

Selected Peer-reviewed Publications:

1. **Nikbakhtzadeh MR**. 2023. A synthetic lure for *Anopheles gambiae* (Diptera: Culicidae) based on the attractive plant *Parthenium hysterophorus*, *Journal of Medical Entomology*. tjad077, <https://doi.org/10.1093/jme/tjad077>
2. **Nikbakhtzadeh MR**, Fuentes Y. 2022. Deterrent effects of glyphosate on oviposition and larval development of *Culex quinquefasciatus*. *Journal of American Mosquito Control Association*. 38(3): http://meridian.allenpress.com/jamca/article-pdf/doi/10.2987/22-7059/3093535/10.2987_22-7059.pdf
3. Soltan-Alinejad P, Parsaei S, Dianat A, **Nikbakhtzadeh MR**, Azizi K. 2021. Morphometric study and sexual dimorphism analyses in an Iranian population of *Scorpio maurus* (Arachnida: Scorpionidae). *Ecology and Evolution*. 11:15630-5638. DOI: 10.1002/ece3.8211
4. **Nikbakhtzadeh MR**, Terbot JW, Foster WA. 2016. Survival Value and Sugar Access of Four East African Plant Species Attractive to a Laboratory Strain of Sympatric *Anopheles gambiae* (Diptera: Culicidae). *Journal of Medical Entomology*. 53(5): 1105-111. doi: 10.1093/jme/tjw067.
5. **Nikbakhtzadeh MR**, Buss GK and Leal WS. 2016. Toxic effect of blood feeding in male mosquitoes. *Frontiers in Physiology*. 7:4. doi: 10.3389/fphys.2016.00004.
6. Otienoburu PE, **Nikbakhtzadeh MR**, Foster WA. 2015. [Orientation of *Anopheles gambiae* \(Diptera: Culicidae\) to plant-host volatiles in a novel diffusion-cage olfactometer](#). *Journal of Medical Entomology*. doi: 10.1093/jme/tjv162.
7. Terbot JW, **Nikbakhtzadeh MR**, Foster WA. 2015. Evaluation of *Bacillus thuringiensis israelensis* as a control agent for adults of *Anopheles gambiae*. *Journal of American Mosquito Control Association*. 31(3):258-261. doi: <http://dx.doi.org/10.2987/moco-31-03-258-261.1>.
8. **Nikbakhtzadeh MR**, Terbot JW, Otienoburu PE & Foster WA. 2014. Olfactory basis of floral preference of the malaria vector *Anopheles gambiae* (Diptera: Culicidae) among common African plants. *Journal of Vector Ecology*. 39(2): 372-383. doi: <http://dx.doi.org/10.3376/i1081-1710-39-372>.
9. Zianni MR, **Nikbakhtzadeh MR**, Jackson BT, Panescu J, Foster WA. 2013. Rapid identification of *Anopheles gambiae* s.s. and *Anopheles arabiensis* by High Resolution Melt (HRM) analysis. *Journal of Biomolecular Techniques*. 13. doi: [10.7171/jbt.13-2401-001](http://dx.doi.org/10.1093/jbt.13-2401-001).
10. Abtahi-Hosseini SM, **Nikbakhtzadeh MR**, Vatandoost H, Mehdiinia A, Rahimi-Foroshani A, Shayeghi M. 2012. Quantitative characterization of cantharidin in the false blister beetle, *Oedemera podagrariae ventralis*, of the southern slopes of Mount Elborz, Iran. *Journal of Insect Science*. 12(152): <http://www.insectscience.org/12.152>.
11. **Nikbakhtzadeh MR**, Saeidi A, Shaeghi M. 2012. Potential cuticular hydrocarbon biomarkers to estimate the age of the malaria vector, *Anopheles stephensi*. *Turkish Journal of Entomology*. 36(3): 311-320.
12. **Nikbakhtzadeh MR**, Naderi M, Safa P. 2012. Faunal diversity of *Paederus* beetles (Coleoptera: Staphylinidae) in Iran. *Insecta Mundi*. 0267: 1-9.

