

# Curriculum Vitae



**NAME & SURNAME:** Behzad Habibpour

**DATE OF BIRTH:** 1968



**ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Plant Protection, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran, & Post code: 61357-43311



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**ACADEMIC E-MAIL ADDRESS:** habibpour\_b@scu.ac.ir

**PERSONAL E-MAIL ADDRESS:** behhab47@gmail.com

## PROFESSIONAL PROFILE:

Associate Professor of Agricultural Entomology in Shahid Chamran University (SCU) of Ahvaz, Iran

**Orcid ID:** 0000-0003-2708-1499

### Google Scholar Pages:

<https://scholar.google.com/citations?user=c0ReDbEA&user=c0ReDbEAAA AJ>

**Researchgate Page:** <https://www.researchgate.net/profile/Behzad-HabibpourGoo>

**Web of Science Researcher ID:** AAG-4697-2021

**Scopus ID:** 22957952200

## SKILLS AND EXPERIENCES:

Beekeeping - Insects rearing/farming for feeding purposes (for Recognizing Future Potential of Edible Insects) - Strong international connections in my field of study (Entomology)- Twenty six years of teaching experience at the university- Pest control project manager/consultant/inspector for

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several major industrial companies- Owner of a Nanotech patent in Termite control- R&D manager/supervisor/consultant- Established my company with the main objects including development and improvement of agricultural technologies & producing environmentally safe formulations of pesticides.

## EDUCATION BACKGROUND:

**Ph.D.:** Agricultural Entomology (2006), Department of Plant Protection, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran

### Thesis title:

Laboratory and field evaluation of bait-toxicants for suppression of subterranean termite populations in Ahvaz (Iran)

**M.Sc.:** Agricultural Entomology (1994), Department of Plant Protection, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran

### Dissertation title:

Termites (Isoptera) fauna, economic importance and their biology in Khuzestan province, Iran

**B.S.:** Agricultural Engineering (Plant Protection) (1991), Department of Plant Protection, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran

## TEACHING AND TRAINING EXPERIENCE:

- Lecturer, Shahid Chamran University of Ahvaz, Ahvaz, Iran (1994-2006)
- Assistant Professor of Entomology, Shahid Chamran University of Ahvaz, Ahvaz, Iran (2006 - 2013)
- Associate Professor of Entomology, Shahid Chamran University of Ahvaz, Ahvaz, Iran (2013 - present)

## RECENT COURSES:

- Assessment of Crop Yield and Economic Losses caused by Agricultural Pests (for PhD students)
- Insect Physiology (for M.Sc. students)
- Insect Morphology (for M.Sc. students)
- Toxicology (for B. Sc. Students)
- Medical Entomology/Public Health Pests (for B. Sc. Students)

## HONOURS AND AWARDS:

- **Ron Cockcroft Award**, The International Research Group on Wood Protection, Norway (2006)
- Scholarship for M.Sc. Degree from Shahid Chamran University of Ahvaz, Iran
- Scholarship for Ph.D. Degree from Ministry of Science, Research and Technology of Iran

- Ranked 1st in Iranian national wide graduate entrance exam in my field of study (Entomology)

## INTERESTS AND RESEARCH FIELDS:

- Evaluation of Agricultural Technologies for increasing/improving plant yields/crop quality
- Effectiveness of wood preservatives to immunize/protect timbers to termites and wood borer insects
- Termite ecology and termite management (environmentally sound tactics especially bait systems/bait formulations) in Iran
- Insects Mass Rearing
- Insect pests' population estimates/crop loss assessment/control in the sugarcane plantations and forests/ornamental plants
- Investigation on agricultural/public health pests control strategies (with the environment-related sustainable development goals)
- Developing formulations of plant extracts/essential oils as environmentally safe alternatives to chemical control of insect/mite pests
- Physiological responses of insects/plants to pesticides and evaluation of pesticides behavior in the environment (soil, water, ....) and their impact upon it

