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Assistant Professor in biosystematics & curator of Orthopteroidea

Iranian Plant Protection Biodiversity and Genetic Resources Complex

World Convention on Biological Diversity (CBD)

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Mohsen Mofidi-Neyestanak
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RESEARCH[Background](#)[Experiences](#)[Expeditions](#)[Interests](#)[Projects](#)[Prospective](#)[Grants](#)[Memberships](#)**PUBLICATIONS**[Journal papers](#)[Conference papers](#)[Books](#)[Extensional works](#)[Software & E-publications](#)**EDUCATION**[Background](#)[Theses](#)[Attended workshops](#)[Demonstrated lectures & speeches](#)[Computer acquaintance](#)[Languages](#)**POSITIONS HELD****Academic qualifications****2003–2008**

PhD of the Imperial College of Science, Technology and Medicine of London, Silwood Park, UK. In Insect Systematics. Thesis: "Systematics of bushcrickets tribe Platycleidini (Orthoptera: Tettigoniidae)". Supervised by Prof. Dr. D.L.J. Quicke [<https://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.506164>]

2008

Diploma of the University of London, the UK in Biosystematics.

2006

MPHIL of the Imperial College London in Insect Systematics.

1992–1995

MSc in Agricultural Entomology, Shahid Chamran University, Ahvaz, Iran. Thesis: "Investigation on the long-horned grasshoppers of Ghazvin-to-Damavand distinct and the biology of *Platycleis (Platycleis) escalerae iranica* Ram. (Orth., Tettigoniidae) *in vitro*".

1988–1992

B.Sc. in "Plant Protection", Faculty of Agriculture, Department of Plant Protection, Tehran University, Iran.

RESEARCH

Research background

July 1989—Jan 1997

Research assistant at the Jalal Afshar Zoology Museum of Agricultural College. Tehran University, Iran.

May 2005—June 2005

Research assistant working on population dynamism of fly pollinators of globeflower (*Trollius europaeus*, Ranunculaceae). Supervised by Prof. Dr. Jaboury Ghazoul. UK.

Oct 2003—Dec 2007

Registered research student, working on Orthoptera (Ensifera) at the Natural History Museum of London, UK.

Feb 2008—present

Researcher of Orthopteroidea collection in the Hayk Mirzayans Museum (HMIM) of Insect Taxonomy Research Department (ITRD), Iranian Research Institute of Plant Protection (IRIPP). Iran.

Research experiences

- Taxonomy and phylogeny through several techniques using molecular and morphological data
- Researching and curating of both alcohol-based and pinned insect collection
- Teaching/Researching programmes for entomology (particularly insect systematics) using multimedia and modern techniques
- Editorial board for English manuscripts approved to the "Journal of Entomological Society of Iran" (2008—2012)
- Editorial board and English manuscript Editor of the "Journal of Field Crop Entomology" (2011—2019)

Research expeditions

1995—2023

Exceeding to 1300 full-day-insect-collecting expeditions to various parts of Iran.

1997—1999

Some conjoint collecting expeditions (80 days) with the entomologists from the Department of Environment to various parts of Iran.

1998—2000

Some conjoint collecting expeditions (140 days) with botanists of Botany Dept. PPDRI, to the Iranian islands of Persian Gulf.

2000—2023

Some conjoint collecting expeditions (160 days) with the entomologists from the Natural History Museums of Paris and Stuttgart in the Northern and Central provinces of Iran.

Research interests

- Phylogeny of Ensifera, morphological data analysis
- Acoustic communication in Acridoidea
- Molecular systematics and evolution of Tettigoniidae
- Fauna and speciation orthopteran insects in islands
- Faunal study of Mantids
- Investigation on the diversity, behaviour, distribution and control of locusts in drought situation in Iran
- Alcohol-preserved collections of insects
- Developing the digital research unit of Hayk Mirzayans Insect Museum
- Digital documenting and dynamic identification keys
- Investigation on various aspects of vermin-compost on plant pests and diseases
- Evolution of stridulation apparatus in Orthoptera
- Strategic planning and TOC (Theory of Change) view on long-term decision making
- World Convention on Biological Diversity
- Global Taxonomy Initiative

Research projects**1989—1996**

Investigation on the fauna of Orthopteroidea of Iran. Afshar Zoological Museum of Agricultural College, Tehran University, Karaj, Iran.

1997—2003

Collecting and identifying the orthopteran fauna of the Iranian islands of Persian Gulf [11511] [120-78-11-107].

1998—2003

Collecting and identifying the ensiferous insects (Orthoptera, Ensifera) of Iran [2-107-110000-00-0000-77102].

1999—2003

Collecting and identifying the orthopteran fauna of Golestan National Park, a protected area in Golestan Province, Northeast of Iran [2-107-110000-00-0000-78120].

2000—2002

Faunal investigation on the fauna of soybean in some parts of Iran [0-100-110000-00-0000-79108].

2001—2003

Identification of natural vector(s) of Eggplant Mottled Dwarf Virus (EMDV), as a conjoint project with Plant virology Dept. of PPDR.

2001—2006

Collecting and identification of Orthoptera of forests and pastures within Tehran Province, Iran [80-0310929909-16].

2001—2003

An advanced survey on the orthopteran fauna of wheat and barley in Iran using Geographic Information System (GIS) [5-107-111100-01-7901-80059].

