



Europass CV

Personal information

Name: Gyula Kovács

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WORK EXPERIENCE

Hungarian University of Agriculture and Life Sciences (MATE), Institute of Aquaculture and Environmental Safety (AKI), Research Centre for Fisheries and Aquaculture (HAKI), Hungary

Sep 2013 - Present

Head of the in vitro and in vivo ex situ fish gene banks

Specializations:

- fish breeding and genetics
- seed production of Cyprinid fish species
- population genetics studies
- marker-based pedigree analysis
- gene conservation and maintenance of the common carp (*Cyprinus carpio*) and sturgeon ex situ gene banks
- extension work (fish breeding) in temperate and subtropical climate zones

AquaPri (Denmark)

Apr 2013 - Aug 2013

Production assistant

- pikeperch (*Sander lucioperca*) nursing and production in RAS (feeding, system maintenance, etc.)
- daily monitoring of water quality parameters
- rainbow trout (*Oncorhynchus mykiss*) nursing in flow-through as well as recirculation system

Barramundi Asia (Singapore)

Feb 2012 - May 2012

Intern in aquaculture

- pre-nursing of barramundi (*Lates calcalifer*) fry in RAS (feeding, cleaning, monitoring of water quality parameters, etc.)

Temasek Lifesciences Laboratories (Singapore)
Intern in fish genetics

May 2012 - Sep 2012

- performing a growth test between batches of Asian seabass with different genetic background based on parentage analysis
- transcriptome analysis in liver for stress response in Asian seabass (Barramundi)

Research Institute for Fisheries and
Aquaculture (HAKI) Hungary
Project assistant

August 2008 - August 2009

- care of fish in a recirculation system.
- execution of experiments in AQUAMAX project.

Fish Partners (USA)

Trainee in aquaculture

September 2005 – September 2006

- fishery, care of fish, artificial fish propagation and transportation of channel catfish (*Ictalurus punctatus*)

Research Institute for Fisheries and
Aquaculture (HAKI) Hungary
Trainee

March 2004 – September 2005

- participation in an artificial fish propagation and incubation of gynogenetic haploid common carp stocks
- attending in the RESICARP project as an assistant, taking care of fish fry then performing experiments

QUALIFICATIONS

- Driving license: A, B in EU and C in USA
- Certificate in life fish transportation
- Training certificate on operating RAS

INTERESTS

- aquaristics, hiking and biking

EXPERT ACTIVITY

Laos

May - July 2022

- Transport of common carp genetic material (seed) to the selected hatcheries.
- Hatching and fry nursing hands on training to local farmers.
- Training on broodstock management, reproduction and nursing of common carp.

Laos

June - August 2021

- Assessment of common carp genetic resources in Laos.
- Development of provincial hatcheries.

Iran

October 2018

- Training on in vivo gene conservation of common carp in ex situ conditions.
- Design breeding program and performance test for common carp.

Zambia

March 2018

- Assessment of different farm types of indigenous fish species (Chichlids) in the frame of conservation and management of Aquatic Genetic Resources project funded by the FAO.

Uzbekistan

June 2017

- Common carp (*Cyprinus carpio*) nursing and reproduction of African catfish (*Clarias gariepinus*)

EDUCATION

Animal Breeding and Genetics
(MSc)

August 2009-December 2012

Wageningen University and Research Centre (the Netherlands)

Principal subjects and experiences: Animal Breeding and Genetics, Population and Quantitative Genetics, Genomics, Gene Technology, Molecular Biology, Laboratory experience in molecular biology

Plant Cultivation(BSc)

September 2002 – June 2005

Tessedik Samuel College (Hungary)

Principal subjects and experiences: Botany and plant physiology, Plant cultivation, Plant protection, Microbiology, Ecology, Zoology, Animal husbandry, Finance and Accounting

STUDY
RELATED
INFORMATION

The title of my bachelor thesis: "Production and comparative examination of different genetic background of common carp (*Cyprinus carpio*) strains"- that I wrote about my experience in the RESICARP project (at HAKI).

I participated in an agricultural trainee program supported by the Ministry of Agriculture and Rural Development (FVM- Hungary) in the USA in 2005. I gained practical experience as a trainee during the one-year program at a channel catfish farm in Southern California.

The title of my minor thesis: "Comparison of growth in different stocks of Asian seabass (*Lates calcalifer*) using parentage analysis"- that I wrote about my internship project in Singapore.

The title of my master thesis: "Genetic parameter estimation for growth traits in Rainbow trout (*Oncorhynchus mykiss*) using marker-based pedigree"