



Curriculum Vita

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Instructor: Marzieh Asadi Aghbolaghi

Academic Department: Biological and Environmental Science

University Address:

McFarland Science Building

East Texas A&M University

PO Box 3011

Commerce, TX 75429-3011

Office Phone: 903.886.5378

University Email Address: asadi.marzieh@etamu.edu

EDUCATION

Postdoctoral Researcher (2021- 2025): Fish Conservation and Culture Laboratory (FCCL), Biological and Agricultural Engineering Department of the University of California, Davis.

Ph.D. (2015 - 2020): "Environment & Biodiversity". Department of Biodiversity and Ecosystem Management, Environmental Sciences Research Institute, Shahid Beheshti University, Evin, Tehran, Iran. - Visiting student at the University of Western Ontario, Canada (2018- 2019).

MS.c. (2009 -2012): "Natural Resources Engineering – Environment". Faculty of Natural Resources, Tehran University, Tehran, Iran.

BS.c. (2003 -2007): "Natural Resources Engineering – Environment". Faculty of Marine Natural Resources, Khoramshahr Marine Science and Technology University, Khoramshahr, Iran

TEACHING EXPERIENCE

Teaching Assistant/Coach/ Instructor: Payame Noor University (PNU), Iran (2013-2015)

Teaching Assistant/Coach/ Instructor: Shahid Beheshti University, Tehran, Iran (2015-2020)

Teaching Assistant: University of California, Davis (2021-2025)

PUBLICATIONS

Asadi Aghbolaghi, M., Rahman, M. M., Lewis, L.S., Hung, T. C. (2025). Morphometric variation and sexual dimorphism of endangered Longfin Smelt (*Spirinchus thaleichthys*) in the San Francisco Estuary. *Endangered Species Research*, 59: 1-12. DOI: [10.3354/esr01471](https://doi.org/10.3354/esr01471)

Asadi Aghbolaghi, M., Maloy, A. P., Coombs J. A., Hung, T. C., Carson E.W. (2023). Phylogenetic relationships and introduction history inferred from complete mitochondrial genomes of four smelts (Osmeridae) of the modern San Francisco Estuary. *Zoologischer Anzeiger*, 308, (2024), 66-70. <https://doi.org/10.1016/j.jcz.2023.11.008>.

Asadi Aghbolaghi, M., Keyghobadi, N., Azarakhsh, Z., Dadizadeh, M., Asadi Aghbolaghi, S., & Zamani, N. (2023). An evaluation of isolation by distance and isolation by resistance on genetic structure of the Persian squirrel (*Sciurus anomalus*) in the Zagros forests of Iran. *Ecology and Evolution*, 13, e10225. <https://doi.org/10.1002/ece3.10225>.

Rahman, M. M., **Asadi Aghbolaghi, M.**, & Hung, T. C. (2023). Evaluate effects of the dilution medium and holding time on various motility parameters of delta smelt semen. *Theriogenology*, 197, 301-309. <https://doi.org/10.1016/j.theriogenology.2022.11.029>.

Ghane-Ameleh, S., Khosravi, M., Saberi-Pirooz, R., Ebrahimi, E., **Asadi Aghbolaghi, M.**, & Ahmadzadeh, F. (2021). Mid-Pleistocene Transition as a trigger for diversification in the Irano-Anatolian region: Evidence revealed by phylogeography and distribution pattern of the eastern three-lined lizard. *Global Ecology and Conservation*, 31, e01839. <https://doi.org/10.1016/j.gecco.2021.e01839>.

Asadi Aghbolaghi, M., Ahmadzadeh, F., Kiabi, B., Keyghobadi N. 2020. Evolutionary history of the Persian squirrel (*Sciurus anomalus*): It emerged on the Eurasian continent in the Miocene. *Zoologischer Anzeiger*. 287, 17-24. <https://doi.org/10.1016/j.jcz.2020.04.007>.

Asadi Aghbolaghi, M., Ahmadzadeh, F., Kiabi, B., Keyghobadi N. 2019. The permanent inhabitant of the oak trees: phylogeography and genetic structure of the Persian squirrel (*Sciurus anomalus*). *Biological Journal of the Linnean Society*. 127, 197–212. <https://doi.org/10.1093/biolinnean/blz032>

Saberi-Pirooz, R., Shahriari, A., Ahmadzadeh, F., Javidkar, M., Oladi, M., **Asadi Aghbolaghi, M.** 2019. Dispersal beyond geographic barriers: a contribution to the phylogeny and demographic history of *Pristurus rupestris* Blanford, 1874 (Squamata: Sphaerodactylidae) from southern Iran. *Zoology*. 134, 8–15. <https://doi.org/10.1016/j.zool.2019.04.001>.

Golikhajeh, N., Naseri, B., Razmjou, Hosseini, J., **Asadi Aghbolaghi, M.** 2018. Genetic variation of beetarmy worm (Lepidoptera: Noctuidae) populations detected using microsatellite markers in Iran. *Molecular Entomology*. 111: 1404–1410. <https://doi.org/10.1093/jec/toy050>.

Zamani, N., Karami, M., Zamani, W., Alizadeh, A., Gharehaghaji, M., **Asadi Aghbolaghi, M.** 2017. Predation of montane desert ungulates by Asiatic cheetah *Acinonyx jubatus venaticus* in Central Iran. *Folia Zoology*. 66: 50–57. <https://doi.org/10.25225/fozo.v66.i1.a7.2017>.

Khosravi, R., **Asadi Aghbolaghi, M.**, Rezaei HR., Nourani, E., Kaboli, Mohammad. 2015. Is black coat color in wolves of Iran an evidence of admixed ancestry with dogs? *Journal of Applied Genetics*. 56: 97–105. <https://doi.org/10.1007/s13353-014-0237-6>.

Behdarvand, N., Kaboli, M., Ahmadi, M., Nourani, E., Salman Mahini, A., **Asadi Aghbolaghi, M.** 2014. Spatial risk model and mitigation implications for wolf–human conflict in a highly modified agroecosystem in western Iran. *Biological Conservation*. 177:156–164. <http://dx.doi.org/10.1016/j.biocon.2014.06.024>.

Asadi Aghbolaghi, M., Rezaei HR., Scandura, M., Kaboli, Mohammad. 2014. Low gene flow between Iranian wolves (*Canis lupus*) and dogs documented using uniparental genetic markers. *Zoology in the Middle East*. 60: 95–106 <http://dx.doi.org/10.1080/09397140.2014.914708>.

In Prep

Asadi Aghbolaghi, M., Carson E.W., Finger A. J., Tsai, Y.-J.J., Hung, T. C., (2026). Hybridization between endemic Delta Smelt (*Hypomesus transpacificus*) and non-native Wakasagi (*H. nipponensis*) in the San Francisco Estuary.