2003—2008

A worldwide revision on bushcrickets tribe Platycleidini (Tettigoniidae) and investigation on their phylogeny and systematics [PhD project].

2009—2013

Faunal study of ensiferans (Orthoptera, Ensifera) of the 10th Agricultural Region of Iran (Provinces: Khorasan-e Shomali, Khorasan-e Razavi and Khorasan-e Jonubi) [2-16-16-88030].

2009—2012

An investigation on the biodiversity, distribution and identification of Mantodea in Iran [2-16-16-88031].

2009—2013

Biodiversity of Acridinae *sensu lato* (Orthoptera: Acrididae) in Ardebil and Hormozgan Provinces [0-16-16-88025].

2010—2014

Setting up the identified alcohol-preserved collection of Orthoptera in the Hayk Mirzayans Insect Museum and molecular taxonomy of the Iranian Sphingonotini (Acrididae: Oedipodinae) [2-16-16-89019].

2015—2020

Possibility of rapid identification of insects *via* morphological sequencing [2-16-16-94156].

2013—2016

Identification of important peanut pests in farms of Guilan province (part: Orthopteroidea) [4-58-16-92152].

2015—2019

An investigation of the earwig (Dermaptera) fauna of Iran [2-16-16-94148].

2015—2018

Science and technology megaproject of biodiversity and genetic resources of Agricultural Research Education and Extension Organisation (AREEO), Iran [018-16-34-002-9402-94008].

2019—2022

Study of morphological development within most major orthopteran pests of wheat to create nymphs' illustrated identification key [2-16-16-064-980410].

2020—2022

Study injuries caused and the time of appearance by cyclamen mite, *Phytonemus pallidus* (Banks) and effects of less hazardous pesticides during strawberry developmental stages and quantities mite damages in the greenhouse [2-16-16-103-990843].

2021—2023

Faunistic investigation on Orthopteroidea species of mangrove habitats in Iran [124-16-16-090-00038-000899].

2023—2025

Insect pest and natural enemies' faunistic study of the paddy fields of the most rice producing provinces in Iran (Golestan, Guilan, Mazandaran, Fars and Khuzestan) [Under review and approval].

Research prospective

- Completing the orthopteran fauna of Iran and adjacent countries.
- Biosystematics and molecular taxonomy of insects.
- Morpho-Molecular systematics and phylogeny of insects, in particular Orthopteroidea.
- Hyper-text web related identification keys and databases
- Fast insect identification via morphological barcoding
- Global and national raise of biodiversity knowledge on insects' impact on food safety and security
- Mainstreaming of insects' importance in social health and sustainable food

Grants, awards and fellowships

- A scholarship leading a PhD program from Agricultural Ministry and Ministry of science, research and technology. (2001)
- A research funding of 1240 GBP by the Linnaean Society London and Systematics Association on the systematics of Hetrodini (Orth., Hetrodinae). (July 2006)

Research memberships**1988—present**

Entomological Society of Iran

2004—2008

Royal Entomological Society (UK).

2004—2008

Orthopterists' Society (USA).

2006—2008

bioinformatics.org, the online community for Open Access in bioinformatics.

2011—2019

Member of editorial board and the English editor of *Journal of Field Crop Entomology* (JFCE).

PUBLICATIONS

Journal peer-reviewed papers

- Mofidi-Neyestanak, M.** (1998). The first record of the family Trigonidiidae (Orth., Ensifera) from Iran. *Journal of Entomological Society of Iran*. 17(1, 2): 82-82.
- Mofidi-Neyestanak, M.** (2000). Taxonomy of genus *Phaneroptera* (*s. str.*) (Orth., Tettigoniidae) In Iran. *Journal of Entomological Society of Iran*. 20(1): 43-60.
- Mofidi-Neyestanak, M.** (2002). An emendation on a scientific name. *Journal of Entomological Society of Iran*. 21(2): 103-104.
- Mofidi-Neyestanak, M.** (2003). First report of 1 subfamily, 2 genera and 14 species of mantids (Hex., Mantodea) from Iran. *Iranian Journal of Plant Pathology*. 71(1): 38-39.
- Mofidi-Neyestanak, M.** (2003). The first record of the ant-loving crickets (Orth.: Grylloidea, Myrmecophilidae) from Iran. *Journal of Entomological Society of Iran*. 25: 62.
- Mofidi-Neyestanak, M.** (2004) Report of *Anaxipha exigua* (Orth. Trigonidiidae) from Iran. *Journal of Entomological Society of Iran*. 24(1): 121-122.
- Nouri-Ghanbalani, G.; **Mofidi-Neyestanak, M.** (2005). A faunal study of the Orthoptera of Ardabil Province, Iran. *Journal of Science and Technology*. 1(1): 9-18.
- Mofidi-Neyestanak, M.**; Quicke, D.L.J. (2007). *Eupholidoptera karatolosi* species nova and *Eupholidoptera mirzayani* species nova (Orthoptera, Tettigoniidae), two new bushcrickets from Greece and Iran. *Zootaxa*. 1562: 43-53.
- Moniri, V. R.; **Mofidi-Neyestanak, M.**; Omid, R.; Mehrabi, A.; Farashiani, M. E.; Azizkhani, E. (2009). New record of short-horned grasshoppers (Orthoptera: Acrididae) for Tehran Province. *Iranian Journal of Forest and Range Protection Research*. 7(1), 50.
- Mohammadrezai, R.; **Mofidi-Neyestanak, M.** (2012). Study on the orthopteran fauna of the southern slopes of Elburz Mountains between Buinzahra and Takestan, Iran. *Journal of Field Crop Entomology*. 1(2): 1-14.
- Adnan-Hoseyni, S.; **Mofidi-Neyestanak, M.** (2012). An investigation on the fauna and taxonomy of Orthoptera (Hexapoda) in Kordestan Province, Iran. *Journal of Field Crop Entomology*. 1(3): 9-26.
- Morshedi-Aghbolagh, A.; **Mofidi-Neyestanak, M.**; Taghizadeh, M. (2013). Fauna of Mantodea (Insecta) of Dasht-e-Moghan in Ardabil province, Iran. *Journal of Field Crop Entomology*. 1(3): 85-94.
- Jamali, M.; **Mofidi-Neyestanak, M.** (2013). An introduction to the fauna of mantids (Insecta: Mantodea) of northern slopes of Elburz Mountains within Mazandaran province, Iran. *Journal of Field Crop Entomology*. 3(2): 67-76.

