

Mohammad Mehrabadi

Assistant Professor

Department of Entomology, Faculty of
Agriculture, Tarbiat Modares University,
Tehran 14115-336, Iran.



Study interest

Molecular insect pathology
Microbial pesticides
Microbial biotechnology & recombinant insect pathogens
MicroRNA and its roles in insect-pathogen interactions
Epigenetic regulation of host-pathogen interactions
RNA-based antiviral immunity & viral suppressor of RNAi (VSR)
Insect molecular biology & biotechnology

QUALIFICATIONS

BSc in Plant Protection, University of Gorgan, Iran, 2003-07.

MSc in Agricultural Entomology, University of Tehran, Iran, 2007-09

MSc Thesis:

Diversity of digestive enzymes and their regulation in response to starvation and feeding in the sunn pest, *Eurygaster integriceps* (Scutelleridae: Hemiptera)

PhD in Agricultural Entomology (Insect Physiology and Toxicology), University of Tehran, Iran. 2009-13.

PhD Dissertation:

Role of small-noncoding RNAs in Baculovirus-insect host interactions

PhD visiting student, Molecular Biology (host-pathogen interactions), The University of Queensland, Australia. 2012-13

Assistance professor, Department of Entomology, Tarbiat Modares University, Tehran, Iran. 2013-on going.

WORKSHOPS

Gene transfer to bacteria and mammalian cells, Stem Cell Technology Company, November 27, 2008.

Biotechnology of insect microbial pathogens, Agriculture, Biotechnology Research Institute of Iran (ABRII), November 9-12, 2009.

Recombinant antibodies and their application in agriculture, Agriculture Biotechnology Research Institute of Iran (ABRII), December 23-25, 2010.

CLC Genomics for biologists, Institute for Molecular Biosciences, The University of Queensland, Queensland, Brisbane, Australia. April 15 2012.

TEACHING EXPERIENCE

Teaching assistance, Insect Physiology (laboratory skills), University of Tehran. 2008-2011.

Teaching assistance, Insect Biochemistry (laboratory skills), University of Tehran. 2008-2011.

Teaching assistance, Insect Toxicology (laboratory skills), University of Gorgan. 2008.

Insect Pathology, Tarbiat Modares University (MSc. PhD)

Molecular Genetics, Tarbiat Modares University (PhD)

Complementary Insect Physiology (MSc)

Advanced Insect Physiology (PhD)

HONORS & AWARDS

Rank first student among the BSc students of Plant Protection, University of Gorgan, 2004-2007.

The excellent student in MSc course, University of Gorgan, 2007-2008.

Distinguished researcher student (MSc) of Faculty of Agricultural and Natural Resources, University of Tehran, 2008.

Member of Iran's Young Elite National Foundation since 2008.

Rank first student among the MSc students of Entomology, University of Tehran, 2009.

Distinguished researcher student (MSc), University of Tehran, 2009.

Rank first in the PhD entrance exam, University of Tehran, 2009.

Rank first PhD student in the comprehensive exam, University of Tehran, 2010.

Rank first MSc thesis, University of Tehran, 2010.

Distinguished researcher student (PhD), University of Tehran, 2012.

Distinguished researcher student (PhD) of Faculty of Agricultural and Natural Resources, University of Tehran, 2011

MEMBERSHIP

Entomological Society of Iran

Society for Invertebrate Pathology

American Society for Microbiology

Thesis supervision

Karamipour, N (MSc. 2013-15), Bacterial endosymbionts in the striped shield bug, *Graphosoma lineatum*: detection, and identification and their interactions with the host.

Bidari F (MSc. 2014-16) Isolation and identification of *Bacillus thuringiensis* and *Serratia* sp from infected insects and their insecticidal effects on some lepidopteran pests

Khanamani, M (PhD. 2014-17)

Riahi, E (PhD. 2014-17)

Baradaran M (MSc. ongoing) Expression analysis of some epigenetic-related genes in cotton bollworm *Helicoverpa armigera* (Lep.: Noctuidae) and their suppression by RNAi

Bagheri Z (MSc. ongoing) The endosymbiotic *Wolbachia* bacteria in the parasitoid wasp, *Habrobracon hebetor* (Hym.: Braconidae): Detection, identification and its effects on the host

Hemmati, SA (PhD. Ongoing) Rational design of trypsin inhibitors for control of *Plodia interpunctella* (Advisor)

