



Dr. Masoud Latifian

Associate Professor
Horticulture Science Research Institute of Iran

Highest Degree

Ph.D. in Entomology and Biological Control from Shahid Chamran University of Ahvaz, Ahvaz, Iran

Biography

Dr. Masoud Latifian is currently working as Associate Professor and Deputy Minister of Research and Technology Development Horticultural science Research Institute of Iran. He obtained his Ph.D. in Agricultural Entomology from Shahid Chamran University of Ahvaz, Iran. His current area of research interest focuses on Mass Production of Microbial Pest Control Agents, and Biological Control of fruits tree and stored Pests. He is author and co-author of 94 papers, 8 books.

Management Experience

Head of Plant Protection Research Department (Date and Tropical Fruit Research Institute)

Research Director (Date and Tropical Fruit Research Institute)

Director of Date and Tropical Fruit Research Institute

General Director of the Tropical and Sub-Tropical Fruits Office

Director of Research and Technology Development (Horticultural Science Research Institute)

Skills	Integrated Pest Management, Entomopathogens, Agricultural Entomology, Biological Pest Control, Insect Ecology, Crop Protection, Economic Entomology, Biological Control, Cultural Management, Integrated Crop Management, Insect Pathology, Biopesticide Development,
Languages	English, Persian

Area of Interest:

Plant protection Sciences	100%
Entomology	62%
Ecological Research	90%
Bio-control	75%
Microbial Pesticides	55%

Selected Publications

Books

- 1- Masoud Latifian et al., Wast management of Tropical and subtropical fruits tree
 - 2- Masoud Latifian, Commercial production Technology of biological control agents, 2018
 - 3- Masoud Latifian, Itegrated pest management of Date palm pests, 2016
 - 4- Masoud Latifian, Negar Bahmani: *Microbial pests control engineering*. Edited by Date palm and Tropical fruits research institute of Iran, 07/2014; Katibeh Sabz Auvaz., ISBN: 9786006264394
 - 5- Masoud Latifian, H. Mohebi, A. Torahi: *Planting and cultivation of date palm*. 01/2014;
 - 6- Masoud Latifian: *Epizootiology of insect diseases*. 01/2014;
 - 7- Masoud Latifian, Majid Amani Parasto Nikbakht: *Potharvest Sanitation of Date Palm & Tropical Fruits*. Edited by Ministry of Jihad – e – Agriculture Agricultural Research, Education and Extension Organization Date Palm and Tropical Fruits Research Institute of Iran, 03/2013; Katibeh Sabz Ahvaz., ISBN: 9788005284358.
 - 8- Masoud Latifian: *Date palm stored pests control*. 01/2013
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Some of Journal Publications

1. Latifian, M. 2020. Population Assessment of Common Stored Pest Species in Date Fruit Zahedi Cv. Based on Spectroscopic Method.