- Hajiesmailian, A.; **Mofidi-Neyestanak, M.**; Ebrahimi, E. (2013). The first report of *Distoleon nuristanus* (Neuroptera: Myrmeleontidae) from Iran. *Journal of Entomological Society of Iran*. 33(3): page 83.
- Aalipour, M.; Iranipour, S.; Kazemi, M.H.; Nouri-Ghanbalani, G.; **Mofidi-Neyestanak, M.** (2014). Identification of locust species and determining dominancy in Khodaafarin region, northwest of Iran. *Journal of Field Crop Entomology*. 4(1): 37-48.
- Jafari, Sh.; Kazemi, M.H.; Shojaei, M.; Lotfalizadeh, H.; **Mofidi-Neyestanak, M.** (2015). Effects of temperature on calling song parameters of White faced bush cricket, *Decticus albifrons* (Ensifera: Tettigoniidae). *Journal of Entomological Research*. 7 (3): 233-247.
- Jafari, Sh.; Kazemi, M.H.; Shojaei, M.; Lotfalizadeh, H.; **Mofidi-Neyestanak, M.** (2015). Key to identification of 16 Ensiferan species (Insecta: Orthoptera) based on bioacoustic characters. *Journal of Entomological Research*. 8(1):11-27.
- Jafari, Sh.; Kazemi, M.H.; Shojaei, M.; Lotfalizadeh, H.; **Mofidi-Neyestanak, M.** (2015). First report of *Polysarcus denticauda* (Tettigoniidae: Phaneropterinae) from Iran and its bioacoustic characteristics. *Journal of Entomological Society of Iran*. 35(2): 89-91.
- Jafari, Sh.; Kazemi, M.H.; Shojaei, M.; Lotfalizadeh, H.; **Mofidi-Neyestanak, M.** (2016). Bioacoustic signal analysis of seven Grylloidea (Orthoptera: Ensifera) species. *Journal of Field Crop Entomology*. 6(1): 11-23.
- Mohammadi, A.; Kaboli, M.; Ashrafi, S.; **Mofidi-Neyestanak, M.**; Yousefi, M. (2016). Trophic niche segregation between two closely related sympatric rock nuthatch (*Sitta tephronota* and *S. neumayer*) in Zagros Mountains. *Journal of Natural Environment*. 68(4): 641-652.
- Mohammadi, A.; Yousefi, M.; Kaboli, M.; **Mofidi-Neyestanak, M.**; Ashrafi, S. (2016). Trophic regime of the eastern rock-nuthatch (*Sitta tephronota*) as an insect predator in Zagros Mountains, *Journal of Animal Environment*. 7(4) 75-80.
- Mohammadi, A.; Kaboli, M.; Ashrafi, S.; **Mofidi-Neyestanak, M.**; Yousefi, M.; Rezaei, A.; Stuart, Y. (2016). Trophic niche partitioning between two Rock Nuthatches (*Sitta tephronota* & *Sitta neumayer*) in a contact zone in Iran. *Journal of Zoology*. 299(2), 116-124.
- Ahmadi, E.; Ranjnush, B.; **Mofidi-Neyestanak, M.** (2018). The faunistic study of Mollusca in Jajrood river of Tehran province. *Experimental animal Biology*, 6(3), 71-84.
- Mousavi-Rashed, S.Y.; **Mofidi-Neyestanak, M.**; Shahbazi, F. (2019). Faunistic study of Caelifera (Insecta: Orthoptera) in Dasht-e Azadegan county, Khuzestan province, Iran. *Journal of Insect Biodiversity and Systematics*. 04(3): 183–196.
- Buleu, O.; Jetybayev, I.; **Mofidi-Neyestanak, M.**; Bugrov, A. (2020). Karyotypes diversity in some Iranian Pamphagidae grasshoppers (Orthoptera, Acridoidea, Pamphagidae): New insights on the evolution of the neo-XY sex chromosomes. *Comparative Cytogenetics*. 14(4), 549.