Kashkouli, M (PhD. Ongoing) bacterial symbionts in heteroptera associated with pistachio (advisor)

Ayoubi, A (PhD. Ongoing) Bacterial symbionts in three aphid species and their importance in the aphids host (advisor)

Hemmati, Ch (PhD. Ongoing) Microbial symbionts in *Hishimonus phycitis* and their interactions with the host (advisor)

Hosseinzadeh, S (PhD. Ongoing) Role of microRNAs and bacterial symbionts in *Candidatus Liberibacter asiaticus* – insect vector interactions (advisor)

Fami-Tafreshi, T (Msc. Ongoing) Metagenomics of the olive psyllid, *Euphyllura olivina*

Karamipour, N (PhD, Ongoing) Identification of some native strains of SeMNPV and investigating the role of epigenetics in interaction of SeMNPV and AcMNPV with the beet army worm, *Spodoptera exigua*

Rahimpour, M (MSc, Ongoing) RNAi for control of lepidopteran insect pests: design, synthesis, in vitro and in vivo assays

Sarvari, M (MSc, Ongoing) Role of miRNAs in the waxworm *Galleria mellonella*

PUBLICATIONS

2018

Tahmasebi A., Afsharifar A., Heydari A., **Mehrabadi M.** Genetic variations of 8K (KDa) suppressor protein and host defense responses to 8K expression, *Applied Biochemistry and Biotechnology* (Under review)

Karamipour N., Fathipour Y., **Mehrabadi M.** Obligatory gut bacterial symbionts affects life table parameters of the stink bug, *Graphosoma lineatum*, *Ecological Entomology* (Under review)

Kashkouli, M., Fathipour, Y. & **Mehrabadi, M.** Obligatory gut bacterial symbiont shapes morphology, fecundity and behavior of a stink bug, *Molecular Ecology* (Under review)

Mehrabadi M., Hussain M. Asgari, S. Suppression of a cellular microRNA following baculovirus infection and its effect on virus-host interaction, *Journal of General Virology* (Revised).

Ayoubi, A., Talebi, A.A., Fathipour, Y. & **Mehrabadi, M.** Coinfection of the secondary symbionts, *Hamiltonella defensa* and *Arsenophonus* sp. contribute to performance of the major aphid pest, *Aphis gossypii*, *Insect Science* (Accepted)

Hemmati, Ch., Moharramipour, S., Askari-Seyahooei, M., Bagheri, A. & **Mohammad Mehrabadi** Population genetic structure of *Hishimonus phycitis* (Hem.: Cicadellidae), vector of lime witches' broom phytoplasma, *Journal of Agricultural Science and Technology* (Accepted, In press)

Bidari, F., Shamsbakhsh, M. & **Mehrabadi, M.** Isolation and characterization of a *Serratia marcescens* with insecticidal activity from *Polyphylla olivieri* (Col.: Scarabaeidae), *Journal of Applied Entomology* DOI: 10.1111/jen.12421 (Accepted, In press)

Mehrabadi M., Insect viruses. In Karimi, J. (Ed.), *Biological controls in Iran*, Springer (Accepted, In press)

2017

Hemmati, S.A., Sajedi, R.H., Moharramipour, S., Taghdir, M., Rahmani, H, Etezzad, S.M., **Mehrabadi, M.** (2017) Biochemical characterization and structural analysis of trypsin from *Plodia interpunctella* midgut: Implication of determinants in extremely alkaline pH activity profile. *Physiological Entomology*, 42, 307–318

Khanamani, M., Fathipour, Y., Talebi, A.A. & **Mehrabadi, M.** (2017). Quantitative analysis of long-term mass rearing of *Neoseiulus californicus* (Acari: Phytoseiidae) on almond pollen, *Journal of Economic Entomology*, 110(4):1442-1450.

