigation on the biology of *Uvarovistia zebra* (Tettigoniidae;Decticinae),10th plant protection congress of Iran, Kerman.
2. **Keyhanian, A.A.**,Taghaddosi,M.V. and Farzaneh,A.1995.The study of the biology and ecology of olive psyllid (*Euphyllura Olivina* Costa.),Hom;Aphalaridae,and of its natural enemies in Tarom oulia Zandjan.12th plant protection congress of Iran.
3. **Keyhanian, A.A.**and Ghazavi, M.1995.The study of biology and ecology of long –horned grasshopper, *Uvarovistia zebra* U.V.(Tettigoniidae;Decticinae)in Tarom oulia Zandjan.12th iranian plant protection Congress of Iran.
4. **Keyhanian,A.A.** and J.S.Naresh.2001. Population dynamics,insect-pests on Sunflower in vicinity of Hisar,Haryana,India.4th APCE,14-17 Aug.2001.Kualalampur.
5. **Keyhanian, A.A.** and Abaei, M.2001. Study of mealybug on ornamental plants in Tehran and Markazi Province .1st applied scientific seminar on flower and ornamental Plants.
6. **Keyhanian, A.A.** and J.S.Naresh.2002. Assessment of losses/damage due to different insect –pests to sunflower in Hisar region (India).15th Iranian plant protection congress.
7. **Keyhanian, A.A.**2002. Sex ratio and reproduction of granary weevil,*Sitophilus granarius* L.(Col;Curculionidae) on different varieties of wheat. 15th Iranian plant protection congress.
8. **Keyhanian, A.A.**2004. Biology of flea beetle *phyllotreta corrugate* Riiche(Col.; Chrysomellidae) in canol fields of Saveh region. 16th Iranian plant protection congress.
9. **Keyhanian, A.A.**; Khajehzadeh, Y and Alavi, J.2006. Study on the effects of several insecticidal seed treatments to control Flea beetles on canola. 17th Iranian plant protection congress.
10. **Keyhanian, A.A.**;A.Shikhi Garjan 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.
11. Sheikhi Garjan, A., **Keyhanian, A. A.**, Mahjoub, M. and Abdollahi, Gh. 2006. Study on efficacy and calibration accuracy of conventional ground sprayer in the sunn pest control. 17th Iranian plant protection congress.
12. Mohamadzadeh, S., S. H. Goldansaz, **A. A. Keyhanian**, and A.Ashori. 2006. Preliminary investigation of olive fruit fly *Bactrocera oleae* in Tarom region. 17th Iranian plant protection congress.
13. Mohamadzadeh, S., S. H. Goldansaz, **A. A. Keyhanian**, and A.Ashori. 2006. Laboratory rearing of olive fruit fly. 17th Iranian plant protection congress.
14. Khajehzadeh, Y.and **Keyhanian, A.A.**2006. Effect of planting date and different tape seed varieties on the population of *Lipaphis erysimi* in Khuzestan. 17th Iranian plant protection congress.
15. Khajehzadeh, Y.and **Keyhanian, A.A.**2006. Effect of planting date on the beetle flea damage in rape seed fields of Kuzestan province. 17th Iranian plant protection congress.
16. Barari, H., **A. A. Keyhanian**,A. sheikhi Garjan and A. Spahbodi. 2008. Efficacy of different insecticides against *Helicoverpa armigera* on Soybeen in Mazandaran province. 18th Iranian plant protection congress.

17. Ameri Tourzani, S., **A. A. Keyhanian**, A. Marouf, S. Imani and A. sheikhi Garjan .2008.The susceptibility of different population of *Tribolium confusum* to malathion by bioassay technique. ¹⁸th Iranian plant protection congress.
18. Khajehzadeh, Y.and **Keyhanian, A.A.**2008. Gaucho, suitable seed treatment to control flea beetle (*Psylliodes persicus* Allord 1866) (Col.: Chrysomelidae) in canola fields of Khozestan. ¹⁸th Iranian plant protection congress.
19. Koliaii, R. , M. V. Taghaddosi, S. Ghannadamooz, **A. A. Keyhanian** and A. Sheikhi Garjan. 2008. Determination of the best trap and attractant against olive fruit fly *Bactrocera oleae* in olive growing provinces. ¹⁸th Iranian plant protection congress.
20. Ameri Tourzani, S., **A. A. Keyhanian**, A. Marouf, S. Imani and A. sheikhi Garjan .2008. An investigation on the susceptibility of *Tribolium confusum* to malathion , chlorpyrifos methyl and pirimiphos methyl. ¹⁸th Iranian plant protection congress.
21. Khajehzadeh, Y.and **Keyhanian, A.A.**2008. Assessment of loss caused by flea beetle (*Psylliodes persicus* Allord 1866) (Col.: Chrysomelidae) in different planting dates in canola fields of Khozestan. ¹⁸th Iranian plant protection congress.
22. Khajehzadeh, Y., M. Goosheh and **Keyhanian, A.A.**2008. Effect of irrigation management on infection index of canola aphids in canola fields of Khuzestan. ¹⁸th Iranian plant protection congress.
23. Khanizad, A., **A. A. Keyhanian**, S.Kamangar and B. Moradi.2008. Effect of three planting date and different rape seed varieties on the yield in stressed conditions to *Brevicoryne brassicae*. ¹⁸th Iranian plant protection congress.
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Extension Journal

1. Olive psylla *Euphyllura olivina* Costa.
2. Aphid cabbage on canola

Thesis supervised:

1.

No.	Title	Degree	Name of student	University
1	The study on Biology of Olive fruit fly, <i>Bactrocera oleae</i> (Gmelin) in Tarom	MSC	Mohamadzadeh, S.	Tehran University
2	Study the mechanisms of resistance to insecticides in cabbage aphid	MSC	Mehrabi, B.	Zabol University
3	The study on Bio-ecology of olive fruit fly, <i>Bactrocera olea</i> in Tarom oulia of the Zandjan	MSC	Ghadiri, J.	Tehran University
4	An investigation on the susceptibility of <i>Tribolium confusum</i> to malathion, chlorpyrifos methyl and pirimiphos methyl.	MSC	Ameri Tourzani, S.	Azad University
5	The Effect of pyriproxyfen, hexaflumuron and flufenoxuron on the cabbage aphid, <i>Brevicoryne brassicae</i> L. (Hem. Aphididae), in canola field	MSC	Bahmani, S.	Azad University
6	The Effect of tiamethoxam, tiachloprid, actamiprid and palizin on the cabbage aphid, <i>Brevicoryne brassicae</i> L. (Hem. Aphididae), in canola field in canola field	MSC	Hoshyari, E.	Azad University
7	The Effect of proteus, oxydemeton	MSC	Hamidifar, Z.	Azad

	methyI and neemarin on the cabbage aphid, <i>Brevicoryne brassicae</i> L. (Hem. Aphididae), in canola field in canola field			University
8	Effects of pyridalyl on population density and some physiological characteristics of <i>Bactrocera oleae</i> Rossi (Diptera: Tephritidae) in laboratory and orchard conditions	Ph.D.	Abbasi Mojdehi, M.R.	Gilan University

Workshops:

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