- Aref, H.; **Mofidi-Neyestanak, M.**; Shodjai, M.; Imani, S. (2020). Iranian species of the genus *Asiotmethis* (Orthoptera: Pamphagidae) and a new record for the Iranian fauna. *Journal of Entomological Society of Iran*. 40(3), 267-275.
- Aref, H.; **Mofidi-Neyestanak, M.**; Shodjai, M.; Imani, S. (2021). A Faunistic Study on the short-horned grasshoppers (Orthoptera: Acridomorpha) in Ilam province, Iran. *Taxonomy and Biosystematics*. 13(2), 97-118.
- Mofidi-Neyestanak, M.** (2023). First report of scaly cricket *Arachnocephalus vestidos* Costa, 1855 (Orth., Mogoplistidae) from Iran. *Journal of Entomological Society of Iran*. 42 (4), 325-329.

Conference papers

- Mofidi-Neyestanak, M.** (2000). A taxonomic survey on the Iranian species of *Phaneroptera (sensu stricto)* (Orth., Tettigoniidae). *Proceedings of the 14th Iranian Plant Protection Congress*. Page: 188.
- Nouri-Ghanbalani, G.; **Mofidi-Neyestanak, M.** (2000). On the Orthoptera of Ardabil province and the first record of seven species from Iran. *Proceedings of the 14th Iranian Plant Protection Congress*. Page: 332.
- Mofidi-Neyestanak, M.** (2000). Introduction of six new ensiferous Orthoptera for the fauna of Iran. *Proceedings of the 14th Iranian Plant Protection Congress*. Page: 338.
- Mofidi-Neyestanak, M.** (2000). A preliminary survey on the Orthopteroidea of the Iranian islands of Persian Gulf. *Proceedings of the 14th Iranian Plant Protection Congress*. Page: 339.
- Mofidi-Neyestanak, M.**; Fard, P.A. (2000). A faunal investigation on the long-horned grasshoppers (Orth. Tettigoniidae) of Ghazvin-to-Damavand distinct. *Proceedings of the 21st International Congress of Entomology in Brazil*. Page: 275.
- Nouri-Ganbalani, G.; **Mofidi-Neyestanak, M.** (2002). Fauna of Orthoptera *sensu stricto* in Ardabil. *Proceedings of the Seventh European Conference on Entomology*, Oct. 7-13 Thessaloniki, Greece.
- Tavakoli, M.; **Mofidi-Neyestanak, M.** (2002). A preliminary survey on the short-horned grasshoppers (Orthoptera: Acrididae) fauna in the forests and rangelands of Lorestan province, Iran. *Proceedings of the 15th Iranian Plant Protection Congress*. Page: 129.
- Mofidi-Neyestanak, M.**; Quicke, D.L.J. (2008). Continuous and discrete morphological data: a cladistic study of bushcrickets (Orthoptera, Tettigoniidae: Platycleidini). *Proceedings of the 18th Iranian Plant Protection Congress*. Page: 62.
- Mofidi-Neyestanak, M.**; Quicke, D.L.J. (2008). Molecular phylogeny of bushcrickets (Orthoptera, Tettigoniidae: Platycleidini) based on 16s, 28s, Cytb, CO1, and ITS2. *Proceedings of the 18th Iranian Plant Protection Congress*. Page: 60.

- Mofidi-Neyestanak, M.;** Quicke, D.L.J. (2008). Phylogenetic analysis of bushcrickets (Orthoptera, Tettigoniidae: Platycleidini) based on total evidence of continuous and discrete morphological data and three molecular fractions. *Proceedings of the 18th Iranian Plant Protection Congress*. Page: 63.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2009). Phylogeny of Ensifera (Orthoptera) using continuous morphological data. *Proceedings of the Sixth Asia-Pacific Congress of Entomology*. Page: 260.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2009). Phylogeny of Orthoptera using discrete morphological data. *Proceedings of the Sixth Asia-Pacific Congress of Entomology*. Page: 261.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2010). Phylogeny of short-horned grasshoppers (Orthoptera: Caelifera) using continuous morphological data. *Proceedings of the 19th Iranian Plant Protection Congress*. Page: 540.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2010). Higher phylogeny of Orthoptera using single and combined data matrices of continuous and discrete morphological data. *Proceedings of the Ninth European Congress of Entomology*. Page: 163.
- Zarnegar, A.; **Mofidi-Neyestanak, M.** (2012). A contribution to the fauna of Orthopteroidea of the pastures within Ghazvin plain, Iran. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 220.
- Mofidi-Neyestanak, M.;** Quicke, D.L.J. (2012). Ratios versus measurements in taxonomy and phylogeny: which one is more informative? *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 761.
- Mofidi-Neyestanak, M.** (2012). Faunal study of ensiferans (Orthoptera: Ensifera) of the northeast quarter of Iran. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 226.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2012). Morphological phylogeny of suborder Ensifera (Orthoptera) based on continuous-discrete data. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 206.
- Yasemi, M.; **Mofidi-Neyestanak, M.;** Sarafrazi, A. (2012). Cladistic analysis of Caelifera based on continuous-discrete morphological data. *The 24th International Congress of Entomology*. South Korea. Page: 106.
- Mohammadrezai, R.; **Mofidi-Neyestanak, M.;** Shamohammadi, F. (2012). Study on the orthopteran fauna of the southern slopes of Elburz Mountains between Buinzahra and Takestan, Iran. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 225.
- Hajiesmailian, A.; **Mofidi-Neyestanak, M.;** Ebrahimi, E.; Jafary, M. (2012). Faunistic study of lacewings (Neuroptera: Myrmeleontidae) from Markazi province of Iran. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 176.
- Mofidi-Neyestanak, M.;** Karimzadeh, J.; Taghizadeh, M.; Askari-Seyahooei, M. (2012). A preliminary study on the biodiversity of Acridinae (Orthoptera) in Ardebil and Hormozgan provinces, Iran. *Proceedings of the 20th Iranian Plant Protection Congress*. Page: 229.