## RESEARCH ACTIVITIES:

### SELECTED PUBLICATIONS:

- Roozdar, E., Habibpour, B., Mossadegh, M. S. & Mahmoodi Sourestani, M. 2020. Efficacy of different formulations of essential oils against the cotton mealybug, *Phenacoccus solenopsis* (Hemiptera: Pseudococcidae) under laboratory conditions. Journal of Entomological Society of Iran. 40 (2): 183-199.
- Roozdar, E., Habibpour, B., Mossadegh, M. S. & Mahmoodi Sourestani, M. 2019. Evaluation of biological effects of essential oils of 14 plant species against cotton mealybug, *Phenacoccus solenopsis* (Hem.: Pseudococcidae) under laboratory conditions. Plant Protection (Scientific Journal of Agriculture (Iran)). 42(3):71-83.
- Dedeine F, Dupont S, Guyot S, Matsuura K, Wang C, Habibpour B, Bagnères AG, Mantovani B, Luchetti A. 2016. Historical biogeography of *Reticulitermes* termites (Isoptera: Rhinotermitidae) inferred from analyses of mitochondrial and nuclear loci. Molecular Phylogenetics and Evolution. 94, 778–790. (doi:10.1016/j.ympev.2015.10.020).
- Habibpour, B. 2010. Laboratory evaluation of Flurox, a chitin synthesis inhibitor, on the termite, *Microcerotermes diversus*. Journal of Insect Science. 10, 1–8.
- Habibpour, B, Ekhtelat M, Khocheili F, Mossadegh MS. 2010. Foraging population and territory estimates for *Microcerotermes diversus* (Isoptera: Termitidae) through mark-release-recapture in Ahwaz (Khouzestan, Iran). Journal of Economic Entomology. 103(6):2112-7. (doi: 10.1603/ec09338).
- Latifian, M., Rad, B. & Habibpour, B. 2018. Termites of Iranian date palm orchards and their spatial and temporal distribution. Sociobiology. 65(1): 24-30.
- Ekhtelat, M., Habibpour, B., Ziaee, M. & Poursartip, L. 2018. The effects of bait shape and

composition on acceptance and consumption of bait by *Microcerotermes diversus* (Isoptera: Termitidae) under laboratory and field conditions. *Journal of Crop Protection (Iran)*. 7 (4): 403-414.

- Shafiei Alavije, E., Habibpour, B., Moharramipour, S. & Rasekh, A. 2014. Bioactivity of *Eucalyptus camaldulensis* essential oil against *Microcerotermes diversus* (Isoptera: Termitidae). *Journal of Crop Protection (Iran)*. 3 (1): 1-11.
- Habibpour, B., Mossadegh, MS., Henderson., G. & Moharramipour, S. 2007. Laboratory evaluation of two insect growth regulators (IGRs) on *Microcerotermes diversus* (Silvestri) (Isoptera: Termitidae) in southwest Iran. *Sociobiology*. 50 (3): 1199-1209.

#### Publications:

1. Roodzar, E., Habibpour, B., Mossadegh, M. S. & Mahmoodi Sourestani, M. 2019. Evaluation of biological effects of essential oils of 14 plants species against cotton mealybug, *Phenacoccus solenopsis* (Hem.: Pseudococcidae) under laboratory conditions. *Plant Protection (Scientific Journal of Agriculture (Iran))*. 42(3):71-83.
2. Darmiani, M., Habibpour, B. & Hassibi, P. 2019. Investigation on the effect of imidacloprid concentrations on lipid peroxidation and antioxidant defense enzyme activity in the termite *Microcerotermes diversus* (Isoptera: Termitidae). *The 3<sup>rd</sup> Iranian International Congress of Entomology*. Tabriz, Iran.
3. Jalilian, Z., Habibpour, B. & Hassibi, P. 2018. Evaluation of the toxicity effects of borax different concentrations on energy resources in the termite *Microcerotermes diversus* Silvestri (Isoptera:Termitidae). *The 2<sup>sd</sup> Iranian International Congress of Entomology*. Karaj, Iran.
4. Darmiani, M., Habibpour, B. & Hassibi, P. 2018. Effects of different concentrations of fenoxycarb on oxidative stress and changes in biomarkers in *Microcerotermes diversus* Silvestri. *The 2<sup>sd</sup> Iranian International Congress of Entomology*. Karaj, Iran.
5. Darmiani, M., Habibpour, B. & Hassibi, P. 2018. The effects of different concentrations of borax on lipid peroxidation and antioxidant enzyme system activities of *Microcerotermes diversus* (Isoptera: Termitidae). *Iranian Journal of Plant Protection Science*. 49(1):121-130.
6. Ekhtelat, M., Habibpour, B., Ziaee, M. & Poursartip, L. 2018. The effects of bait shape and composition on acceptance and consumption of bait by *Microcerotermes diversus* (Isoptera:Termitidae) under laboratory and field conditions. *Journal of Crop Protection (Iran)*. 7 (4): 403-414.
7. Karam Kiani, N., Seraj, A.A., Habibpour, B. & Ziaee, M. 2018. Evaluation of the citrus leaf miner (*Phyllocnistis citrella*) in Ahvaz region damage to different citrus species. *Iranian Journal of Plant Protection Science*. 49(1): 91-98.
8. Mohammadi, H., Mastary Farahani, M.R., Yousefi, H. & Habibpour, B. 2018. Effect of Nano-zinc oxide and adhesive type on Physical and Mechanical Properties of Laminated Strand Lumber. *Journal of Wood & Forest Science and Technology*. 25 (1): 33-47.
9. Latifian, M., Habibpour, B. & Kard, B. 2018. Predator Ants of the Date Palm Termite *Microcerotermes diversus* Silvestri and Effects of ant Morphometric Characteristics on ant Functional Response. *American Journal of Entomology*. 2(2): 16-22.
10. Jalilian, Z., Habibpour, B. & Hassibi, P. 2018. Sublethal effect of fenoxycarb on energy resources in the termite *Microcerotermes diversus* (Isoptera: Termitidae). *Journal of Entomological Society of Iran*. 38 (1):75-84.
11. Latifian, M., Rad, B. & Habibpour, B. 2018. Termites of Iranian date palm orchards and

