

# Misa Shimizu

## CONTACT INFORMATION

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Address Akademijos Str. 2, Vilnius LT-08412, Lithuania  
Tel. No.: +370 5 272 92 69  
E-mail: [misa.shimizu@gamtc.lt](mailto:misa.shimizu@gamtc.lt)  
<https://orcid.org/0009-0003-9238-5138>

## EDUCATION AND ACADEMIC DEGREE

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2023 Master degree of Science, Wild Animal Biology, Royal Veterinary College, United Kingdom.  
2020 Bachelor of Veterinary Medicine, Department of Veterinary Medicine, College of Bioresource Sciences, Nihon University, Japan.

## RESEARCH INTERESTS

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Parasitology, especially avian haemosporidian parasites with using molecular biological techniques. I researched the prevalence of parasites among captive birds for their ex-situ conservation. Additionally, I studied the genetic diversity and genetic structure of the island birds. Currently, I have developed my interest in host-parasite relationships, focusing on Haemproteus species (Haemosporida, Haemoproteidae) and their genetic diversity using morphological and molecular data.

## PUBLICATIONS

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*Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):*

1. Inumaru, M., Aratani, S., **Shimizu, M.**, Yamamoto, M., Sato, Y., Murata, K. and Valkiūnas, G. (2020). Penguins are competent hosts of Haemoproteus parasites: the first detection of gametocytes, with molecular characterization of Haemoproteus larvae. Parasites & Vectors 13.
2. Inumaru, M., Yamada, A., **Shimizu, M.**, Ono, A., Horinouchi, M., Shimamoto, T., Tsuda, Y., Murata, K. and Sato, Y. (2021). Vector incrimination and transmission of avian malaria at an aquarium in Japan: mismatch in parasite composition between mosquitoes and penguins. Malaria Journal 20.

## PARTICIPATION IN SCIENTIFIC CONFERENCES

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*National scientific conferences:*

1. **Shimizu, M.**, Aratani, S., Inumaru, M., Echigoya, Y., Sato, Y. Prevalence of haemosporidian parasites in captive penguins in Japan in 2018. National Conference „25th Conference of Japanese Society of Zoo and Wildlife Medicine“, 1<sup>st</sup> of September 2019. – Yamaguchi (Japan). Oral Presentation