- Feyzi, M.; Khajezadeh, Y.; **Mofidi-Neyestanak, M.**; Malekirad, A. (2013). Investigation of population dynamism and damage evaluation of onion thrips (*Thrips tabaci* L.) in 10 onion native genotypes of Iran southern and commercial cultivars. *The Second National Conference on Sustainable Agricultural Development and Healthy Environment*. Page: 324.
- Kaboudani, A.; **Mofidi-Neyestanak, M.** (2014). A contribution to the fauna of Orthoptera of Khvaf County in Kharasan-e-Razavi province, Iran. *Proceedings of the 21st Iranian Plant Protection Congress*. Page: 577.
- Jahantighi, M.; **Mofidi-Neyestanak, M.** (2014). Faunistic study of Orthoptera of Hirmand basin and Hamoon inflows in Sistan, Iran. *Proceedings of the 21st Iranian Plant Protection Congress*. Page: 576.
- Mofidi-Neyestanak, M.** (2014). An investigation on the biodiversity, distribution, and identification of Mantodea in Iran. *Proceedings of the 21st Iranian Plant Protection Congress*. Page: 615.
- Mofidi-Neyestanak, M.** (2015). The Decticini and Ctenodecticini are not monophyletic. *Proceedings of the First Iranian International Congress of Entomology*. August 29—31, Tehran, Iran.
- Mofidi-Neyestanak, M.** (2015). Complementary data on the mantis fauna of Iran. *Proceedings of the First Iranian International Congress of Entomology*. August 29—31, Tehran, Iran.
- Mofidi-Neyestanak, M.** (2015). On testing the MacArthur-Wilson Equilibrium Model with species/area data in the Iranian Persian Gulf islands. *Proceedings of the First Iranian International Congress of Entomology*. August 29—31, Tehran, Iran.
- Mofidi-Neyestanak, M.** (2015). The orthopteroid insect fauna in the Golestan National Park, Iran. *Proceedings of the First Iranian International Congress of Entomology*. August 29—31, Tehran, Iran.
- Pourjafari-Godaneh, Z.; **Mofidi-Neyestanak, M.**; Maleki-Rad, A. (2016). An investigation to the orthopterans (Hexapoda: Orthoptera) within North of Kerman Province. *Proceedings of the 22nd Iranian Plant Protection Congress, 27—30 August 2016*. College of Agriculture and Natural Resources, University of Tehran, Karaj, IRAN. Page: 430.
- Ranjnoosh, B.; Ahmadi, E.; **Mofidi-Neyestanak, M.** (2016). Identification of the land and freshwater Gastropoda of Jajrood riverside in Tehran province. *Proceedings of the 22nd Iranian Plant Protection Congress, 27—30 August 2016*. College of Agriculture and Natural Resources, University of Tehran, Karaj, IRAN. Page: 433.
- Taleb, F.; **Mofidi-Neyestanak, M.** (2016). An introduction to generating of Iranian Orthoptera Database. *Proceedings of the 22nd Iranian Plant Protection Congress, 27—30 August 2016*. College of Agriculture and Natural Resources, University of Tehran, Karaj, IRAN. Page: 461.

Books

Sharif-Rohani, M.; Saberi, A.M.; Balali, M.R.; **Mofidi-Neyestanak, M.**; Hasani-Moghadam, M.; Sharifi, A.; Alipour, H.; Sharifi-Tehrani, F. (2016). *Laying the Groundwork for Strategic Planning of Agricultural Research, Education and Extension Organisation (AREEO)*. AREEO Publication Press. 110 pages.

Ghasemi, S.; **Mofidi-Neyestanak, M.** (2017). *The most important achievements of AREEO in the 11th IR-Iran government*. Agricultural Research, Education and Extension Organisation Publication. 32 pages.

Alipannah, H.; **Mofidi-Neyestanak, M.**; Nejad Falatoury, A. (2020). Summary for policymakers of the global assessment report on biodiversity and ecosystem services. (Translation to Persian). AREEO Publication Press, 104 pages.

Mofidi-Neyestanak, M. (2021). Global Biodiversity Outlook 5: summary for policymakers, 2020. (Translation to Persian). AREEO Publication Press, 40 pages.

Extensional works

Mofidi-Neyestanak, M. (2016). Pictorial identification key of Mantodea of Iran. AREEO Extension Novel System Publication no. 1. Poster.

Software and E-publications

Mofidi-Neyestanak, M. (2012). Biosystematics of animals. Educational content for the e-Learning portal of Payam-e Noor University. [<http://lms.pnu.ac.ir>].

EDUCATION

Teaching background

1990—1995

Crop Pests and their control techniques (laboratories and field works). Practicals for Graduate (B.Sc.) students. Tehran University, Iran.