- their spatial and temporal distribution. *Sociobiology*. 65(1): 24-30.
12. Ekhtelat, M., Habibpour, B., Ziaee, M. & Poursartip, L. 2018. Laboratory Assay of Nutrient Additives as the Feeding Stimulants for *Microcerotermes diversus* Silvestri (Isoptera: Termitidae). *Journal of Plant Protection (Iran)*. 32(1): 129-137.
  13. Shahini, A., Habibpour, B., & Kohjani Gorji, M. 2015. Effects of ecdysteroid compounds extracted from *Silene aucheriana* and halofenozide to control *Reticulitermes* sp. (Isoptera: Rhinotermitidae) under laboratory conditions. *Iranian Journal of Plant Protection Science*. 46(1): 69-78.
  14. Habibpour, B. & Abolfarsi, R. 2015. Effects of Aqueous and Powder Formulations of N N-naphthaloylhydroxyamine on Feeding and Mortality of Laboratory Groups of *Microcerotermes diversus* Silvestri (Isoptera: Termitidae). *Journal of Plant Protection (Iran)*. 29(3): 357-364.
  15. Afshar, M., Habibpour, B., Shishehbor, P. 2015. Resistance evaluation of cellulosic & non- cellulosic building materials subterranean termite *Microcerotermes diversus* Silvestri (Iso.:Termitidae) under laboratory & field condition. *Plant Protection (Iran)*. 37(4): 79-90.
  16. Abolfarsi, R., Habibpour, B. & Ashrafi, A. 2015. Efficacy of ethyl cellulose-based nanocapsules containing imidacloprid for the control of *Microcerotermes diversus* (Isoptera: Termitidae) under laboratory conditions. *Iranian Journal of Plant Protection*. 46(2):285-294.
  17. Shaabani, M., Habibpour, B. & Mossadegh, M. S. 2015 .Compatibility of the entomopathogenic fungus *Metarhizium anisopliae sensu lato* with imidacloprid for control of *Microcerotermes diversus* Silvestri (Iso.:Termitidae) in laboratory conditions. *Plant Pests Research (Iran)*. 5(1):27-36.
  18. Jahangiri Sisakht, N., Habibpour, B. & Ramezani, L. 2014. The first report of the species *Thrips italicus* (Thys.: Thripidae) from Iran. *Journal of Entomological society of Iran*. 34(2):21-22.
  19. Shafiei Alavijeh, E., Habibpour, B., Moharrampour, S. & Rasekh, A. 2014. Bioactivity of *Eucalyptus camaldulensis* essential oil against *Microcerotermes diversus* (Isoptera: Termitidae). *Journal of Crop Protection (Iran)*. 3(1): 1-11.
  20. Jalali, M., Habibpour, B. & Gharibi, D. 2014. Isolation and identification of gut symbiotic bacteria of the termite *Anacanthotermes vagans* (Isoptera: Hodotermitidae). *Journal of Entomological Society of Iran*. 33(3):35-44.
  21. Habibpour, B. & Jalali, M. 2014. Effect of Rifampin on gut symbiotic bacteria isolated from *Anacanthotermes vagans* Hagen (Isoptera: Hodotermitidae). *The International Research Group on Wood Protection*. 8PP.
  22. Khodadadian, R., Habibpour, B. & Mossadegh, M.S. 2014. The Effects of Bora-care Alone and in Combination with Furfural against *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) in Laboratory Conditions. *Journal of Plant Protection (Iran)*. 28(1): 1-10.
  23. Shaabani, M., Habibpour, B. & Mossadegh, M.S. 2014. Compatibility of the entomopathogenic fungus *Metarhizium anisopliae sensu lato* with imidacloprid for control of *Microcerotermes diversus* Silvestri (Iso.:Termitidae) in laboratory conditions. *Plant Pests Research (Iran)*. 5(1): 27-36.
  24. M. Ekhtelat, M., Habibpour, B. & Khocheili, F. 2013. Intraspecific Aggressive Behavior of the Subterranean Termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae). *Journal of Plant Protection (Iran)*. 27(3): 308-315.
  25. Shafiei Alavije, E., Habibpour, B., Moharrampour, S., & Rasekh, A. 2013. Fumigation and contact toxicity of eucalyptus essential oil (*Eucalyptus camaldulensis* var. *camaldulensis*)

