



SHAHIN SEIDI

POST-DOCTORAL RESEARCHER

SUMMARY

Post-doctoral researcher in the research center for emerging and re-emerging infectious diseases at Pasteur Institute of Iran (IPI). Co-investigator in the two research projects in IPI (from 2021 until now). Food quality control laboratory manager (2020-2022) with 8+ years of professional laboratory experiences in the field of molecular biology with RT-PCR, Cloning, , and SDS pag skills. Capable of working independently with minimum supervision, and committed to providing high quality service to every project, with focus on Epidemiology, Parasitology and Molecular Cell Biology issues.

EDUCATION

Post-Doc
2021-2023

PARASITOLOGY
PASTEUR INSTITUTE, TEHRAN

Project: "Investigation of molecular phylogeny, infection to plague bacillus, and metagenomics of symbiotic and bacterial pathogens of fleas in the selected foci of plague in western Iran"

Advisor: Dr. Ehsan Mostafavi

Ph.D.
2015-2021

VETERINARY PARASITOLOGY
URMIA UNIVERSITY, URMIA

Dissertation: "Study of genetic variation of cytochrome oxidase I, detection of contamination by some pathogens and evaluation of pesticide susceptibility to Pyrotyroids in Fleas collected from west and northwest of Iran"

Report of dissertation's GPA (in Iranian scale): 20

Major advisor: Dr. Mousa Tavassoli

Earned GPA in Ph.D (in Iranian scale): 19.20

M.Sc
2011-2013

VETERINARY PARASITOLOGY
UNIVERSITY OF TEHRAN, TEHRAN

Thesis: "Nucleotide sequencing of cathepsin L protein in *Boophilus annulatus*"

Report of thesis's GPA (in Iranian scale): 20

Major advisor: Dr. Sedigheh Nabian

Earned GPA in MS (in Iranian scale): 18.13

PERSONAL DETAILS

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Nationality
Iranian

Date of Birth
30/March/1987

Place of Birth
Kermanshah, Iran

Marital Status
Single

Residential Address
Unit 2, No 118, 4 th Bahman St,
12 Meter Ave, Vaein Town,
SHAHRJAR, TEHRAN.

LANGUAGES

Persian

English

B.Sc
2007-2011

VETERINARY LABORATORY SCIENCE
RAZI UNIVERSITY, KERMANSHAH

Thesis: "Prevalence of Ectoparasites parasites of native poultry in Gilangharb city"

Report of thesis's GPA (in Iranian scale): 20

Major advisor: Dr. Farid Rezaei

Earned GPA in MS (in Iranian scale): 17.59

BOOKS

2023 | Updating the key to identify fleas in Iran (in progress).

RESEARCH PROJECTS

2021-2023 | Co-investigator in the research project entitled "Investigation of molecular phylogeny, infection to plague bacillus, and metagenomics of symbiotic and bacterial pathogens of fleas in the selected foci of plague in western Iran".

2021-2023 | Co-investigator in the research project entitled "Genetin manipulation of acetic *Asaia* spp., symbiotic bacteria of vector of cutaneous/visceral leishmaniases using antimicrobial peptides and apoptotic agents to develop a genome-level paratransgenic tool for the control of leishmaniases at the ZCL/ACL/ZVL co-foci in Iran".

HONORS

2015 | Acheiving the **first rank** in post graduate veterinary parasitology admission test

2011 | Acheiving the **9th rank** in graduate veterinary parasitology admission test

WORK EXPERIENCE

2020-2022 | **Food Quality Control Laboratory Manager of Ghoncheh Parvar Company**

Duties: Performing the total chemical and microbial tests of products and input raw materials

TEACHING EXPERIENCE

2015 | Holding practical courses of DVM students in Urmia University

2016 | Holding practical courses of DVM students in Urmia University

2017 | Teaching courses (including 20 practical and theoretical credits) to BSc students in Kermanshah University of Medical Sciences

2018 | Teaching courses (including 10 practical and theoretical credits) to BSc students in Kermanshah University of Medical Sciences

2019 | Teaching courses (including 21 practical and theoretical credits) to BSc students in Kermanshah University of Medical Sciences