2. Latifian, M. and B. Rad, 2020. Study the synergistic effects of ecdysoids and diatomaceous earth on *Metarhizium anisopliae* for control of date horned beetle larvae, *Oryctes elegans* Prell
3. Latifian, M. 2019. Effect of Protein and Vitamins Supplements on Growth Indices of entomopathogenic fungi *Beauveria bassiana* and *Metarhizium anisoplia* at blastospore proliferation stage. *Journal of Entomological Research*.
4. Latifian, M. and B. Rad, 2019. Efficacy evaluation of *Metarhizium anisopliae* inoculative release for biological control of date palm horned beetle *Oryctes elegans* in garden. *J. Entomol. Soc. Iran*, 39: 33-45.
5. Latifian, M., M. Ghazavi and E. Soleimannejadian, 2018. The role of temperature on the pathogenicity of *Beauveria bassiana* in populations of sawtoothed grain beetle, *Oryzaephilus surinamensis* (Coleoptera: Silvanidae) fed on stored date fruits. *J. Crop Prot.*, 7: 395-402. [Direct Link](#) |
6. Latifian, M., B. Rad and B. Habibpour, 2018. Termites of Iranian date palm orchards and their spatial and temporal distribution. *Sociobiology*, 65: 24-30. [CrossRef](#) | [Direct Link](#) |
7. Latifian, M., B. Habibpour and B. Kard, 2018. Predator ants of the date palm termite *Microcerotermes diversus silvestri* and effects of ant morphometric characteristics on ant functional response. *Am. J. Entomol.*, 2: 16-22. [CrossRef](#) |
8. Latifian, M., 2018. Physicochemical properties affects on different oil formulations on fungus *Metarhizium anisopliae* for control of *Oryctes elegans*. *J. Entomol.*, 15: 83-92. [CrossRef](#) | [Direct Link](#) |
9. Latifian, M., 2018. Efficiency of *Bacillus thuringiensis* for biological control of date lesser moth (*Batrachedra amydraula*) in field conditions. *Plant Pest Res. Q. J.*, 7: 1-11. [CrossRef](#) | [Direct Link](#) |
10. Latifian, M., E.S. Nejjadian and M. Ghazavi, 2017. The epizootic models of *Beauveria bassiana* in sawtoothed grain beetle, *Oryzaephilus surinamensis* populations feeding on date fruits. *Biol. Control Pest Plants Dis.*, 6: 207-220.
11. Latifian, M., 2017. Integrated pest management of date palm fruit pests: A review. *J. Entomol.*, 14: 112-121. [CrossRef](#) |
12. Latifian, M., 2017. Foraging and functional response of the predator, *Stethorus gilvifrons* Mulsant.(Coleoptera: Coccinellidae), fed on the date palm spider mite, *Oligonychusa frasiaticus* McGregor (Acari: Tetranychidae). *Egypt. J. Biol. Pest Control*, 27: 93-99.
13. Latifian, M., 2017. A review of date palm integrated pest management (Challenges and solutions). *J. Entomol. Res.*, 8: 271-287.

14. Latifian, M. and G. Kajbafvala, 2017. Inoculate release of *Stethorus gilvifrons* Mulsan (Coleoptera: Coccinellidae) for biological control of date palm spider mite, *Oligonychus afrasiaticus* McGregor (Prostigmata: Tetranychidae). J. Plant Prot., 31: 337-351. [Direct Link](#) |
15. Latifian, M. and B. Rad, 2017. Efficacy of cultural control for date palm borer management. Indian J. Plant Prot., 45: 7-11. [Direct Link](#) |
16. Arbabi, M., M. Latifian, M. Askari, M.T. Fasihi, M.R. Damghani, N.G.Z. Khiaban and H. Rezai, 2017. Evaluation of different treatments in control of *Oligonychus afrasiaticus* in date palm orchards of Iran. Persian J. Acarol., 6: 125-135. [Direct Link](#) |
17. Latifian, M. 2017. A Review of Date palm integrated pest management (Challenges and Solutions) Journal of Entomological Research.
18. Shakarami, J., R. Eftekharifar, M. Latifian and S. Jafari, 2015. Insecticidal activity and synergistic effect of *Beauveria bassiana* (Bals.) Vuill. and three botanical compounds against third instar larvae of *Ephesia kuehniella* Zeller. Res. Crops, 16: 296-303.
19. Latifian, M. and G.R. Kajbafvala, 2015. Pathogenicity of *Bacillus thuringiensis* against three important date palm insect pests. Arab. J. Plant Prot., 33: 323-329. [Direct Link](#) |
20. Latifian, M. and B. Rad, 2015. A study on the efficiency of *Beauveria bassiana* Isolate inoculation release for *Oryzaephilus surinamensis* control in date store. J. Entomol., 12: 80-38. [CrossRef](#) |
21. Latifian, M., B. Rad, I. Rahkhodaei and J. Shakarami, 2014. Interaction between neem and *Beauveria bassiana* on survival of sawtoothed beetle (*Oryzaephilus surinaemnsis*) in laboratory conditions. Plant Pest Res., 4: 35-46. [Direct Link](#) |
22. Latifian, M., B. Rad and M. Amani, 2014. Mass production of entomopathogenic fungi *Metarhizium anisopliae* by using agricultural products based on liquid-solid diphasic method for date palm pest control. Int. J. Farming Allied Sci., 3: 368-372.
23. Latifian, M., A.A. Rahnama and M. Amani, 2014. The effects of cultural management on the Date spider mite (*Oligonychus afrasiaticus* McG) infestation. Int. J. Farm. Allied Sci., 3: 1009-1014. [Direct Link](#) |
24. Latifian, M., 2014. Study the effects of dusts phenomenon on date palm important pests and diseases. Int. J. Res. Agric. Sci., 2: 8-15. [Direct Link](#) |
25. Latifian, M., 2014. Date palm spider mite (*Oligonychus afrasiaticus* McGregor) forecasting and monitoring system. WALIA J., 30: 79-85. [Direct Link](#) |
26. Rahnama, A. and M. Latifian, 2013. Intercropping relative efficiency and its effects on date palm pests and disease control. Int. J. Agric. Res. Rev., 3: 617-623. [Direct Link](#) |