- on *Microcerotermes diversus* (Isoptera: Termitidae). *Applied Entomology & Phytopathology (Iran)*. 81(1):11-19.
26. Cheraghi, A., Habibpour, B. & Mossadegh, M. S. 2013. Application of Bait Treated with the Entomopathogenic Fungus *Metarhizium anisopliae* (Metsch.) Sorokin for the Control of *Microcerotermes diversus* Silv. *Psyche: A Journal of Entomology*. Hindawi Publishing Corporation.
27. Cheraghi, A., Habibpour, B., Mossadegh, M. S. & Sharififard, M. 2012. Horizontal Transmission of the Entomopathogen Fungus *Metarhizium anisopliae* in *Microcerotermes diversus* Groups. *Insects*. 3: 709-718.
28. Fathollahi, Z., Habibpour, B. & Moharami Poor, S. 2012. Investigation into the Effects and Transfer in Different Concentrations of Boric Acid from Exposed to Non-Exposed Workers of *Microcerotermes diversus* (Isoptera: Termitidae). *Iranian Journal of Plant Protection Science*. 43(1): 63-71.
29. Salehi Babarsad, R., Habibpour, B. & Mosadegh, M. S. 2012. Toxicity of Imidacloprid Bait to *Microcerotermes diversus* (Silvestri) (Isoptera:Termitidae) under Laboratory Conditions. *Journal of Plant Protection (Iran)*. 26(1):1-7.
30. Akbarian Firouzabadi, E., Habibpour, B., Galehdari, H. & Shishehbor, p. 2012. Genetic diversity and morphometric study of thirteen populations of *Microcerotermes diversus* (Silvestri) (Isoptera: Termitidae) in southern Iran. *The International Research Group on Wood Protection*. 2-15.
31. Fathollahi, Z. & Habibpour, B. 2012. Transfer of Thiamethoxam from Exposed to Non-Exposed Workers of *Microcerotermes diversus* Silvestri (Isoptera: Termitidae). *The International Research Group on Wood Protection*. 1-12.
32. Habibpour, B., Cheraghi, A. & Mosadegh, M. S. 2011. Evaluation of cellulose substrates treated with *Metarhizium anisopliae* (Metschnikoff) Sorokin as a biological control agent against the termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae). *Journal of Entomological and Acarological Research*. 43 (2): 269-275.
33. Fathollahi, Z., Habibpour, B., Moharami Poor, S. & Kocheyli, F. 2011. Effects of Thiamethoxam on feeding and tunneling activities of the termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) under laboratory conditions. *Journal of Plant Protection (Iran)*. 25(1): 73-82.