PROFESSIONAL EXPERIENCE

- 2011-2013 | **Membership in Scientific Association of the Students of veterinary parasitology in University of Tehran**
- Co-advisor of the following theses
- 2013-2014 | **Morphological and Molecular Characteristics of Geneus Rhipicephalus Based on Nucleotide Sequence of ITS2 Site**
- 2013-2014 | **Molecular Study of Boophilus annulatus ITS2 Locus**

SKILLS

- Molecular Biology Technigues**
- Microscopic diagnoisis methods parasites**
- SDS pag methods**
- ELISA methods**
- Culture microbiological methods**
- Cell culture methods**

PUBLICATIONS

- **A systematic review article of Rickettsia in emro country (in progress).**
- **Identification and characterization of a cathepsin L-like cysteine protease from Argas persicus Rhipicephalus (Boophilus) annulatus (in progress).**
- **Seidi, S., Tavassoli, M. and Malekifard, F., 2022. Evaluation of resistance to pyrethroids by bioassay and molecular analysis in Pulex irritans and Ctenocephalides canis in west and northwest Iran. Veterinary Research Forum, (Accepted to Online Publish).**
- **Seidi, S., Tavassoli, M. and Malekifard, F., 2022. Molecular identification and phylogenetic analysis of Flea Ctenocephalides canis from West and Northwest of Iran. Journal of Arthropod-Borne Diseases (under review).**
- **Seidi, S., Tavassoli, M. and Malekifard, F., 2021. Molecular Identification and Phylogenetic Analysis of Fleas Ctenocephalides Canis and Pulex Irritans in West and Northwest of Iran Based on Cytochrome Oxidase I. Armaghane danesh, 26(4), pp.511-526.**
- **Seidi, S., Tavassoli, M. and Malekifard, F., 2021. Molecular identification and phylogenetic analysis of Pulex irritans in different regions of Iran. Iranian Journal of Veterinary Science and Technology, 13(2), pp.46-57.**
- **Seidi, S., Tavassoli, M. and Malekifard, F., 2020. Cross-sectional study of Bartonella, Rickettsia and Wolbachia by molecular method in Fleas Ctenocephalides canis and Pulex irritans from the West and Northwest of Iran. Journal of Ardabil University of Medical Sciences, 20(4), pp.505-518.**
- **Seidi, S., Nabian, S., Ebrahimzade, E., Najafi, A., Moghaddam, M.M., Sazmand, A., Torkzadeh-Mahani, M. and Tabrizi, S.S., 2016. Identification and characterization of a cathepsin L-like cysteine protease from Rhipicephalus**

- (*Boophilus*) *annulatus*. *Experimental and Applied Acarology*, 68(2), pp.251-265.
- Rezaei, F., Hashemnia, M., Chalechale, A., Seidi, S. and Gholizadeh, M., 2016. Prevalence of ectoparasites in free-range backyard chickens, domestic pigeons (*Columba livia domestica*) and turkeys of Kermanshah province, west of Iran. *Journal of Parasitic Diseases*, 40(2), pp.448-453.
 - Tavassoli, M., Seidi, S., Mehran, M., Vahireza, B., and Khezer, S., 2016. Evaluation of effect of essential oil and nanoemulsion of *Zataria multiflora* Boiss on *Argas persicus* ticks in laboratory conditions. 3 th National Conference on Biological Control in Agriculture and Natural Resources, Mashhad. Iran Feb 2-3.
 - Gharekhani, G., Esmailnejad, B., Brahmata, R., Rezaei, H., Seidi, S., Abdorahmani, S., 2016. Prevalence of *Cryptosporidium* infection in sheep in Hamadan. 19 th Iranian veterinary congress, Tehran. Iran Apr 25-27.
 - Seidi, S., Gharekhani, G., 2016. Investigation of ectoparasites and endoparasites of different species of native birds of Gilanharb city. 19 th Iranian veterinary congress, Tehran. Iran Apr 25-27.
 - Gharekhani, G., Esmailnejad, B., Brahmata, R., Rezaei, H., Seidi, S., Abdorahmani, S., 2016. Prevalence of *Cryptosporidium* infection in domestic dogs in Hamadan. 19 th Iranian veterinary congress, Tehran. Iran Apr 25-27.
 - Seidi, S., Amiri, F., Nabian, S., 2012. Investigation of distribution of hard mites in Gilanharb city. The 2nd National congress veterinary Laboratory Sciences, Semnan. Iran Dec 12-13.