

## Hiva Nasserzadeh (PhD)

### Iranian Research Institute of Plant Protection (IRIPP)

Assistant Professor

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## Academic qualifications

PhD: Zoology (Entomology), Department of Limnology and Bio-Oceanology, Vienna University, Vienna, Austria (2017).

MSc: Animal Science-Biosystematics, Faculty of Sciences, Shiraz University, Shiraz, Iran (2002).

BSc: Biology, Islamic Azad University, Tehran, Iran (1998).

## Research interests

Systematics, Phylogenetics and Biodiversity of Coleoptera (water beetles, Elateridae).

Studying the beetles as pests, predators and bioindicators.

## Research projects

- 1) A faunistic study on click beetles (Coleoptera, Elateridae), of the central region of Zagross Mountain. (2006-2009)
- 2) Phylogeny of the genus *Sternolophus* (Coleoptera, Hydrophilidae) inferred from COI and 16s mitochondrial DNA sequences. (2008-2010)
- 3) A faunistic study on click beetles (Coleoptera, Elateridae) of central and southern part of Elborz mountain. (2008-2011)
- 4) Taxonomic study of the genus *Phyllotreta* (Coleoptera: Chrysomelidae: Alticinae) in Iran, with an emphasis on HMIM's specimens. (2013-2015, project assistant)
- 5) A faunistic study on wire worms (Coleoptera, Elateridae) of 3rd agricultural region of Iran. (2015-2018)
- 6) A survey on insect fauna of the invasive weed known as Water Hyacinth in Guilan province for determining and introducing effective beneficial insects as its biological control agents. (2016-2018, project assistant)
- 7) Taxonomic study of the genera *Altica*, *Aphthona*, *Chaetocnema* (Coleoptera: Chrysomelidae: Galerucinae, Alticini) (in Iran, with an emphasis on HMIM's specimens. (2016-2018)

- 8) Study of population dynamics of different biological characteristics on stem borer weevils, *Ceutorhynchus* spp. in canola fields of some regions of country (Iran). (2016-2019, project assistant)
- 9) A faunistic study on wire worms (Coleoptera: Elateridae) of 5<sup>th</sup> agricultural region of Iran. (2016-2019)
- 10) Identification of the flea beetles (Coleoptera: Chrysomelidae) of canola fields in North of Iran (Khorasan-Shomali, Golestan, Mazandaran, Gilan and Ardebil provinces) and the study of their species diversity. (2018-2021, project assistant)
- 11) A faunal study of the Click beetles (Coleoptera, Elateridae) of 8th agricultural region of Iran. (since 2021)
- 12) A faunistic study on the herbivore beetles (Coleoptera, Insecta) of the date palm groves in Bushehr, Khuzestan and Hormozgan provinces: with emphasis on the pests and quarantine species. (since 2021)

## Publications

- 1) **Nasserzadeh, H.**, Hosseinie, S. & Monsefi M. (2005): Morphology of the reproductive system of the Iranian species of *Hydrochara* Berthold (Coleoptera, Hydrophilidae). *Koleopterologische Rundschau*, 75: 227–245.
- 2) **Nasserzadeh, H.** & Hosseinie, S. (2005): First record of *Hydrobious fuscipes* (Linnaeus) and *Limnoxenus niger* (Zschach) in Iran (Coleoptera: Hydrophilidae). *Koleopterologische Rundschau*, 75: 247–252.
- 3) Serri, S. & **Nasserzadeh, H.** (2007): The first record of four species of flea beetles (Coleoptera, Chrysomelidae, Alticinae) for the fauna of Iran. *Journal of Entomological Society of Iran*, 27 (2): 37–40. [In Farsi]
- 4) **Nasserzadeh, H.**, Platia, G. & Barimani, H. (2008): Description of new species of *Pleurathous* Reitter with records of the male of *Calais brandti* Platia & Gundenzi from Iran (Coleoptera: Elateridae). *Koleopterologische Rundschau*, 78: 291–296.
- 5) **Nasserzadeh, H.** (2010): HYDROPHILIDAE: The genus *Sternolophus* SOLIER. (Coleoptera), 251–255 in Water Beetles of New Caledonia (part 1), Monographs on Coleoptera, Vol. 3 (Editors: M. A. Jäch & M. Balke). *ZOOLOGISCH-BOTANISCHEGESELLSCHAFT and WIENER COLEOPTEROLOGENVEREIN, Vienna*, 449 pp.
- 6) Schöller, M. & **Nasserzadeh, H.** (2010): The distribution of leaf beetles of the tribe Cryptocephalini in Iran (Chrysomelidae: Cryptocephalinae). *Mitt. internat. entomol. Ver.*, Band 35, Heft ½: 55–87.
- 7) Falamarzi, S., Pütz, A., Heidari, M. & **Nasserzadeh, H.** (2010): Confirmed occurrence of *Hydroscapha granulum* in Iran, with notes on its biology (Coleoptera: Myxophaga: Hydroscaphidae). *Acta Entomologica Musei Nationalis Prage*, 50: 97–106.

