CURRICULUM VITAE

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Academic qualifications:

BSc: Plant Prtection, Islamic Azad University of Jahrom, Iran.

MSc: Agricultural Entomology, Tarbiat Modares University, Tehran, Iran.

PhD: Agricultural Entomology, Tarbiat Modares University, Tehran, Iran.

Research interests:

1. **Nano and Micro-formulation of herbal and biorational pesticides**
2. **Extraction of medicinal plants and their new pesticide formulation and commercialization with new technologies (micro and nano)**
3. **Control release techniques for chemical and herbal pesticide**
4. **Pesticide Formulation of Biodegradable and biocompatible polymer based herbal extract and biorational methods in agriculture**

5. **Health and food safety with biopesticide**
6. **The commercial use of plant based pesticide and its integration into viable pest control programmes**
7. **Preparation of biorational insecticides in pest management in agriculture**
8. **Production of basic, synthetic and polymeric plant pesticides.**
9. **production of different types of plant and minerals soaps.**
10. **Production of nano and non-nano form of oils based on Vegetable, mineral, oil, biological and chemical formula.**
11. **Production and use of biological agents and chemical products and other biocompatible inputs for the production of healthy products.**
12. **Formation of various pharmaceutical, fertilizer and chemical formulations, plant hormones and pheromones, and blemish and fungal, viral and bacterial control agents.**
13.

Selected research projects:

1. **Production of nanoencapsulated botanical pesticides formulated by poly urea-formaldehyde for non-stored product pest control**
2. **Production of nanoencapsulated botanical pesticides formulated by alginate**
3. **Production of organic pesticides miscible in soil for agricultural pest control**
4. **Pesticides Production of powder and tablet nanoencasulated formulations containing plant essential oils and biodegradable polymers for rice weevil control**
5. **Development and Application of botanical pesticide based on biodegradable polymer with the nano technology in pest management of *Pistachio psylla***
6. **Production of herbal pesticides DAYABON to control agricultural pests**

Selected publication:

1- BOOK

Chapte book in title: Plant Essential Oils and Pest Management and publish a book entitled "Biopesticides-basic and applied" during this year 2012 in Third Biopesticides International Conference.

2- Gold medal for patent(76358)

3- Negahban, M., Pezeshki, M., Zandi, M. and Moharramipour, S. 2012.Production of nanoencapsulated botanical pesticides formulated by poly urea-formaldehyde for non-stored product pest control (76358).

4- Patent(76357)

5- Negahban, M., Pezeshki, M., Zandi, M. and Moharramipour, S. 2012.Production of botanical pesticides in tablet form (76357)

6- Patent (76354)

Negahban, M., Pezeshki, M., Zandi, M. and Moharramipour, S. 2012. Production of nanoencapsulated botanical pesticides formulated by alginate (76354).

7- Patent (76355)
Negahban, M., Pezeshki, M., Zandi, M. and Moharramipour, S. 2012. Production of organic pesticides miscible in soil for agricultural pest control (76354).

***8*- Naraghi, L. and Negahban, M. 2019.Efficacy of several nanoformulations containing *Talaromyces flavus* in biological control of Tomato Fusarium Wilt Disease. Acta Biological Indica, 8:38-47.**

9- Naraghi, L. and Negahban, M. 2019.The application of nanotechnology in developing Talaromyces flavus formulations. International Journal of Bio-Technology and Research,8(3):1-10.

10- Naraghi, L. and Negahban, M. 2018.The efficacy of nanoparticles containing Talaromyces flavus in habiting the growth of Verticilium Dahliae, the causal agent of cotton wilt disease. International Journal of agricultural science and research.8(2). 229-240.

11- Naraghi, L., Negahban, M., Heydari, A., Razavi, M., Afshar-Azad,H. 2018.The effects of nanoparticles on sporulation and active population of Talaromyces flavus. International Journal of Bio-Technology and Research,8(2):27-38.