Riahi, E., Fathipour, Y., Talebi, A. A., & **Mehrabadi, M.** (2017). Natural diets versus factitious preys: comparative effects on development, fecundity and life table of *Amblyseius swirskii* (Acari: Phytoseiidae). *Systematic and Applied Acarology*, 22(5):711-723. IF: 1.3

Khanamani, M., Fathipour, Y., Asghar Talebi, A., & **Mehrabadi, M.** (2017). Evaluation of different artificial diets for rearing the predatory mite *Neoseiulus californicus* (Acari: Phytoseiidae): diet-dependent life table studies, *Acarologia*, 57(2):407-419. IF: 1.27

Khanamani, M., Fathipour, Y., Asghar Talebi, A., & **Mehrabadi, M.** (2017). How pollen supplementary diet affect life table and predation capacity of *Neoseiulus californicus* on two-spotted spider mite. *Systematic and Applied Acarology*, 22(1), 135-147. IF: 1.3

Riahi, E., Fathipour, Y., Talebi, A. A., & **Mehrabadi, M.** (2017). Linking life table and consumption rate of *Amblyseius swirskii* (Acari: Phytoseiidae) in presence and absence of different pollens. *Annals of the Entomological Society of America*, 110(2):244-253. IF: 1.1

Khanamani, M., Fathipour, Y., Talebi, A. A., & **Mehrabadi, M.** (2017). Linking pollen quality and performance of *Neoseiulus californicus* (Acari: Phytoseiidae) in two-spotted spider mite management programmes. *Pest management science*. 73(2):452-461. IF: 2.81

2016

Riahi, E. M., Fathipour, Y., Talebi, A. A., & **Mehrabadi, M.** (2016) Pollen quality and predator viability: life table of *Typhlodromus bagdasarjani* on seven different plant pollens and two-spotted spider mite *Systematic and Applied Acarology* 21(10), 1399-1412. IF: 1.5

Doryanizadeh, N., Moharramipour, S., Hosseinaveh, V., & **Mehrabadi, M.** (2016). Effect of Eight Cucumis Genotypes on Life Table and Population Growth Parameters of Melon Aphid: An Approach to Assess Antibiosis Resistance. *Journal of Agricultural Science and Technology*, 18, 1819-1832. IF: 0.8

Karamipour N., Fathipour Y., **Mehrabadi M.** (2016) Gammaproteobacteria as essential primary bacterial symbiont in striped shield bug, *Graphosoma lineatum* (Hemiptera: Pentatomidae), *Scientific Reports* 6, 33168; doi: 10.1038/srep33168. IF: 5.576

Abbasi-Moqadam, F., Hajiqanbar, H., & Merhrabadi, M. (2016). First record of the ant-associate genus *Acinogaster* (Acari: Neopygmephoridae) from Asia with redescription of the *A. microchaetosus* (Sevastianov, 1967). *Persian Journal of Acarology*, 5(2).

Mehrabadi M., Hussain M. Asgari (2015) A DNA virus, baculovirus, encodes a suppressor of RNAi to counter-defense the host antiviral response, *Journal of Virology* 89(16):8182-92. IF: 4.7

2015 and before

Mehrabadi M., Bandani A.R., Dastranj M., Salivary digestive enzymes of the wheat bug insect, *Eurygaster integriceps* (Hemiptera: Scutelleridae), *Comptes Rendus Biologies* 337 (2014): 373–382. IF: 1.064

Mehrabadi M., Hussain M. Asgari, S. MicroRNAome of *Spodoptera frugiperda* cells (Sf9) and its alteration following baculovirus infection. *Journal of General Virology* 94 (6): 1385-1397. doi:10.1099/vir.0.051060-0. IF: 3.23

Dastranj M., Bandani A.R., **Mehrabadi M.**, Age-specific digestion of *Tenebrio molitor* (Coleoptera: Tenebrionidae) and inhibition of proteolytic and amylolytic activity by plant proteinaceous seed extracts, *Journal of Asia-Pacific Entomology* 16 (3): 309–315. doi:10.1016/j.aspen.2013.04.009. IF: 1.02

Mehrabadi M., Hussain M. Asgari, S. Cloning and characterization of dim1-like mitosis protein form *Spodoptera frugiperda* cells (sf9) which is induced by AcMNPV infection, *Journal of Invertebrate Pathology* 113 (2): 152–159. doi: 10.1016/j.jip.2013.02.005. IF: 2.66

