



Somayeh Ghaneameleh

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Date of Birth: 03/10/1989

Residential address : No. 12, Alley 14, Khalifeh Soltani St, Imam Khomeini St,
Isfahan, Iran

Research Interests

- Molecular phylogenetics and evolutionary history
- Phylogeography and population structure
- Conservation genetics and management units
- Climate change impacts on biodiversity
- Species distribution and ecological niche modelling

Education

2017-2020. M.Sc. in Science and Environmental Engineering- Biodiversity Management and Conservation

- Shahid Beheshti University, Tehran, Iran (www.sbu.ac.ir) GPA: (17.60/20)

Thesis: Phylogeography of Three-lined Lizard (*Lacerta media*) in Iran

Supervisor: Dr. Faraham Ahmadzadeh (f.ahmadzadeh@sbu.ac.ir)

2010-2014. B.Sc. in Natural Resources Engineering- Environmental Science

- Kurdistan University, Kurdistan, Iran (www.uok.ac.ir) GPA: (15.16/20)

Project: Explaining the vital components, geography and biological threats of *Neurergus derjugini*

Supervisor: Dr. Hanyeh Ghaffari (h.ghaffari@uok.ac.ir)

Honors

Ranked 25th among >2500 participants in the Iranian National University Entrance Exam, Science and Environmental Engineering (MSc) 2017.

Publication

- Somayeh Ghane-Ameleh, Milad Khosravi, Reihaneh Saberi-Pirooz, Elham Ebrahimi, Marzieh Asadi Aghbolaghi, and Faraham Ahmadzadeh. (2021). "Mid-Pleistocene Transition as a Trigger

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for Diversification in the Irano-Anatolian Region: Evidence Revealed by Phylogeography and Distribution Pattern of the Eastern Three-Lined Lizard.” **Global Ecology and Conservation** <https://doi.org/10.1016/j.gecco.2021.e01839>

- Mohsen Ahmadi, Mahmoud-Reza Hemami, Mohammad Kaboli, Somayeh Ghane-Ameleh and Mansoureh Malekian. (2024). “Conservation Biogeography of Mountain Vipers: A Phylogenetic Niche Modelling Approach.” **Diversity and Distributions**. <https://doi.org/10.1111/ddi.13955>

Research Experience

- Research Assistant Shahid Beheshti University, Tehran, Iran (2018-2020)

Performed research under Dr. Faraham Ahmadzadeh in the Laboratory of the university, on the DNA extraction and Polymerase chain reactions (PCRs) using a Thermomixer, Microcentrifuge, Thermocycler (Bio-Rad), Safe-Red™, AutoDocument and Autoclave with the team working in the Laboratory.

- Research Assistant Shahid Beheshti University, Tehran, Iran (2020-2022)

Performed research projects related to particle number Measurements in Tehran area and national air pollution emission inventory under Dr. Yousef Rashidi, assistant professor in Environmental Sciences Research Institute in Shahid Beheshti University and former head of Air and Climate Change Center of "National Organization of Environmental Protection" in Iran.

Skills

- **Field Working and Laboratory Skills**

Sampling in the environment with team working in the field, Sterilization of devices with moist heat, Removing portion of muscle tissue, DNA extraction of muscle tissue, DNA purification and PCR, Nanodrop Spectrometry, Electrophoresis (SDS- PAGE and Agarose), Visualization of amplified DNA fragments, Prepare sequences for sequencing, Freezing of genetic samples.

- Software

R Programming, Geneious prime, MrModeltest, RAxML, SequenceMatrix, MrBayes, MEGA, DnaSP, Arlequin, TCS, FigTree, Tracer, PAUP, BEAST, ArcGIS, Microsoft Office Package.

- Languages

Kurdish (native) - Persian (native) - English (Fluent).

Professional Activities

Attendance in 7th national conference on air pollution and sound management, Shahid Beheshti University, Tehran, Iran, (January. 28-29, 2019).

Member of the 7th national conference on air pollution and sound management, Shahid Beheshti University, Tehran, Iran, (January. 28-29, 2019).

Certificate

Learn to Program Python: A 6-hour course delivered by Intersect Australia on Wednesday, August 31, and Thursday, September 1, 2022, at the University of Canberra.

Data Visualisation in R: A 3-hour course delivered by Intersect Australia on Friday, August 19, 2022 at Deakin University.

Data Manipulation in R: A 3-hour course delivered by Intersect Australia on Thursday, August 18, 2022 at Deakin University.

R Programming Software; Matris Pedia Training (MPT) Iran Representative, 2022.

References

Dr. Faraham Ahmadzadeh Associate Professor of Shahid Beheshti University, Tehran, Iran, Institute (ESRI).

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Dr. Khosro Piri Professor of Shahid Beheshti University, Tehran, Iran, Institute (ESRI).

Email: p_khosro@sbu.ac.ir Phone: +98 21 22431971

Dr. Hanyeh Ghaffari Associate Professor of Kurdistan University, Kurdistan, Iran, Department of Environment, Faculty of Natural Resource.

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