27. Latifian, M. and B. Rad, 2013. Determination the population density of the different development stages of the Indian moth *Plodia interpunctella* Hbn in Date fruit Sayer cultivar based on spectrophotometer method. *Int. J. Agric. Crop Sci.*, 5: 1755-1764.
28. Khajehzadeh, Y. and M. Latifian, 2013. Response of different date palm cultivars to lesser date moth (*Batrachedra amydraula* Meyr.) under natural infestation in Behbahan. *Seed Plant Improv. J.*, 29: 311-330.
29. Latifian, M., E. Soleimannejadian, M. Ghazavi, M. Mosadegh and J. Hayati, 2012. Study the horizontal and between generations transmissions of fungi beauveria bassiana on sawtoothed beetle population oryzaephilus surinamensis in terms of nutrition date palm cultivars. *J. Entomol. Res.*, 4: 257-267.[Direct Link](#) |
30. Latifian, M., A.A. Rahnama and H. Sharifnezhad, 2012. Effects of planting pattern on major date palm pests and diseases injury severity. *Int. J. Agric. Crop Sci.*, 4: 1443-1451. [Direct Link](#) |
31. Latifian, M., 2012. Voracity and feeding preferences of larvae and adult stages of *Stethorus gilvifrons* Mulsant. (Coleoptera: Coccinellidae) on larvae and adult of *Oligonychus afrasiaticus* McGregor (Acarina: Tetranychidae). *Int. J. Agric. Crop Sci.*, 4: 540-546.[Direct Link](#) |
32. Latifian, M., 2012. The effects of cultural management on the lesser date moth (*Batrachedra amydraula* Myer) infestation. *Emirates J. Food Agric.*, 24: 224-229. [Direct Link](#) |
33. Latifian, M. and E. Rahkhodaei, 2012. Development of a novel bioassay for evaluating of the infectivity and between generation transmission effects of entomopathogenic fungi *Beauveria bassiana* (Balsamo) vuilleminon on population of sawtoothed beetle (*Oryzaephilus surinamensis* L.) fed on date palm cultivars. *Int. J. Agric. Crop Sci.*, 4: 811-817. [Direct Link](#) |
34. Latifian, M. and B. Rad, 2012. Pathogenicity of the entomopathogenic fungi *Beauveria bassiana* (Balsamo) Vuillmin, *Beauveria brongniartii* Saccardo and *Metarhizium anisopliae* Metsch to adult *Oryctes elegans* Prell and effects on feeding and fecundity. *Int. J. Agric. Crop Sci.*, 4: 1026-1032.
35. Bahmani, N., H. Ostovan, M. Latifian and B. Rad, 2012. Study the lethal doses of suitable isolate of *Beauveria bassiana* for microbial control of *Ephesia kuehniella* on Sayer date cultivar. *Plant Prot. J.*, 4: 67-81.[Direct Link](#) |
36. Arabnezhada, H., M. Bahara, H.R. Mohammadia and M. Latifian, 2012. Development, characterization and use of microsatellite markers for germplasm analysis in date palm (*Phoenix dactylifera* L.). *Sci. Hortic.*, 134: 150-156.[CrossRef](#) |
37. Latifian, M. et al. 2011. Effect of the fungus, *Beauveria bassiana* (Balsamo) (Asc., Hypocreales) on the functional response and host preference of the parasitoid