- Mehrabadi M.**, Franco O.L., Bandani A.R. 2012. Plant proteinaceous α -amylase and protease inhibitors and their use in insect pest control, in *New Perspectives in Plant Protection*. Edited by Bandani A.R., InTech Press (Book chapter). doi: 10.5772/39290.
- Mehrabadi M.**, Bandani A.R., Mehrabadi, R., Alizadeh H. 2012. Inhibitory activity of proteinaceous α -amylase inhibitors from Triticale seeds against *Eurygaster integriceps* salivary α -amylases: interaction of the inhibitors and the insect digestive enzymes, *Pesticide Physiology and Biochemistry* 102 (3): 220–228. doi: 10.1016/j.pestbp.2012.01.008. IF: 2.4
- Mehrabadi M.**, Bandani A.R. Allahyari M. Serrao J.E. 2012. The Sunn pest, *Eurygaster integriceps* Put. (Hemiptera: Scutelleridae) digestive tract: Ultrastructure, histology and its physiological significance, *Micron* 43 (5): 631–637. doi:10.1016/j.micron.2011.11.008. IF: 2
- Mehrabadi M.**, Bandani A.R. 2011. Secretion and formation of perimicrovillar membrane (PMM) in digestive system of the Sunn pest, *Eurygaster integriceps* (Hemiptera: scutelleridae) in response to feeding, *Archive of Insect Biochemistry and Physiology*, 78 (4): 190-200. doi: 10.1002/arch.20452. IF: 1.357
- Mehrabadi M.**, Bandani A.R., Saadati F., Mahmoudvand, M. 2011. α -Amylase activity of stored product insects and its inhibition by medicinal plant extracts, *Journal of Agriculture Science and Technology*, 13: 1173-1182.
- Mehrabadi M.**, Bandani A.R., Kwon O. 2011. Biochemical characterization of digestive α - and α -glucosidase from salivary glands and midgut of wheat bug, *Eurygaster maura* (Scutelleridae: Hemiptera) *Entomological Research*, 41: 83-87. doi: 10.1111/j.1748-5967.2011.00322.x.
- Mehrabadi M.**, Bandani A.R. Saadati F. 2010. Inhibition of Sunn pest, *Eurygaster integriceps*, α -amylases by α -amylase inhibitors (T- α AI) from Triticale, *Journal of Insect science* 10:179 available online: insectscience.org/10.179.
- Mehrabadi M.**, Bandani A.R. 2010. New approach toward α -amylase electrophoresis and isoamylase detection in insects, *Munis Entomology & Zoology*, 5, suppl.: 1085-1087.
- Bandani A.R., Kazzazi M., **Mehrabadi M.** 2009. Purification and characterization of α -amylase from sunn pest, *Eurygaster integriceps* put (Hemiptera: scutelleridae, *Entomological Science*, 12: 25-32. doi:10.1111/j.1479-8298.2009.00303.x.
- Mehrabadi M.**, Bandani A.R. Saadati F. 2009. Sunn pest, *Eurygaster integriceps* Put (Scutelleridae: Hemiptera) digestive α - amylase, α - glucosidase and α -glucosidase, *Journal of Asia-Pacific Entomology*, 12: 79-83. doi: 10.1016/j.aspen.2009.01.003.
- Ravan M., **Mehrabadi M.**, Bandani A.R. 2009. Biochemical characterization of digestive amylase from wheat bug, *Eurygaster maura*, *African Journal of Biotechnology*, 8 (15): 3640-3648.
- Mehrabadi M.**, Bandani A.R. 2009. Expressing of digestive amylase in various developmental stages of *Eurygaster maura*, an enzymatic approach, *Munis Entomology & Zoology*, 4 (1): 219-226.
- Mehrabadi M.**, Bandani A.R. 2009. Assessing of alpha-amylase activity of midgut in wheat bug *Eurygaster maura*, *American Journal of Applied Sciences*, 6(3): 78-83.
- Mehrabadi M.**, Bandani A.R. 2009. Study on salivary glands alpha-amylase in wheat bug *Eurygaster maura* (Hemiptera: Scutelleridae), *American Journal of Applied Sciences*, 6(4): 555-560.
- Mehrabadi M.**, Bandani A.R. 2009. Mechanisms of cytoplasmic incompatibility induced by *Wolbachia* in insects. *Giahpeshk va Ghaza*, 3: 1-10. (Review in Persian).

Mehrabadi M., Bandani A.R. 2009. Biology of *Wolbachia* and its interaction with insects. *Giahpezeshk va Ghaza*, 2: 1-8. (Review in Persian)

PRESENTATIONS

Rahimpour H., Mehrabadi M. MicroRNA core machinery genes in the cotton bollworm *Helicoverpa armigera*. 2nd Iranian International Congress of Entomology. 2017, Karaj, Iran.

Baradaran E., et al., Bacterial infection induce RNA interference (RNAi) pathway in the cotton bollworm *Helicoverpa armigera*. 2nd Iranian International Congress of Entomology. 2017, Karaj, Iran.

