



Thomas Juhasz-Dora

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ABOUT ME

An aquatic veterinarian and researcher whose professional goal is to develop veterinary and husbandry skillsets that are relevant to the preservation, welfare enhancement, and sustainable utilization of aquatic species on a global scale.

WORK EXPERIENCE

HUNGARIAN UNIVERSITY OF AGRICULTURE AND LIFE SCIENCES, INSTITUTE OF AQUACULTURE AND ENVIRON. SAFETY – BUDAPEST, HUNGARY

RESEARCH FELLOW – 07/05/2025 – CURRENT

- Design and conduct applied research on aquatic invertebrates and fish
- Develop and implement veterinary and biosecurity protocols for cultured fish and invertebrate species
- Author and publish peer-reviewed scientific manuscripts
- Prepare competitive research grant proposals
- Manage research budgets
- Collaborate with interdisciplinary teams to address aquaculture sustainability and health challenges.

BANTRY MARINE RESEARCH STATION – BANTRY, IRELAND

AQUACULTURE HUSBANDRY TECHNICIAN INTERNSHIP – 10/09/2020 – 10/11/2020

Hands on work within a commercial lumpfish hatchery.

- Conduct daily siphoning and feeding.
- Conduct stocking density calculations.
- Vaccinate lumpfish.
- Conduct size and pelvic sucker grading.
- Daily care for sea urchin broodstock in research centre.

ALPENGARNELEN - ALPENAQUAFARM TIROL GMBH – TIROL, AUSTRIA

AQUACULTURE HUSBANDRY TECHNICIAN INTERNSHIP – 04/2020 – 05/2020

Worked to streamline the husbandry protocols to close the lifecycle of *Litopenaeus vannamei* shrimp in a biofloc RAS production system.

- Selecting and establishing broodstock.
- Artificial insemination and spawning of female shrimp.
- Daily feeding and maintenance of broodstock shrimp.

ABU DHABI FALCON HOSPITAL – ABU DHABI, UNITED ARAB EMIRATES

VETERINARY INTERNSHIP – 07/01/2018 – 01/02/2018

Conduct clinical care for different falcon species in a hospital setting.

- Oropharyngeal and cloacal swabbing, blood collection
- Subcutaneous and venal injections
- Endoscopies (air sacs, tracheal)
- Medication preparation and administration
- X rays
- Soft tissue surgeries

DURRELL WILDLIFE CONSERVATION TRUST – ANKARAFANTSIKA, MADAGASCAR

VETERINARY INTERNSHIP – 18/07/2016 – 08/08/2016

Work in the daily operations of the Malagasy plowshare tortoise (*Astrochelys yniphora*) captive breeding programme.

- Parasitology checks.

- Health evaluations of adult and juveniles.
- Blood sampling.

 **MATE AKI HALÁSZATI KUTATÓ KÖZPONT (HAKI) – SZARVAS, HUNGARY**

AQUACULTURE HUSBANDRY TECHNICIAN INTERNSHIP – 11/07/2017 – 01/08/2017

Freshwater aquaculture operation including genetics, nutrition, breeding, and disease management of common carp (*Cyprinus carpio*), pike perch (*Perca lucioperca*), sturgeons (*Acipenser* spp.), Wels catfish (*Silurus glanis*), North American paddlefish (*Polyodon spathula*).

- Perform daily feeding and water quality checks.
- Conduct stocking density calculations and size grading for wels catfish and common carp.
- Assess health checks on gene bank collections of fish.
- Perform health checks on living gene bank collections of fish.
- Assist in artificial spawning.

