

Curriculum Vitae

Aristotelis Moulistanos

School of Biology, Faculty of Sciences, Aristotle University of
Thessaloniki (A.U.Th.), Greece

e-mail: amoulist@vo.duth.gr; aristotelism96@gmail.com

Education

Ph.D. in Biology

School of Biology, Faculty of Sciences, Aristotle University of
Thessaloniki

Field of Study: Systems Biology (integration of omics and morphological
data for improvement of aquaculture species), Genomics, Fish
Domestication

Ph.D. Thesis Title: *Investigating growth-related life history traits in
gilthead seabream (*Sparus aurata*) and European seabass (*Dicentrarchus
labrax*) using systems biology*

Start Date: November 8, 2021

Defense Date: July 4, 2025 (awaiting formal conferment)

Grade: Excellent with distinction

M.Sc. in Biology – Specialization: “Applications in Biology” (Track: Genetic Applications and Biodiagnostics)

School of Biology, Faculty of Sciences, Aristotle University of
Thessaloniki

Date of Award: October 6, 2021

Grade: 8.73 / 10

B.Sc. in Biology

School of Biology, Faculty of Sciences, Aristotle University of Thessaloniki

Date of Award: July 23, 2019

Grade: 7.70 / 10

Research Experience

02/2022–02/2025

Project: “*Systems Biology Modelling of Key Life History Traits for Sustainable Aquaculture Production in the Mediterranean Region (SEaLIFT)*”

School of Biology, Aristotle University of Thessaloniki — Funded by H.F.R.I. (Hellenic Foundation for Research and Innovation)

- DNA extraction from fish tissues, amplification of genomic regions via PCR, and genomic analyses.
- RNA extraction and gene expression studies (qPCR and RNAseq).
- Morphological measurements and biological sample collection from fish families across developmental stages.
- Bioinformatic analysis of genetic diversity in candidate regions.
- Biostatistical processing and correlation of genetic diversity, gene expression, and growth data.

05/2021–09/2021

Project: “*ENTOMO4FISH – Insect meals as alternative protein sources in aquafeed diets*”

School of Biology, Aristotle University of Thessaloniki — Funded by NSRF 2014–2020 (Action: Aquaculture – Industrial Materials – Open Innovation in Culture)

- Evaluation of the quality of commercially available insect meals.

- Application of molecular techniques for species identification and traceability.
- Genetic analysis of insect meal samples from the Greek market.

08/2019–12/2019

Project: “*Sustainable Bats Conservation in the Cross-border Area (BATCONSERVE)*”

Access to Genome, Diagnostic Reference Laboratory, Thessaloniki — INTERREG V-A “Greece – Bulgaria 2014–2020”

- Genetic diversity and population structure analysis of bat species in the Rhodope Mountain range.
- Application of molecular markers to support conservation and management strategies for species in Greece and Bulgaria.

Teaching Experience and Scholarships

- **Teaching Assistant (2021–2025):** Participation in undergraduate laboratory courses at the School of Biology, Aristotle University of Thessaloniki; supervision of undergraduate and postgraduate theses.
- **Scholarship (2021–2022):** Awarded by the Research Committee of A.U.Th. (ELKE A.U.Th.) to support educational activities, including supplementary teaching for undergraduate courses.

Publications and Conference Presentations

10 published papers and 17 oral and poster presentations in international and national conferences (abstracts available upon request).

Research Interests

Molecular Biology, Genomics, Systems Biology, Aquaculture Genetics, Domestication Processes, Biodiversity Conservation, Bioinformatics, Gene Expression Analysis.