Karamipour N., et al. Gammaproteobacteria are crypt-dwelling primary bacterial symbionts of the shield bug *Graphosoma lineatum*. 2nd Iranian International Congress of Entomology. 2017, Karaj, Iran.

Bagheri Z., et al., *Wolbachia* infection suppresses inbreeding-avoidance in *Habrobracon hebetor* to increase the likelihood of female offspring and its transmission to the next generation. 2nd Iranian International Congress of Entomology. 2017, Karaj, Iran.

Bagheri F., et al., *Wolbachia*-induced and cytoplasmic incompatibility CI in the parasitoid wasp *Habrobracon hebetor*. 2nd Iranian International Congress of Entomology. 2017, Karaj, Iran.

Ayoubi A., et al., *Hamiltonella defensa* imposes parasitoid resistance in the green peach aphid *Myzus persicae*. Insect Physiology Biochemistry and Molecular Biology. 2017, China.

Hemmati S.A., et al., Directed design of peptide inhibitor based on zymogen structure of trypsin to assess of inhibitory and insecticidal effects on *Plodia interpunctella*. 2nd International Iranian Peptide Conference. 2017, Tehran-Iran.

Ayoubi A., et al., Population control and fecundity decline of *Aphis gossypii* (Hemiptera Aphididae) by elimination of obligatory symbiont *Buchnra aphidicola*. 3rd National Meeting on Biocontrol in Agriculture and Natural Resources of Iran. 2015, Mashhad, Iran.

Riahi E., et al., How different pollens affect the life table parameters of *Typhlodromus bagdasarjani* (Acari: Phytoseiidae). XVIII. International Plant Protection Congress. 2015, Berlin, Germany.

Riahi E., et al., Effect of different diets on development of *Amblyseius swirskii* (Acari: Phytoseiidae). XVIII. International Plant Protection Congress. 2015, Berlin, Germany.

Kashkouli M., et al., Phylogenetic and coevolutionary analysis of the pistachio green stink bug, *Brachynema germari* (Hem.: Pentatomidae) and its bacterial symbiont. 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Kashkouli M., et al., Contribution of gut symbionts: to population growth and fecundity of the pistachio green stink bug, *Brachynema germari* (Hem.: Pentatomidae). 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Karamipour N., et al., Host-symbiont co-speciation and molecular characterization of gut symbiotic bacteria in Striped Shield Bug, *Graphosoma lineatum* (Hemiptera: Pentatomidae). 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Karamipour N., et al., Impaired biological fitness in striped-bug, *Graphosoma lineatum* caused by decreasing of bacterial symbiont density (Hemiptera: Pentatomidae). 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Ayoubi A., et al., Detection and identification of some bacterial endosymbionts in *Aphis gossypii*, *Myzus persicae* and *Brevicoryne brassicae* (Hem. Aphididae). 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Doryanzadeh et al., Population growth parameters of *Aphis gossypii* on eight Cucumis genotypes 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Riahi E., et al., Comparison of biological parameters of *Typhlodromus bagdasarjani* (Acari Phytoseiidae) feeding on different pollens. 1st Iranian International Congress of Entomology. 2015, Tehran, Iran.

Khanamani E., et al., Life table parameters of *Neoseiulus californicus* (Acari Phytoseiidae) feeding on two-spotted spider mite in the presence or absence of pollen as a supplementary food source. 1st Iranian International Congress of Entomology. 2015, Tehran, Iran

Abbasi E., et al., First record of *Petalomium fimbrisetum* (Acari Neopygmephoridae) associated with ants *Lasius* sp. (Hym. Formicidae) from Iran. 1st Iranian International Congress of Entomology. 2015, Tehran, Iran

Kashkouli M., et al., Contribution of gut symbionts to population growth and fecundity of the pistachio green stink bug *Brachynema germari* (Hem. Pentatomidae). 1st Biological Sciences Congress. December 2014, Tehran-Iran.

Kashkouli M., Fathipour Y., **Mehrabadi M.** Wolbachia-virus interactions and its role in antiviral protection in insects. 1st Biological Sciences Congress. December 2014, Tehran-Iran.

Kashkouli M., Fathipour Y., **Mehrabadi M.** Molecular insect host-symbiont interaction and its effects on fitness of Heteropteran insects: implications for new controlling strategies. 2nd National conference on Sustainable Agriculture and Natural Resources. October 2014, Tehran-Iran.