● EDUCATION AND TRAINING

13/05/2021 – 18/07/2024 Cork, Ireland

PHD, ZOOLOGY University College Cork

29/04/2024 – 14/05/2024 Tigbauan, Ilo Ilo, Philippines

SANDFISH (HOLOTHURIA SCABRA) SEED PRODUCTION, NURSERY AND MANAGEMENT South East Asian Fisheries Development Center (SEAFDEC)

24/08/2021 – CURRENT Ireland

LAST IRELAND EXPERIMENTAL ANIMAL CERTIFICATION 1011167 FISH AND TOADS HPRA

02/03/2021 – CURRENT Ireland

IRISH REGISTERED VETERINARIAN 40/21 Veterinary Council of Ireland





26/08/2015 – 04/03/2021 Budapest, Hungary

DOCTOR OF VETERINARY MEDICINE University of Veterinary Medicine, Budapest

● SKILLS

Microsoft Office (Outlook, Excel, Word, PowerPoint)

● DIGITAL SKILLS TEST RESULTS

 Information and data literacy	ADVANCED	Level 6 / 6
 Communication and collaboration	ADVANCED	Level 6 / 6
 Digital content creation	ADVANCED	Level 5 / 6
 Safety	ADVANCED	Level 6 / 6
 Problem solving	ADVANCED	Level 5 / 6

Results from a [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

● PUBLICATIONS

2024

[Environmental challenge trials induce a biofluorescent response in the green sea urchin *Strongylocentrotus droebachiensis*.](#)

Published in Natures' Scientific Reports.

Juhasz-Dora, T., Lindberg, SK., James, P. et al.

2024

Biofluorescent response in lumpfish *Cyclopterus lumpus* to a therapeutic stressor as assessed by hyperspectral imaging.

Published in Natures' Scientific Reports.

Juhasz-Dora, T., Lindberg, S. K., Karlsen, A., & Ortega, S.

2024

Investigation of biofluorescence produced by the red king crab *Paralithodes camtschaticus*. Aquaculture, Fish and Fisheries

Published in Aquaculture, Fish and Fisheries

Juhasz-Dora, T., Thesslund, T., Maguire, J., Doyle, T. K., & Lindberg, S. K.

2024

Assessing the potential of fluorescence as a monitoring tool for reproductive tissue in selected macroalgae species.

Published in the Journal of Applied Phycology

Juhasz-Dora, T., Lindberg, S. K., James, P., & Wang, X.

2022

First record of biofluorescence in lumpfish (*Cyclopterus lumpus*), a commercially farmed cleaner fish.

Published in Journal of Fish Biology

Juhasz-Dora, T., Teague, J., Doyle, T. K., & Maguire, J.

2024

Hidden in plain sight: hyperspectral documentation of complex biofluorescence produced by the green sea urchin (*Strongylocentrotus droebachiensis*).

Published in Methods and Applications in Fluorescence

Juhasz-Dora, T., James, P., Evensen, T., & Lindberg, S. K.

● **DRIVING LICENCE**

Driving Licence: B

● **HONOURS AND AWARDS**

27/12/2018

Veterinary scholarship – Zebra Foundation for Veterinary Zoological Education

The research project "epidemiological investigation of infectious agent(s) diversity and transmission in the wedge tailed shearwater (*Puffinus pacificus*) and Barau's petrel (*Pterodroma baraui*) populations of Reunion Island, Indian Ocean" was funded in the sum of £ 950-00.

13/11/2017

MSD Animal Health/FVE Veterinary Students Scholarship – FVE- Federation of Veterinarians of Europe

Student scholarship for 5000,00 USD.

16/11/2016

MSD Animal Health/FVE Veterinary Students Scholarship – FVE- Federation of Veterinarians of Europe

Student scholarship for 5000,00 USD.

01/05/2018

Mohamed Bin Zayed Endangered Species Grant – The Mohamed bin Zayed Species Conservation Fund

Conservation status assessment of genus *Paretroplus* and associated endemic fish of Ankarafantsika, Northwestern Madagascar (grant no. 1080514083)

29/04/2019

Mohamed Bin Zayed Endangered Species Grant – The Mohamed bin Zayed Species Conservation Fund

Determining the factors behind the continued persistence of the critically endangered *Paretroplus maculatus* in the Ambalanjanakomby region, western Madagascar(Grant no.192520616).

13/05/2021

Marie Skłodowska-Curie PhD – European Union

Part of the EATFISH aquaculture focused innovation research project (project number 956697)

● **HOBBIES AND INTERESTS**

Personal interests

Hobbies and activities that I enjoy are:

- Gardening and horticulture (particularly rare island plants and succulents).
- Lineolum block printmaking
- Aquariums, particularly brackish water and ecotypes
- Falconry
- Scuba diving
- Swimming