

SUBASH YADAV AHIR

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PROFILE:

MSc graduate in Aquaculture, specialised in Atlantic cod reproductive and developmental biology, with hands-on experience in fish nutrition, embryogenesis, breeding, and production systems. Experienced in designing & analysing controlled experiments, field sampling, scientific communication, and cross-cultural collaboration.

EDUCATION:

1. MSc Aquaculture, Environment & Society ([ACES-STAR](#)) – (2023 to 25)

Erasmus Mundus Joint Master Degree

University of the Highlands and Islands (Scotland) · University of Crete (Greece) · Université de Nantes (France) · Institute of Marine Research (Norway) | **Final Grade: A**

2. BSc in Fisheries Science | Agriculture and Forestry University, Nepal – (2017 to 22)

CGPA: **3.87/4.00**

RESEARCH & PROFESSIONAL EXPERIENCE:

MSc Thesis: Impact of Light Treatment, Submergence, and Feed Types on Reproductive and Developmental Biology of Farmed Atlantic Cod – (Feb to Jun 2025)

Institute of Marine Research, Austevoll station, Norway | [Maturation-free cod in sea cages Project](#)

- Monitored four treatment groups with three replications; compared reproductive performance of farmed vs. wild cod
- Investigated early maturation and egg/larval quality in *Gadus morhua* under varied photoperiods, submergence, and feed types in sea-cage conditions
- Applied statistical analyses to evaluate treatment effects and biological significance.

Internship: Aquaculture Operations Management – (Jun to Sept 2024)

LAMAR S.A., Rhodes, Greece

- Assisted farm manager in daily operations of marine fish farming (*Sparids*)
- Monitored feeding, water quality, and health status of stock in sea-cages

Undergraduate LEE (Learning by Entrepreneurial Experience) program: 'Carp Polyculture in an Earthen Pond' – (Aug to Dec 2022) | Agriculture and Forestry University, Nepal

- Applied ecological principles of species interactions and resource partitioning in polyculture systems. | DOI: [10.13140/RG.2.2.15303.51369](https://doi.org/10.13140/RG.2.2.15303.51369)
- Worked on complete cycle from stocking to harvesting, earned 55% net profit.

PUBLICATIONS & ARTICLES:

- Alix M, Yadav Ahir S, Geitung L, Perrichon P, Fraser T, Fjellidal PG, van der Meeren T, Harboe T, Utskot SO, Nola V, Oppedal F, Dempster T, Norberg B (2025). *Reproductive biology and offspring development success in farmed cod are affected by nutrition, light and submergence*. AQUA 2025, 22–25 September, Valencia, Spain (Conference).
- Ahir, S. (2023) “Comparative Study of Growth and Survival of Nile Tilapia (*Oreochromis niloticus*) on Different Feed Types”, Nepalese Veterinary Journal, 38(1), pp. 170–178. DOI: [10.3126/nvj.v38i1.55861](https://doi.org/10.3126/nvj.v38i1.55861) (Peer-reviewed).
- [Breaking down the barriers for the UK's seaweed sector](#)
- [Can aquaculture and tourism be compatible in Greece?](#)

TECHNICAL & RESEARCH SKILLS:

Experimental design & statistical analysis | Hatchery & broodstock management | Reproductive assessments (gonadal staging, egg & larval quality) | USG (sex determination) | Feed formulation & water quality testing | Biochemical analysis (fat, protein isolation, hematocrit) | GC-MS & LC-MS data annotation | Histology (sample prep & imaging) | Microbiology (isolation, culture, agglutination) | Molecular techniques (staining, gel electrophoresis, DNA extraction, BLASTn, phylogenetic trees) | Plankton, benthos & sediment sampling | Fisheries & EIA surveys | GIS tools (QGIS, GPS mapping) | Scientific writing & communication

PARTICIPATION & TRAINING:

- [BBT Baltic Hackathon](#), Borucino, Poland (June 2025): tackled the challenge “How can we make RAS production in the Baltic area sexy?”
- SSIA Seaweed Conference (2023), Scotland
- Association of Scottish Shellfish Growers (ASSG) conference (2023), Scotland
- Field assistant, Periphyton & Polyculture trials (2018; USAID AquaFish, Nepal)
- Captive aquarium breeding of ornamental fishes (Betta, Guppy, Colisa, Goldfish, Molly) under National Fisheries Students Association (NAFSA) programs.

AWARDS & HONORS:

- Erasmus Mundus Scholarship for ACES-STAR Joint Master’s Degree (2023 to 25)
- Full Scholarship in BSc Fisheries at Agriculture & Forestry University, Nepal (2017 to 22)

REFEREE(S):

Dr Helena Reinardy

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Maud Alix, Ph.D.

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