Kashkouli M., Fathipour Y., **Mehrabadi M.** Some biological characteristics and life cycle of *Brachynema germari* Kolenati (Hemiptera: Pentatomidae) in the laboratory condition. 1st Biological Sciences Congress. December 2014, Tehran-Iran. December 2014, Tehran-Iran.

Mehrabadi M., Bandani A.R., Talaei-Hassanlou R., Asgari S. Functional analysis of a cellular microRNA in baculovirus-insect host (Sf9 cells) interactions. 1st Conference of Biological Control in Agriculture and Natural Resources, 27-28 Aug. 2013, University of Tehran, Karaj-Iran.

Mohammadi tabar, H., Talaei, R., **Mehrabadi M.**, Allahyari, H. Influence of host plant species on Diamondback moth, *Plutella xylostella* susceptibility to *Beauveria bassiana* and *Metarhizium anisopliae* and on its fertility life table parameters. 10th International Colloquium on Invertebrate Pathology and Microbial Control. 1 -15 July 2010 -Karadeniz Technical University, Trabzon-Turkey.

Mehrabadi M., Bandani A.R. Perimicrovillar membrane (PMM) from the Sunn pest, *Eurygaster integriceps* Put. (Hem.: Scutelleridae): Origin, structure, formation and function. 19th Iranian Plant Protection Congress, Iranian Plant Protection Research Institute., 24-27 august 2010.

Mehrabadi M., Bandani A.R. Digestion in different nymphal stages of the Sunn pest, *Eurygaster integriceps* Put. (Hem.: Scutelleridae): Stage-specific digestion. 19th Iranian Plant Protection Congress, Iranian Plant Protection Research Institute., 24-27 august 2010.

Mehrabadi M., Bandani A.R. Inhibition of the Sunn pest digestive α - amylases by Triticale α -amylase inhibitors. 19th Iranian Plant Protection Congress, Iranian Plant Protection Research Institute., 24-27 august 2010.

Saadati, F., **Mehrabadi M.**, Bandani A.R. Biochemical characterization of digestive lipase of the Sunn pest *Eurygaster integriceps* (Hemiptera: Scutelleridea). 19th Iranian Plant Protection Congress, Iranian Plant Protection Research Institute., 24-27 august 2010.

Saadati, F., Bandani A.R., **Mehrabadi M.**, Rahimi, V., Naghdi, M. Isolation and characterization of esterases from different tissues of the Sunn pest (Hemiptera: Scutelleridea) *Eurygaster integriceps*. 19th Iranian Plant Protection Congress, Iranian Plant Protection Research Institute., 24-27 august 2010.

Mehrabadi M. Bandani A.R. Biology of Wolbachia and its interaction with insects, XXIII International Congress of Entomology, Durban, South Africa, 6-12 july 2008.

Mehrabadi M. Bandani A.R. Assay of α -amylase in gut and salivary glands of *Eurygaster maura* (Scutelleridae: Hemiptera), XXIII International Congress of Entomology, Durban, South Africa, 6-12 july 2008.

Mehrabadi M. Bandani A.R. Determination of gut and salivary pH and comparing of α -amylase activity in various nymphal stages and adults of *Eurygaster maura* (Scutelleridae: Hemiptera), XXIII International Congress of Entomology, Durban, South Africa, 6-12 july 2008.

Zibae A., Bandani A.R., **Mehrabadi M.**, Ramzi S. A study on α - and α -glucosidase characteristics in *chilo suppressalis* Walker (Lepidoptera: Pyralidea), rice stem borer, XXIII International Congress of Entomology, Durban, South Africa, 6-12 july 2008.

Mehrabadi M., Bandani A.R. Belbasi M., Ahmadi M.R. Determination of biochemical characteristics of midgut α -amylase in wheat bug *Eurygaster maura*, 18th Iranian Plant Protection Congress, Bualisina Un., 24-27 august 2008.

Naghdi M., Bandani A.R., **Mehrabadi M.**; The effect of GNA lectin on α -amylase activity of beet army worm, 18th Iranian Plant Protection Congress, Bualisina Un., 24-27 august 2008.

Hashemi S.M., **Mehrabadi M.**, Rasoulia G.R. Assessing cabbage growers' awareness and knowledge potential to adopt IPM in aghtapeh town, Karaj, 18th Iranian Plant Protection Congress, Bualisina Un., 24- 27 august 2008.