12- Louni, M., Negahban, M. and Shakarami, J. 2018.Comparison of durability of Mentha longifolia (Lamiaceae) essential oil and its nanoemulsion against Ephestia kuehniella (Lep:Pyralidae). Entomology and Phytopathology.86(1):103-114

13- Louni, M., Shakarami, J. and Negahban, M. 2018. Insecticidal efficacy of nanoemulsion containing Mentha longifolia essential oil against Ephestia kuehniella (Lepidoptera: Pyralidae). J. Crop Prot. 2018, 7 (2): 171-182

14- Louni, M., Shakarami, J. and Negahban, M. 2018. Study of durability of nanoemulsion from Mentha longifolia (Lamiaceae) essential oil against Ephestia kuehniella. 2nd National conference on Nanostructure, Nanoscience and Nanoengineering, Feb 14,1-9

15- Negahban M., Moharramipour S. and Sefidkon F. 2006. Insecticidal activity and chemical composition of *Artemisia sieberi* Besser essential oil from Karaj, Iran. Journal of Asia-Pasific Entomology, 9(1): 61-66.

16- **Negahban, M., Moharramipour, S. and Sefidkon, F. 2006. Chemical composition and insecticidal activity of *Artemisia scoparia* essential oil against three coleopteran stored-product insects. Journal of Asia-pacific Entomology, 9(4): 381-388.**

17- **Negahban, M., Moharramipour, S. and Sefidkon, F. 2007. Fumigant toxicity of essential oil from Artemisia sieberi Besser against three stored-product insects. Journal of Stored Products Research, 43: 123-128.**

18- **Negahban, M. and Moharramipour, S. 2007. Fumigant toxicity of *Eucalyptus intertexta, Eucalyptus sargentii* and *Eucalyptus camaldulensis* against stored-product beetles. Journal of Applied Entomology, 131(4): 256-261.**

19- **Kambouzia, J., Negahban, M. and Moharramipour, S. 2009. Fumigant toxicity of *Eucalyptus leucoxylon* against stored product insects. American Eurasian Journal Sustain Agricature. 3(2): 229-233.**

20- **Ahmadi, M., Moharramipour,S. Mozdarani H. and Negahban, M. 2008. Combined effect of gamma radiation and *Perovskia atriplicifolia* for the control of red flour beetle, *Tribolium castaneum*. Communications in Applied Biological Sciences, 73(3): 643-650.**

21- **Maryam Negahban, Saeid Moharramipour, Mojgan Zandi , Seyed Ali Hashemi and Fariborz Ziayee, Nano-Insecticidal Activity of Essential Oil from *Cuminum cyminum* on *Tribolium castaneum*, Controlled Atomesphere and Fumigation in Stored Product, pp.63-68**

22- **Maryam Negahban, Saeid Moharramipour, Mojgan Zandi , Seyed Ali Hashemi . Fumigant Properties of Nano-Encapsulated Essential Oil from *Artemisia sieberi* on *Tribolium castaneum*, Controlled Atomesphere and Fumigation in Stored Product, pp.101-105.**

Conference paper:

1. **Vahabi, M., Moharramipour, S. and Negahban, M. 2014 Insecticidal properties of nonoencasulated essential oil extracted from Artemisia sieberi on Xanthogaleruca luteola 3rd Integrated Pest Management Conference (IPMC) 21 & 22 January 2014, Kerman, Iran.p.575.**

2. **Dalir, S., Moharramipour, S. and Negahban, M. 2014. Fumigant toxicity of Artemisia siberi essential oil on *Stephanitis pyri*, 3rd Integrated Pest Management Conference (IPMC) 21 & 22 January 2014, Kerman, Iran.p.597.**

3. **Negahban, M., Moharramipour, S. and Sarbolouki M.N. 2009. Nano encapsulated *Artemisia sieberi*. Essential oil as a new formulation against *Callosobruchus maculatus*. 2 th IOBC Conference of Integrated Protection of Stored Products, 29-2, July 2009, Campobasso, Italy, P. 32.**

4. **Maryam Negahban, Saeid Moharramipour, Mojgan Zandi , Seyed Ali Hashemi and Fariborz Ziayee, Nano-Insecticidal Activity of Essential Oil from *Cuminum cyminum* on *Tribolium castaneum*, Controlled Atomesphere and Fumigation in Stored Product, pp.63-68**

5. **Maryam Negahban, Saeid Moharramipour, Mojgan Zandi , Seyed Ali Hashemi . Fumigant Properties of Nano-Encapsulated Essential Oil from *Artemisia sieberi* on *Tribolium castaneum*, Controlled Atomesphere and Fumigation in Stored Product, pp.101-105.**