1993—1995

Agricultural Entomology (laboratories and field works). Practicals for Graduate (B.Sc.) students. Tehran University, Iran.

1993—1995

Fruit Pests and their control techniques (laboratories and field works). Practicals for Graduate (B.Sc.) students. Tehran University, Iran.

1994—1995

Systematics of Entomology (laboratories and field works). Practicals for Postgraduate (MSc) students. Tehran University, Iran.

2006—2008

Principals of systematics, PCR-ing and Molecular techniques. Teaching Assistantship and demonstrating at the Department of Biology, Imperial College London. UK.

2009

Phylogeny techniques and practicals via morphological and molecular data. Teaching schedule for Postgraduate (PhD) students. Tehran University. Iran.

2009

PCR techniques and molecular sequencing, theory and practicals. Teaching schedule for Postgraduate (PhD) students. Tehran University. Iran.

2010

Electrophoresis techniques, theory and practicals. Teaching schedule for postgraduate (PhD) students. Tehran University. Iran.

2009—2010

Teaching schedule for postgraduate (MSc) students. **Agricultural Entomology,** theory and practicals. Islamic Azad University, Science and Research Unit. Tehran, Iran.

2010—2011

Teaching schedule for postgraduate (MSc) students. **Agricultural Entomology,** theory and practicals. Islamic Azad University, Science and Research Unit. Tehran, Iran.

2010—2011

Teaching schedule for postgraduate (MSc) students. **Conservative Entomology**, theory and practicals. Islamic Azad University, Science and Research Unit. Tehran, Iran.

2010—2019

Teaching schedule for postgraduate (MSc) students. **Animal biosystematics**. Payam-e Noor University, Tehran, Iran.

2011—2019

Teaching schedule for postgraduate (MSc) students. **Species and Speciation**. Payam-e Noor University, Tehran, Iran.

2012—2019

Teaching schedule for postgraduate (MSc) students. **Entomology**. Payam-e Noor University, Tehran, Iran.

2011—2019

Teaching schedule for postgraduate (MSc) students. **Practical techniques and software in biosystematics**. Payam-e Noor University, Tehran, Iran.

2013—2019

Teaching schedule for postgraduate (MSc) students. **Advanced animal biosystematics**. Theory and practicals. Payam-e Noor University, Tehran, Iran.

2014—2019

Teaching schedule for postgraduate (MSc) students. **Zoogeography**. Payam-e Noor University, Tehran, Iran.

Theses**Yasemi, M. (2009)**

Higher phylogeny of Orthoptera using single and combined data matrices of continuous and discrete morphological data

Supervisor: A. Sarafrazi

Advisor: **M. Mofidi-Neyestanak**

MSc in Agricultural Entomology, Islamic Azad University, Science and Research Branch, Tehran

Allahgholi, L. (2010)

Ecological niche assessment of lizard species dominant in Sorkhe-Hesar National Park (Tehran Province)
Iran

Supervisor: M. Kaboli

Advisor: **M. Mofidi-Neyestanak**

MSc in Environment sciences biodiversity, Islamic Azad University, Science and Research Branch, Tehran

Hajiesmailian, A. (2011)

A Faunistic study of family Myrmeleontidae (Hexapoda: Neuroptera).

Supervisor: **M. Mofidi-Neyestanak**

Advisor: E. Ebrahimi

MSc in Agricultural Entomology, Islamic Azad University, Arak branch

Mohammadrezayi, R. (2012)

An investigation on the fauna and taxonomy of Orthoptera (Hexapoda) in the southern slopes of Elburz Mountains between Bouinzahra and Takestan, Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: F. Shamohammadi

MSc in Zoology Biosystematics, Payam-e Noor University, East Tehran branch

Bayat, B. (2013)

Taxonomy and phylogeny of Pamphagidae (Hexapoda: Orthoptera) via morphological data

Supervisor: **M. Mofidi-Neyestanak**

Advisors: M. Shodjai & J. Nozari

MSc in Agricultural Entomology, Islamic Azad University, Science and Research Branch Tehran

Jamali, M. (2013)

A faunal study of Mantodea within the northern slopes of Alborz Mountains (Mazandaran Province) Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: S. Imani

MSc in Agricultural Entomology, Islamic Azad University Garmsar Branch

Hosseyeni, A. (2013)

An investigation on the fauna and taxonomy of Orthoptera (Hexapoda) in Kordestan Province, Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: S. Saidian

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Feyzi, M. (2013)

Investigation of population dynamism and damage evaluation of onion thrips (*Thrips tabaci* L.) in 10 onion native genotypes of Iran southern and commercial cultivars

Supervisors: Y. Khajehzadeh & A. Malekirad

Advisor: **M. Mofidi-Neyestanak**

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Morshedi-Aghbolagh, A. (2013)

A faunal study of Mantodea within the Dasht-e Moghan and Pars-Abad, Ardebil Province Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisors: K. Sepahi-Rad & M. Taghizadeh

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Ansari, M. (2013)

Faunal and taxonomic study of grasshoppers (Orthoptera) within Tandoureh National Park, Iran

Supervisors: S. Pashai-Rad & **M. Mofidi-Neyestanak**

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Jolany, S. (2014)

An investigation on the taxonomy and distribution of sphecid wasps (Hexapoda: Hymenoptera: Sphecidae) in the west of Guilan Province, Iran