#### RESEARCH STUDENTS SUPERVISED:

A) M.Sc. Students Supervised (Agricultural Entomology):

Faculty of Agriculture, Shahid Chamran University of Ahvaz, Iran

Student: Narges Karam Kiani

Title: The resistance comparison of different citrus species to citrus leaf-miner, *Phyllocnistis citrella* Stainton, in natural and laboratory condition (2018)

Student: Zahra Jalilian

Title: The effects of three pesticides on energy resources in the termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) (2018)

Student: Mina Darmiani

Title: Preliminary study on toxicity effects of three pesticides on oxidative stress induction, biomarker changes and antioxidant enzymes activity in the termite *Microcerotermes diversus*

Silvestri (Isoptera: Termitidae) (2018)

Student: Arezu Shahini Shamsabadi

Title: Effects of Ecdysteroid and Juvenile Hormone Analogue compounds to control of the termite *Reticulitermes* sp. (Isoptera: Rhinotermitidae) (2015)

Student: Reza Abolfarsi

Title: Production of the Ethylcellulose-Based Nanocapsules Containing Imidacloprid and evaluation of its effect on *Microcerotermes diversus* (Silvestri) (Isoptera: Termitidae) termite under laboratory conditions (2014)

Student: Nafiseh Jahangiri Sisakht

Title: A faunistic and biodiversity survey of Thysanoptera in Yasouj and Sisakht orchards (2014)

Student: Marzie Jalali

Title: Isolation and identification of gut symbiotic bacteria in the termite *Anacanthotermes vagans* Hagen (Isoptera: Hodotermitidae) and effects of two biopesticide compounds on the termite (2014)

Student: Marzie Shabaneh

Title: Synergistic effects of imidacloprid sub-lethal concentrations and the entomopathogenic fungus *Metarhizium anisopliae* (Metschnikoff) Sorokin against *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) (2014)

Student: Masoome Afshar

Title: Evaluation of building cellulosic and non- cellulosic materials resistance to subterranean termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) (2014)

Student: Mahsa Dastbarjan

Title: Preparation and evaluation of different formulations of *Metarhizium anisopliae* (Metschnikoff) Sorokin for controlling *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) in laboratory conditions (2014)

B) Ph. D. Students Supervised (Agricultural Entomology):

Student: Elham Roozdar

Faculty of Agriculture, Shahid Chamran University of Ahvaz, Iran

Title: Investigation on different plant natural compounds formulations to control the cotton mealybug *Phenacoccus solenopsis* (Tinsley) (Hemiptera: Pseudococcidae), on *Hibiscus rosa-sinensis* (L.) under laboratory and field conditions (2020)

Student: Marjan Ekhtelat

Faculty of Agriculture, Shahid Chamran University of Ahvaz, Iran

Title: Optimization of bait-toxicants production to control populations of the termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) and evaluation of their efficacy under laboratory and field conditions (2018)

Student: Shahram Falamarzi

Faculty of Agriculture, Shahid Chamran University of Ahvaz, Iran

Title: Faunistic survey of Megachilidae (Hymenoptera) and wing geometric morphometry study in

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*Megachile* spp. with particular reference on principal component analysis (PCA) in south of Fars province (2016)

Student: Zeinab Fathollahi

(Faculty of Agricultural Sciences and Food Industry (Department of Entomology), Islamic Azad University, Science and Research Branch, Tehran, Iran)

Title: Isolation and identification of gut symbiotic bacteria of the termite *Microcerotermes diversus* Silvestri (Isoptera: Termitidae) in different populations in some southern parts of Iran (2020)

## **PATENT:**

Ethyl cellulose-based nanocapsules containing the insecticide imidacloprid for control of termites

## **RESEARCH PROJECTS:**

I was the responsible executor for the joint project of the Shahid Chamran University of Ahvaz (Iran) with National Iranian South Oil Company with the title of “Laboratory and field evaluation of bait-toxicants as an environmentally sound strategy and application of wood preservatives in integrated termite management” from 2017 until 2020

## **PROFESSIONAL MEMBERSHIPS:**

- Member of Agricultural and Natural Resources Engineering Organization of Iran
- Member of the Entomological Society of Iran
- Member (Shahid Chamran University’s representative) of Plant Protection Committee in “Forests, Range and Watershed Management Organization” (Khuzestan Province, Iran)
- Member and Head of the National Scientific Standards Committee for Pesticides for the Iranian National Standard Organization. Moreover, I am also a formal expert for the Iranian National Standard Organization with the main responsibilities of Development of National Standards in the field of Fertilizers and Pesticides.

## **LANGUAGES:**

**PERSIAN:** Native

**ENGLISH:** Intermediate