13. **Nikbakhtzadeh MR**, Vahedi M, Vatandoost H & Mehdiinia A. 2012. Origin, transfer and distribution of cantharidin-related compounds in the blister beetle *Hycleus scabiosae*. *Journal of Venomous Animals & Toxins*. 18(1): 88-96.
14. **Nikbakhtzadeh MR**, Movaheddi N. 2010. Hydrocarbon Diversity of the Dufour Glands in the Iranian Populations of *Pachycondyla sennaarensis* (Hymenoptera: Formicidae). *Mitteilungen der DGaaE*. 17: 307-310.
15. Islami I, **Nikbakhtzadeh MR**. 2009. New Cases of Canthariphily among Coleopterans. *Turkish Journal of Entomology*. 33(4): 243-251.
16. Rasoolian M, **Nikbakhtzadeh MR**. 2009. Identification of Iranian Vectors of Malaria by Analysis of Cuticular Hydrocarbons. *Animal Cells and Systems*. 13(3): 331-337.
17. **Nikbakhtzadeh MR**, Akbarzadeh K & Tirgari S. 2009. Bioecology and Chemical Diversity of Abdominal Glands in the Iranian Fire Ants, *Pachycondyla sennaarensis* (Formicidae: Ponerinae). *Journal of Venomous Animals & Toxins*. 15(3): 509-526.
18. **Nikbakhtzadeh MR**, Tirgari S, Fakoorziba MR & Alipour H. 2009. Volatile Compounds from the Venom Gland of the Samsun Ant, *Pachycondyla sennaarensis* (Hymenoptera: Formicidae). *Toxicon*. 54: 80-82.
19. **Nikbakhtzadeh MR**, Movaheddi N, Akbarzadeh K & Shaeghi M. 2009. Dufour Gland Components of the Fire Ant, *Pachycondyla sennaarensis* (Hym.: Formicidae). *Biochemical & Cellular Archives*. 9(1): 37-41.
20. Rajaie Fard A, **Nikbakhtzadeh MR** & Alipour H. 2009. Epidemiological Study of Malaria and its Vector Ecology in the Heartland of an Iranian Petrochemical Industry. *Journal of Experimental Zoology*. 12(1): 191-195.
21. **Nikbakhtzadeh MR**, Tirgari S. 2008. Medically Important Beetles of Iran. *Journal of Venomous Animals & Toxins*. 14(4): 597-618.
22. Rasoolian M, Sadrai J & **Nikbakhtzadeh MR**. 2008. Identification of the *Anopheles* Mosquitoes (Diptera: Culicidae) of Southern Iran using Cuticular Hydrocarbons. *Animal Cells and Systems*. 12(3): 165-170.
23. **Nikbakhtzadeh MR**, Dettner K, Boland W & Hemp C. 2008. The Probable Role of Antennal Cuticular Pores in the Sexual Behaviour of *Cyaneolytta* sp. (Coleoptera: Meloidae). *Mitteilungen der DGaaE*. 16: 179-183.
24. **Nikbakhtzadeh MR**, Hemp C & Ebrahimi B. 2007. Further Evidence on the Role of Cantharidin in the Mating Behaviour of Blister Beetles. *Integrative Biosciences*. 11(2): 141-146.
25. **Nikbakhtzadeh MR**, Ebrahimi B. 2007. Detection of Cantharidin Related Compounds in *Mylabris impressa* (Coleoptera: Meloidae). *Journal of Venomous Animals & Toxins*. 13(3): 686-693.
26. **Nikbakhtzadeh MR**, Dettner K, Boland W, Gäde G & Dötterl S. 2007. Intraspecific Transfer of Cantharidin within Selected Members of Family Meloidae (Insecta: Coleoptera). *Journal of Insect Physiology*. 53(9): 890-899.

27. **Nikbakhtzadeh MR**, Sadeghiani C. 1999. Dermatite due à deux espèces de *Paederus* au sud de l'Iran. *Bulletin de la Societe de Pathologie Exotique*. 92(1): 56.

Presentations in Professional Meetings:

1. **Nikbakhtzadeh MR**. 2023. The Effect of Glyphosate (RoundUp®) on the Development of *Culex quinquefasciatus*. The 12th Annual Meeting of Vector-borne Diseases. County of San Diego. San Diego, CA, USA.
2. **Nikbakhtzadeh MR**, Espinoza M, Kethireddy S & Talyn B. 2023. The Effect of sublethal doses of Glyphosate on the Development and Fitness of *Culex quinquefasciatus*. The 89th Annual Meeting of the American Mosquito Control Association. Reno, NV, USA.
3. **Nikbakhtzadeh MR**, Fuentes Y & Talyn B. 2022. The Effect of Glyphosate on the oviposition of *Culex quinquefasciatus*. SOVE International Congress. Honolulu, HI, USA.
4. **Nikbakhtzadeh MR**, Fuentes Y. 2022. The residual effect of Glyphosate (Roundup®) on the development of *Culex quinquefasciatus*. The 88th Annual Meeting of the American Mosquito Control Association. Jacksonville, FL, USA.
5. **Nikbakhtzadeh MR**, Foster WA. 2021. A synthetic lure for *Anopheles gambiae* (Diptera: Culicidae). The 87th Annual Meeting of the American Mosquito Control Association. Virtual.
6. **Nikbakhtzadeh MR**. 2019. A quick review of the current vector-borne diseases. Annual Meeting of Zoonoses and Vector-borne Diseases. County of San Diego, San Diego, CA, USA.
7. **Nikbakhtzadeh MR**. 2017. What is the risk of a local Zika transmission in California? The 2nd Zika & Invasive *Aedes* Seminar. San Diego, CA, USA.
8. **Nikbakhtzadeh MR**, Terbot JW, Otienoburu PE & Foster WA. 2015. Floral preference of the malaria vector *Anopheles gambiae* (Diptera: Culicidae). The 81st Annual Meeting of the American Mosquito Control Association. New Orleans, Louisiana, USA.
9. Graham AC, **Nikbakhtzadeh MR**. 2014. An overview of mosquito-based EEE surveillance in Vermont. The 5th Northeastern Eastern Equine Encephalitis Conference. Concord, New Hampshire, USA.
10. **Nikbakhtzadeh MR**. 2014. *Culiseta melanura*, the main vector of EEE in Vermont: Current status and control opportunities. Clarke Mosquito Control Meeting. Middlebury, VT, USA.
11. Foster W, Zianni M, **Nikbakhtzadeh MR**, Jackson B & Panescu J. 2013. Rapid discrimination between *Anopheles gambiae* s.s. and *Anopheles arabiensis* by High Resolution Melt (HRM) Analysis. The 6th International Congress of Society for Vector Ecology. La quinta (Palm Springs), California, USA.
12. **Nikbakhtzadeh MR**, Graham A. 2013. Mosquito, mosquito-borne viruses and control measurements in Vermont. The 59th Annual Meeting of the Northeastern Mosquito Control Association. Hull, Massachusetts, USA.
13. Zianni M, **Nikbakhtzadeh MR**, Jackson B, Panescu J & Foster W. 2013. Rapid discrimination between *Anopheles gambiae* s.s. and *Anopheles arabiensis* by High- Resolution Melt (HRM)