Supervisor: E. Ebrahimi

Advisors: **M. Mofidi-Neyestanak** & F. Shamohammadi

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Jahantighi, M. (2014)

A Faunal Study of Orthoptera (Insecta) of Sistan

Supervisor: **M. Mofidi-Neyestanak** & Maleki-Rad, A

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Mohammadi, A. (2014)

Trophic Niche partitioning between Rock Nuthatch (*Sitta neumayer*) and Eastern Rock Nuthatch (*Sitta tephronota*) at their contact zone in Iran (Zagros Mountains): evidences on character displacement

Supervisors: Mohammad Kaboli & Sohrab Ashrafi

Adviser: **M. Mofidi-Neyestanak**. Tehran University, Karaj, Iran

MSc in Environmental sciences and Animal Biology

Kaboodani-Nasrabad, A. (2014)

An investigation on the fauna and taxonomy of Orthoptera (Hexapoda) of Khvaf County in Kharasan-e-Razavi Province, Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: Fatima Shamohammadi

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Jafari, Sh. (2015)

Species identification of some Ensifera (Orthoptera) based on morphological and major bio-acoustical patterns

Supervisors: Kazemi, M.H. & Shodjai, M.

Advisors: Lotfalizadeh, H. & **M. Mofidi-Neyestanak**

PhD in agricultural entomology. Islamic Azad University, Science and Research Unit. Tehran, Iran

Ranjnoosh, B. (2016)

Investigation on biodiversity of molluscs of Jajrood River in Tehran Province, Iran. MSc in Zoology (Biosystematics)

Supervisor: Ahmadi, E.

Advisor: **M. Mofidi-Neyestanak**

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Esamilvand, Sh. (2017)

Faunal study of Orthoptera of Lorestan Province, Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: Nazari, F.S.

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Taleb, F. (2018)

Faunistic and taxonomic database of Orthoptera of Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: Nazari, F.S.

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Nozari, L. (2019)

Faunistic study of earwigs (Dermaptera) in Guilan, Iran

Supervisor: **M. Mofidi-Neyestanak**

Advisor: Shahbazi, F.

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Mousavi-Rashed, S.Y. (2019)

Faunistic study of Orthoptera (Hexapoda) of Dasht-e Azadegan in Khuzestan Province, Iran

MSc in Zoology (Biosystematics)

Supervisor: **M. Mofidi-Neyestanak**

MSc in Zoology (Biosystematics). Payam-e Noor University, East Tehran branch

Aref, H. (2022)

Faunistic study of Orthoptera (Hexapoda) of Ilam Province, Iran

Supervisors: **M. Mofidi-Neyestanak** and The late Prof. M. Shodjai

PhD in Agricultural entomology. Islamic Azad University, Science and Research Unit. Tehran, Iran

Attended workshops**2002**

“Workshop on Multivariate Analysis and Geometric Morphometrics” By Dr. Michel Baylac Organised by: Iranian Research Institute of Plant Protection (IRIPP) jointly with Museum of Natural History of Paris held at the Insect Taxonomy Research Department (ITRD), Agricultural Research, Education and Extension Organisation (AREEO). Tehran Iran 31 August to 4 September.

2008

“Workshop on Web of Science 8.0 and ISI End-note Web” By Guillaume Rivalle from the Thomson Reuters Company). Organised by: Razi Vaccine & Serum Research Institute jointly with the Thomson Reuters Company, Karaj, Iran 3 October.

2020

“The first international knowledge management webinar on a perspective on capacity building in knowledge management development in the agricultural sector of Iran”. Virtual workshop Co-organised by AREEO and APAARI. 17 August.

2020

“Draft Global Taxonomy Initiative in Support of the Post-2020 Global Biodiversity Framework”. Global Taxonomy Initiative Forum. The United Nations. 2—4 December.

2021

“The first international symposium of the joint commission for the follow-up of the action plan”. The first series of general and specialised symposium in cooperation between Yunnan Academy of Agricultural Sciences (YAAS), International Cooperation Division Agricultural Research, Education and Extension Organisation (AREEO), Academic Relations and International Affairs (ARIA). 10 May.

2021

“GEO BON webinars on supporting implementation of the post-2020 global biodiversity framework”. Global Taxonomy Initiative Forum. The United Nations. 7 July.

2021

“Second meeting to advance the draft summary for policymakers of the assessment of the sustainable use of wild species”. Global Taxonomy Initiative Forum. The United Nations. 22—24 June.

2022

“Workshop on options to enhance the planning, monitoring, reporting and review mechanism” at WG2020-4, The United Nations World Convention on Biological Diversity (CBD), Nairobi, Kenya. 17—18 June.

2023

“Integrating tenure security into land restoration initiatives” UNCCD-FAO regional webinars for focal points. The United Nations. 13—15 February.

2023

“Virtual workshop on the multi-stakeholder consultation on inclusive digital agriculture for the Asia Pacific region” under the GFAR Collective Action on Inclusive Digital Agriculture. Co-organised by the Asia-Pacific Association of Agricultural Research Institution (APAARI), the Asian Farmers’ Association (AFA) and GFAR, with participation from partner country members (Bangladesh, Bhutan, Sri Lanka, India, Iran, Samoa, Pakistan, Papua New Guinea, Lao PDR, Vietnam and Thailand). 22 February.