- 8) Shaverdo, H.V., Esfandiari, M., Khadempur, A., **Nasserzadeh, H.** & Ghodrati, A. (2013): Diving beetles of Ahvaz City, Khuzestan Province, Iran (Coleoptera: Dytiscidae). *Koleopterologische Rundschau*, 83: 17–22.
- 9) Ardakani, A.S. & **Nasserzadeh, H.** (2013): First record with some biological note on coffee bean weevil (*Araecerus fasciculatus* De Geer) (Coleoptera; Curculionidae) on pesticide plant in Iran. *Journal of Medicinal and Aromatic Plant Sciences*, 35.
- 10) Soufi, M., **Nasserzadeh, H.**, Kami, H., Zehzad, B., Hasan Zadeh Kiabi, B. & Turk Qashqaei, A. (2013): First record of the Truly Aquatic Spider, *Argyroneta aquatica* (Clerck, 1757) in Iran (Araneae: Cybaeidae). *Zoology in the Middle East*, 59 (2): 186–188
- 11) Merkl, O. & **Nasserzadeh, H.** (2014): Notes on ultrapsammophilous Erodiini from Iran (Coleoptera: Tenebrionidae: Pimeliinae). *Annales Zoologici* (Warszawa), 64 (4): 605–612.
- 12) Esfandiari H., **Nasserzadeh, H.**, Serri S., Asvadi S., Sabzian, A. (2015). Report of *Gastrophysa polygoni* (Linnaeus, 1758) as a potential biological control agent of *Polygonum aviculare* L. in Esfahan. 6<sup>th</sup> Iranian weed science congress, 1–3 September 2015, Birjand. [In Farsi]
- 13) Gholami Ghavam Abad, R., Sadeghi, S.E., Ghajarieh, H., **Naserzadeh, H.**, Yarmand, H., Moniri, V.R., Nikdel, M., Dordaei, A.A., Mohammadpour, A., Haghshenas, A., A.R., Hashemi Khabir, Z., Salahi Ardekani A. & Caldara R. (2015) Tychiini and Mecinini (Coleoptera: Curculionidae, Curculioninae) in Iran: eleven species recorded for the first time, with new data on host plants and distribution of several other species. *Journal of Entomological Society of Iran*, 35 (1):57–68.
- 14) **Nasserzadeh, H.** & Komarek, A. (2017) Taxonomic revision of the water scavenger beetle genus *Sternolophus* Solier, 1834 (Coleoptera: Hydrophilidae). *Zootaxa*, 4282 (2): 201–254.
- 15) **Nasserzadeh, H.**, Alipanah, H. & Gilasian, E. (2017) Phylogenetic study of the genus *Sternolophus* Solier (Coleoptera, Hydrophilidae) based on adult morphology. *ZooKeys*, 712: 69–85.
- 16) **Nasserzadeh, H.**, Platia, G., Parsi, F. & Serri, S. (2018) Three new species, *Elathous zagrosensis* sp. n., *Zorochochros dilatatus* sp. n., and *Dicronychus iranicus* sp. n., and noteworthy records of click beetles from western Iran (Coleoptera: Elateridae). *Zootaxa*, 4394 (4): 517–536.
- 17) **Nasserzadeh, H.**, Jäch M.A. & Shirazi, J. (2019) New records of *Hydrochus* Leach, 1817 (Coleoptera: Hydrochidae) from Iran. *AQUATIC INSECTS*, 1–5.
- 18) **Nasserzadeh, H.**, Merkl, O. & Khodayari, S. (2019) *Philhammus* in Iran (Coleoptera: Tenebrionidae: Pimeliinae). *Folia entomologica Hungarica*, 80: 9–12.
- 19) Keyhanian, A.A., Barari, H., Ghorbani, R., Mobasheri, M.T. & **Naserzadeh, H.** (2020) Biological characteristics of canola stemborer weevils, *Ceutorhynchus* spp. (Col.: Curculionidae) in oilseed rape fields of some regions

of Iran. *Plant Protection (Scientific Journal of Agriculture)*, 43(1): 83–97. [In Farsi]

20) **Nasserzadeh, H.**, Barari, H., Keyhanian, A.A., H., Ghorbani, R. & Mobasheri, M.T. (2020) Identification guide of weevils in canola fields. *Technical Publication*, Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, 27 pp. [In Farsi]

21) Keyhanian, A.A., Barari, H., Ghorbani, R., Mobasheri, M.T. & **Nasserzadeh, H.** & Mafi Pashakolaei, Sh. (2020) Canola stem weevils, *Ceutorhynchus* spp. (Col.: Curculionidae). *Applied Instruction*, Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, 14 pp. [In Farsi]

22) **Nasserzadeh, H.** (2020) A comparative morphological study of the genital tube in some hydrophilid species (Col., Hydrophilidae): with a discussion on the importance of the internal genital characters in phylogenetic studies. *Journal of Entomological Society of Iran*, 40 (2): 201–227.

