

## Curriculum Vitae

### PERSONAL INFORMATION

Kalatehjari, Pegah

pegah.kalatehjari@univie.ac.at

ORCID ID: 0000-0001-9043-8257

### • AREAS OF RESEARCH

- Anticoagulants and platelet aggregation inhibitors in the salivary glands of hematophagous leeches.
- Microbiota across leech species and producing reference chromosome-level genomes for biodiversity, evolution, and genomics research.
- Culture of medicinal leeches and analyzing gene expression and salivary gland physiology.
- Antifungal effects of nanoparticles on fish pathogens.
- Applying molecular genetics techniques to investigate Symbiont transmission in leeches.

### • POSITION(S) AND RESEARCH EXPERIENCE

08/2025 – 07/2027 Postdoctoral Researcher,  
Centre for Microbiology and Environmental Systems Science, Department of Microbiology and  
Ecosystem Science, University of Vienna, Austria

### • EDUCATION

02/2018 – 09/2023 PhD Natural Resources Engineering (Aquatics Culture)  
Department of Fisheries Science, Gorgan University of Agricultural Sciences and  
Natural Resources, Iran

09/2010 - 09/2012 Master Natural Resources Engineering (Aquatics Culture)  
Department of Fishery, Qaemshahr Campus of Islamic Azad University, Iran

02/2006 - 02/2010 Bachelor Natural Resources Engineering, Fishery (Aquatics Culture)  
Department of Fisheries Science, Gorgan University of Agricultural Sciences and  
Natural Resources, Iran

### • KEY PUBLICATIONS

2024 Kalatehjari, P., Sudagar, M., & Paknejad, H. (2024). Effect of various hosts' blood on the reproductive efficiency of the eastern leech (*Hirudo orientalis*). *Animal Environment Journal*, 16(1), 131-138, <http://doi.org/10.22034/AEJ.2023.397274.2972>

2022 Pfordt, V., Kalatehjari, P., Tolksdorf, C., Rauch, B. H., & Müller, C. (2022). Go West: Hirudins and Decorsin/Ornatin-like Platelet Aggregation Inhibitors in Two Representatives of American Hematophagous Leeches. *Parasitologia*, 2(4), 313-325, 5, <https://doi.org/10.3390/parasitologia2040026> Citations: 5

2015 Kalatehjari, P., Yousefian, M., Khalilzadeh, M, A., (2015), Assessment of antifungal effects of copper nanoparticles on the growth of the fungus *Saprolegnia* sp. on White fish (*Rutilus frisii kutum*) eggs, *The Egyptian Journal of Aquatic Research*, December 2015, Vol.41(4):303-306, <http://doi.org/10.1016/j.ejar.2015.07.004> , Elsevier, (Scopus). Citations: 58

## Poster

2013 Kalatehjari, P., (2013), Review on the application of some medicinal plants extracts as an antifungal agent in Aquaculture, 3rd National congress on Agriculture and Aquatic Animals and Food, Boushehr, Iran, 19 & 20 December 2013.

Kalatehjari, P., Yousefian, M., Hoseininia, A., (2013), Introducing metal nanoparticles and their antimicrobial application in Aquaculture, The 1st National Fishery Research organized by Islamic Azad university, Babol branch, Babol, Iran, 26 & 27 February 2013.

2012 Avani, A., Hoseininia, A., Roudbari, S., Hashemi, F., Kalatehjari, P., (2012), The effects of various level of Lysine and L-Carnitin on the growth factors and some blood quality parameters in Rainbow Trout (*Onchorhynchus Mykiss*), The 2nd National conference on the Caspian sea Fisheries Researches, Gorgan, Iran, 30 October 2012.

Kalatehjari, P., Yousefian, M., Hoseininia, A., Hashemi, F., Payam, B., (2012), Review on medical application of nanosilver offer to Aquaculture, Nanotechnology conference organized by Islamoc Azad university, Qaemshahr branch, Qaemshahr, Iran, 15 February 2012.

Payam, B., Yousefian, M., Kalatehjari, P., Hoseininia, A., Hashemi, F., (2012), Effects of nanochemical particles on some histological parameters of *Danio Rerio* (Review), Nanotechnology conference organized by Islamoc Azad university, Qaemshahr branch, Qaemshahr, Iran, 15 February 2012.

Hoseininia, A., Yousefian, M., Hashemi, F., Payam, B., Kalatehjari, P., (2012), Effects of nanochemical materials on fish growth (Review), Nanotechnology conference organized by Islamoc Azad university, Qaemshahr branch, Qaemshahr, Iran, 15 February 2012.

Hashemi, F., Yousefian, M., Payam, B., Kalatehjari, P., Hoseininia, A., (2012), Review on chemical application of nanoscale zero-valent Iron, Nanotechnology conference organized by Islamoc Azad university, Qaemshahr branch, Qaemshahr, Iran, 15 February 2012.

2011 Hoseininia, A., Kalatehjari, P., Yousefian, M., (2011), Nanotechnology and its application in Fishery and Aquaculture development, Agriculture and Natural Resources science organized by Islamic Azad university, Qaemshahr branch, Qaemshahr, Iran, 17 December 2011.

2010 Sudagar, M., Kalatehjari, P., (2010), The effect of Primalac probiotic on reproduction and growth factors of Molly (*Poecilia sphenops*). The 1st National conference on ornamental fish, Tehran, Iran, 21 July 2010.

### • ORGANISATION OF SCIENTIFIC MEETINGS

04/2018 – 04/2018 Presenter in Leech Culture Workshop in Iranian Agricultural and Natural Resources Engineering Organization, Iran

11/2018 – 11/2018 Presenter in Leech Culture Workshop in Gorgan University of Agricultural Sciences and Natural Resources, Iran

### • MEMBERSHIPS OF SCIENTIFIC SOCIETIES

05/2010 – 06/2025 Advisor in Iranian Agricultural and Natural Resources Engineering Organization, IRAN

### • MAJOR COLLABORATIONS

Victoria Pfordt, Pegah Kalatehjari, Celine Tolksdorf, Bernhard H. Rauch and Christian Müller,

Two leech projects, namely on *Haementeria vizottoi* and *Limnobdella Mexicana*, Faculty of Mathematics and Natural Sciences, Department of Animal Physiology, Greifswald University, Germany, Go West: Hirudins and Decorsin/Ornatin-like Platelet Aggregation Inhibitors in Two Representatives of American Hematophagous Leeches.

- **ADDITIONAL SKILLS AND COURSES**

Experienced in designing, performing and publishing the results of research projects

Experienced in field study

Skilled in Leech culture, Microalga Culture, and Artemia culture

Experienced in Molecular Genetics Techniques

Proficiency in Office Software, SPSS and MSTATC

Languages: English B2 (IELTS), German A2 (Basic Proficiency), Persian (Native)