Demonstrated lectures and speeches**2001**

“How to create a web-page” Speech hosted by the Insect Taxonomy Research Department, Iranian Research Institute of Plant Protection. 23 October. Tehran Iran.

2009

“Azola Bio-control techniques” Speech hosted by the Bio-control Department, Iranian Research Institute of Plant Protection. 28 February. Tehran Iran.

2010

“Multi criteria datasets and robust phylogeny” Speech hosted by: Iranian Research Institute of Plant Protection. 8 October. Tehran Iran.

2013

“Scientific and technical speech & PowerPoint tips-and-tricks” M. Mofidi-Neyestanak & A. Sarafrazi. Speech hosted by the Iranian Research Institute of Plant Protection. 25 June. Tehran Iran.

2014—2018

Several workshops and demonstrations on “Strategic Planning and Strategic Mega-projects of AREEO” in different institutions in Iran.

2019

“The latest data analyses of IPBES (Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services)”. Speech hosted by the Iranian CBD secretariat. 4 August.

2021

“Analysis of the status of genetic resource management and biodiversity of the Iranian Plant Protection Research Institute during the last eight years with a glance to the future”. Webinar hosted by Iranian Research Institute of Plant Protection. 11 January. Tehran Iran.

2021

“Hayk Mirzayans Insect Museum”. ICOM International Committee for Museums and Collections of Science and Technology (CIMUSET) hosted by Iran. 3rd pre-conference. 7-11 September. (Conference postponed to 2021 due to Covid19 Pandemic).

2022

“Morphological diagnosis of the most important grasshoppers of wheat and barley: desert locust, Moroccan locust, Asian locust and Italian locust” Webinar hosted by Iranian Research Institute of Plant Protection. 7 February. Tehran Iran.

2022

The Fourth Meeting of the Open-ended Working Group on the Post-2020 Global Biodiversity Framework (Head of IR Iran official delegation). WG2020-04. World Convention on Biological Diversity (CBD), Nairobi, Kenya. 21-26 June.

2022

“Introducing the latest taxonomy of Orthopteroida and the most important native orthopterans of agricultural pests”. Webinar hosted by Iranian Research Institute of Plant Protection. 3 December. Tehran Iran.

2022

“Important role of Mantids in nature as insect predators” A TV show hosted by the national Rouyesh IRIBB channel. 10 December. Tehran Iran.

2023

“Desert locusts and native grasshoppers, Part 1: Scientific diagnoses and separation techniques. By: M. Mofidi-Neyestanak; Part 2: Methods of tracking and controlling. By: Dr. M. Ghazavi”. Webinar hosted by Iranian Research Institute of Plant Protection. 3 December. Tehran Iran.

Computer acquaintance

1. Excellent knowledge of major biosystematics and phylogenetic analyzing/editing software
2. Excellent knowledge of Windows and Mac operating systems
3. Advanced ICDL Microsoft Office applications
4. Advanced knowledge of internet-related applications and publications
5. Advanced knowledge of Corel, Adobe Photoshop and other leading graphic environments

Languages

1. Persian (mother tongue)
2. English (fluent)
3. French (scientific material)
4. Esperanto (intermediate)

POSITIONS HELD

February 2008—present

Curator of Orthopteroidea collection in the Hayk Mirzayans Museum (HMIM) of Insect Taxonomy Research Department (ITRD), Iranian Research Institute of Plant Protection (IRIPP) Iran.

February 2009—May 2010

Deputy of the Insect Taxonomy Research Department (ITRD), Iranian Research Institute of Plant Protection (IRIPP). Iran.

May 2010— May 2011

Head of the Department of Agricultural Research Zoology. Iranian Research Institute of Plant Protection (IRIPP). Iran.

May 2011— March 2014

Head of the Library and Documentation Centre of the Iranian Research Institute of Plant Protection (IRIPP). Iran.

May 2011— March 2014

Chief Secretary of Publication Committee of the Iranian Research Institute of Plant Protection (IRIPP). Iran.

May 2011—March 2014

Research and technology deputy of Iranian Research Institute of Plant Protection (IRIPP). Iran.

March 2014—present

Responsible for the lab of Orthopteroidea at ITRD, Iran.

March 2015—present

Member of Strategic Planning Committee of the sixth Development Program of Agricultural Research, Education and Extension Organisation, Iran.

October 2015—present

Responsible for the codification of strategic planning of the science and technology mega-project: Part “Biodiversity and Genetic Resources” for AREEO.

August 2015—June 2017

Agricultural Research, Education and Extension Organisation (AREEO): Deputy Director of Planning and Statistics; Bureau of Planning, Budgeting and Statistics.

June 2017—December 2019

Deputy Chief of Staff Finance and Support of IRIPP.

May 2019—February 2021

Head of the Department of Agricultural Research Zoology. Iranian Research Institute of Plant Protection (IRIPP). Iran.

May 2019— February 2021

Counsellor of the IRIPP president in "Genetic Resources and Biodiversity Management". Iranian Research Institute of Plant Protection (IRIPP). Iran.

August 2019—present

World Convention on Biological Diversity: Iran National Focal Point for Global Taxonomy Initiative.

February 2008—present

Curator of Orthopteroidea collection in the Hayk Mirzayans Museum (HMIM) of Insect Taxonomy Research Department (ITRD), Iranian Research Institute of Plant Protection (IRIPP) Iran.