23) **Nasserzadeh, H.** & Platia, G. (2021) A study of the click beetles (Coleoptera: Elateridae) of northwestern Iran with three new species *Reitterelater prosternalis* sp. n., *Melanotus borumandi* sp. n. and *M. kurdestanicus* sp. n. *Zootaxa*, 4941 (3): 338–368.

24) Manzari, S. (edt.), with cooperation of Ebrahimi E., Parchami-Araghi M., Hajiesmaeilian A., Serri S., Alipanah H., Ameri A., Gilasian E., Mozaffarian F., Mofidi-Neyestanak M., Moghaddam M. and **H. Nasserzadeh** (2021) *Discovery and documentation of new insect taxa in Iranian Research Institute of Plant Protection*. Iranian Research Institute of Plant Protection, 94 pp.

25) Serri, S., Barari, H., Sharifi Ziveh, P., Alavi, J., Mobasheri, M.T., Mojib Haghghadam, Z., Keyhanian, A., **Nasserzadeh, H.**, Mardani Sefidmazgi, M. & Soheili, B. (2021) Identification guide of flea beetles (Coleoptera: Chrysomelidae: Alticini) in Canola fields. *Technical Publication*, Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, 24 pp. [In Farsi]

26) Yunakov, N., **Nasserzadeh, H.**, Rezaei, N. & Zarghami, S. (2022) New Afrotropical and Oriental elements in the weevil fauna of Iran (Coleoptera: Curculionidae) with discussion on their origin. *J. Insect Biodiversity*, 32 (2): 48–55.

#### Conference papers:

1) Hosseinie, S. & **Nasserzadeh, H.** (2002) New records of *Hydrochara fiavipes* (Coleoptera, Hydrophilidae) from Iran. *1<sup>st</sup> Iranian conference of Animal Science & Biodiversity*, 20-22 August, 2002, Kerman, P. 43.

2) **Nasserzadeh, H.** & Hosseinie, S. (2003) Biosystematics and phylogenetic survey on three populations of *Hydrochara dichroma* Fairm. (Coleoptera,

Hydrophilidae) in Iran. *11<sup>th</sup> Biology Conference of Iran, 23–25 Aug. 2003, Urumia University*, P. 669.

3) Soufi, M., Kiabi, B., Zehzad, B., **Nasserzadeh, H.** & Riazi, B. (2010) study of human-related factors on the biodiversity of lagoons (a case study: a comparison between Solokli and Shormasts lagoons, north of Iran). *7<sup>th</sup> International Conference on International Conference on Natural Sciences and Technologies for Waste and Wastewater Treatment, Remediation, Emissions Related to Climate, Environmental and Economic Effects*. Linnaeus University School of Natural Sciences, KALMAR, SWEDEN, NOVEMBER 22 - 24, pp. 1055–1065.

4) **H. Nasserzadeh**, W. H. Rücker, F. Ardeshir (2015) *Latridius perminutus* (Coleoptera., Latridiidae), new for Iran on stored nuts. *1<sup>st</sup> Iranian International Congress of Entomology*, Tehran.

5) Serri, S., **Nasserzadeh, H.** & Biondi, M. (2016) First records of two Flea beetles for the fauna of Iran. *22<sup>nd</sup> Iranian Plant Protection Congress. 27–30 August 2016*, University of Tehran, Karaj. P. 423

6) Mansourghazi, M. & **Nasserzadeh, H.** (2018) The report on *Otiorhynchus ovalipennis* Boheman, 1842 (Col., Curculionidae) as new emerging and potential pest of strawberry fields in Kurdistan province. *23<sup>rd</sup> Iranian Plant Protection Congress, 27-30 August 2018*, Gorgan University of Agricultural Sciences and Natural Resources, P. 909.

### Thesis supervised

1) Soufi, M. (2010): The survey of ecology and biology of the Soulukli wetland in the Golestan National Park. Islamic Azad University, Science, and Research Branch. **(Advisor)**

2) Gholami, R. (2012): Identification, distribution, and host determination of seed weevil (Curculionidae) on some pasture plants. Tehran University, Abureyhan College. **(Advisor)**

### Professional organization

1) Member of Entomological Society of Iran (member of the board of directors, editor of the newsletter)

2) Member of Vienna Coleopterists Society (WCV)