6. **Zandi, M., Negahban, M., Moharramipour, S and Hashem, S.A 2010. Preparation and characterization of Nanoparticles Containing Cuminum cyminum L. Oil for Potential Agriculture Insecticidal Application. 93rd Canadian Chemistry Conference and Exhibition.**

7. **Negahban, M., Moharramipour, S., Hashem, S.A and Zandi, M. 2010. Insecticidal Properties of Nano Capsules of Essential Oil from Artemisia sieberi Besser on Tribolium castaneum (Herbst). 93rd Canadian Chemistry Conference and Exhibition.**

8. **Negahban, M., Moharramipour, S. and Yousefelahi, M. 2004. Efficacy of essential oil from Artemisia *scoparia* Waldst. & Kit. Against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). Proceedings of the Fourth International Iran & Russia Conference, 261-266. (On CD).**

9. **Moharramipour, S. and Negahban, M. 2005. Efficacy of essential oil from *Artemisia sieberi* against *Callosobruchus maculatus* (Coleoptera: Bruchidae). 5th Asia – Pacific Congress of Entomology, 18-21 October 2005, Jeju, South Korea, p. 210.**

10. **Negahban, M., Moharramipour, S. and Sefidkon, F. 2006. Insecticidal activity and chemical composition of essential oil from *Artemisia scoparia*. 11th IUPAC International Congress of Pesticide Chemistry, 6-11, August 2006, Port Island Kobe, Japan. P. 32.**

11. **Negahban, M., Moharramipour, S. and Sarbolouki M.N. 2009. Nano encapsulated *Artemisia sieberi*. Essential oil as a new formulation against *Callosobruchus maculatus*. 2 th IOBC Conference of Integrated Protection of Stored Products, 29-2, July 2009, Campobasso, Italy, P. 32.**

12. **Negahban, M. and Moharramipour, S. 2008. Efficacy of two species of Artemisia on nutritional indices of Tribolium castaneum (Herbst). The 1st International Symposium on medicinal plants.p. 52.**

13. **Kambouzia, J., Negahban, M. and Moharramipour, S. 2008. Fumigant toxicity of Eucalyptus leucoxylon against stored product insects. The 1st International Symposium on medicinal plants.p.49.**

14. **Yadollahpour, A, Moharramipour, S. and Negahban, M. Laboratory investigation on the microencapsulated formulation of the entomopathogenic fungus Metarhizium anisopliae against the twospotted spider mite Tetranychus urticae. 2014 3rd Integrated Pest Management Conference (IPMC) 21 & 22 January 2014, Kerman, Iran.p.513.**

Thesis supervisor

1- **Insecticidal effects of nanoemulsion and nanopowder of *Mentha longifolia* essential oil on *Callosobruchus maculatus* (Col: Bruchidae) and *Ephestia kuehniella* (Lep: Pyralidae), Lorestan University, Faculty of Agriculture Department of Plant Protection . 2019.**

2- **The effect of herbal nanoemulsion on tetranychus urticae in green house, tarbiat modares university,2019.**

3- **Investigation of the effect of multi-compound insecticides on Agonoscena pistaciae (Hem .: Psyllidae) in laboratory and field conditions tarbiat modares university,2017.**

4- **Evaluation of the Effectiveness of Nanocapsule Formulation of Plant Essential Oil Based on Biodegradable Polymers for the Control of Rice Weevil Sitophilus oryzae (L.). science and Research branch ISLAMIC Azad University, 2019.**

5- **Effect of herbal nanoemulsion Compounds on the control ofAleuroclava sp.(Hem: Aleyrodidae), Shahed university,2018.**

6- **Performance evaluation of botanical insecticide, Dayabon, on the elm leaf beetle, Xanthogaleruca luteolla, Tarbiat modares university, 2017.**

7- **Survey on efficacy of nanoemulsion and nanoencapsulation containing essential oils of Mentha spicata and Thymus vulgaris on biological and physiological aspects of Ephestia kuehniella (Lep.: Pyralidae) and Tribolium castaneum (Col.: Tenebrionidae).**

Urmia University, 2019.