Analysis. The 79th Annual Meeting of the American Mosquito Control Association. Atlantic City, New Jersey, USA.

14. Rajaeifard AR, **Nikbakhtzadeh MR** & Alipour H. 2012. Ecology of Malaria Vectors in southern part of Iran. XXIV International Congress of Entomology. Daegu, Korea.
15. **Nikbakhtzadeh MR**, Terbot JW & Foster WA. 2011. Attraction and discriminative behaviour of *Anopheles gambiae* (Diptera: Culicidae) to the odour of some Afrotropical plants. The 59th Annual Meeting of the Entomological Society of America. Reno, Nevada, USA.
16. **Nikbakhtzadeh MR**, Vahedi M, Vatandoost, H & Mehdinia A. 2011. Distribution and intraspecific transfer of cantharidin and cantharidin-related compounds in *Hycleus scabiosae* (Coleoptera: Meloidae). The 59th Annual Meeting of the Entomological Society of America. Reno, Nevada, USA.
17. **Nikbakhtzadeh MR**, Naderi M. 2009. *Paederus* (Col.: Staphylinidae) Diversity in Central Iran and Intraspecific Variations of Allopatric Populations of *Paederus mesopotamicus*. The 57th Annual Meeting of the Entomological Society of America. Indianapolis, Indiana, USA.
18. **Nikbakhtzadeh MR**, Saeidi S. 2009. Cuticular Hydrocarbons in Kurdistan Populations of *Anopheles maculipennis* complex (Diptera: Culicidae). The 57th Annual Meeting of the Entomological Society of America. Indianapolis, Indiana, USA.
19. **Nikbakhtzadeh MR**. 2009. Effects of the Recent Droughts on the Lake Ecosystems of Southern Iran. Proceedings of the 39th GfÖ Conference of Ecology. Bayreuth, Germany. pp. 92.
20. **Nikbakhtzadeh MR**, Movahhedi N. 2009. Hydrocarbon Component of the Dufour Gland in the Iranian Populations of *Pachycondyla sennaarensis* (Formicidae: Ponerinae). Proceedings of the 6th DgaaE Congress of Entomology. Göttingen, Germany. pp. 282.
21. **Nikbakhtzadeh MR**, Movahhedi N & Tirgari S. 2008. Abdominal Gland Secretions of the Samsun Ant, *Pachycondyla sennaarensis* (Hymenoptera: Formicidae). The 56th Annual Meeting of the Entomological Society of America. Reno, Nevada, USA.
22. Fakoorziba MR, Eghbal F, **Nikbakhtzadeh MR**. 2007. Linear dermatitis reactions to *Paederus* beetles (Coleoptera: Staphylinidae) in Kazeron, Iran. Proceedings of the XX World Allergy Congress. Bangkok, Thailand. pp. 54-55.
23. **Nikbakhtzadeh MR**, Dettner K, Boland W, Gäde G & Dötterl S. 2007. Intraspecific Transfer of Cantharidin within Meloid Beetles (Coleoptera: Meloidae). Proceedings of the XXVII Nordic-Baltic Congress of Entomology. Uppsala, Sweden. pp. 14.
24. **Nikbakhtzadeh MR**, Dettner K, Boland W & Hemp C. 2007. *Cyaneolytta* sp.: A Chemical Approach to the Antennal Morphology of an East African species. Proceedings of the 5th DGaaE Congress of Entomology. Innsbruck, Austria. pp. 167-8.
25. Tirgari S, **Nikbakhtzadeh MR**. 2002. *Paederus* Beetles (Coleoptera: Staphylinidae): An Urban Problem in Iran. Proceedings of the 4th International Conference on Urban Pests. Charleston, South Carolina, USA. pp. 401-407.

26. Fakoorziba MR, **Nikbakhtzadeh MR** & Momenbellah Fard MJ. 2000. Dermatitis Linearis in Iran. International Congress of Tropical Medicine and Parasitology, New Challenges. Oxford University. Oxford, UK. pp. 159.