Cephalonomia tarsalis (Ashmead) (Hym., Bethyridae) in larval population of the sawtoothed beetle *Oryzaephilus surinamensis* L. (Col., Silvanidae). Journal of Entomological Research

38. Latifian, M and N.E. Soleyman. 2011. Comparison of apparent and marginal parasitism of egg parasitoid of grape leafhopper *Arboridia kermanshah* Delabola (Hem., Cicadellidae) in different climatic regions of Isfahan, Iran. Journal of Entomological Research
39. Latifian, M. 2011. Study on the effects of spatial distribution and density of the parasitoid *Anagrus atomus* L. (Hym., Mymaridae) on its searching efficiency on grape leafhopper eggs *Arboridia kermanshah* Delabola (Hem., Cicadellidae). Journal of Entomological Research
40. Latifian, M. et al. 2011. Study on spore survival of *Beauveria bassiana* Vuillemin in the mass of different date cultivars. Journal of Entomological Research
41. Latifian, M and N.E. Soleyman, 2010. Comparison of apparent and marginal parasitism of egg parasitoid of grape leafhopper *Arboridia kermanshah* Delabola (Hem., Cicadellidae) in different climatic regions of Isfahan, Iran. J. Entomol. Res., 2: 97-107. [Direct Link](#) |
42. Latifian, M., H. Seyedoleslami and J. Khjeali, 2009. Comparison of several sampling techniques to estimate population densities of grape leafhopper *Arboridia kermanshah* delabola (Hom.: Cicadellidae). J. Entomol. Res., 1: 95-108.
43. Latifian, M. and E. Solymannejadian, 2008. Study on the phenology of egg parasitoid *Anagrus atomus* L., (Hym.: Mymaridae) and its host (grape leafhopper) *Arboridia kermanshah* D. (Homo.: Cicadellidae) to evaluated parasitism by recruitment method. Scient. J. Agric., 31: 111-123.
44. Latifian, M., S.S. Marashi, S. Ahmadizadeh and P. Nikbakht, 2007. Host preference of date palm spider mite, *Oligonychus afrasiaticus* (McGregor), to native date palm cultivars of Khuzestan. J. Seeds Plant Improv., 23: 245-255. [Direct Link](#) |
45. Latifian, M., S. Ahmadizadeh and P. Nikbakht, 2005. Host preference of date lesser moth (*Batrachedra amydraula* Meyr) to Khuzestan native cultivars of date palm. J. Seeds Plantlet, 20: 215-223. [Direct Link](#) |
46. Latifian, M., M. Seyedoleslami and J. Khajeali, 2005. A model for tolerance threshold of grape leafhopper *Arboridia kermanshah*. J. Sci. Technol. Agric. Natl. Resour., 9: 231-241, (In Persian).
47. Latifian, M., M. Seyedoleslami and J. Khajeali, 2004. Whitin plant distribution, Deil activity and geographical distribution of grape leafhopper *Arboridia kermanshah* in Isfahan province. J. Sci. Technol. Agric. Natl. Resour., 10: 205-217, (In Persian).

48. Latifian, M., H. Seyedoleslami and J. Khajehali, 2004. Morphology of immature stages, biology and seasonal population fluctuations of *Arboridia kermanshah* dlabola (Hom.: Cicadellidae) in Isfahan province. *J. Water Soil Sci.*, 8: 229-240.
49. Latifian, M., 2003. The Technology of Date Palm Stored Pests Control. Ahangghalam Publication, Mashhad, pp: 100.
50. Latifian, M., 2001. Management Factors Roles in Pest and Disease Control. Date Palm and Tropical Fruit Research Institute, Iran, pp: 32.