

Short CV – Peter Vilhelm Skov

Degrees

- PhD, School of Biomedical Sciences, University of Queensland, Australia (2004).
- MSc, Institute for Biology, University of Copenhagen, Denmark (2000).

Positions

- Associate Professor, DTU Aqua, Technical University of Denmark (2009-present).
- Post-doctoral Research Fellow, Institute for Biology, University of Copenhagen (2004-2008).

Research area

Bioenergetics of fish in aquaculture: Dietary requirements, utilization of energy intake, effects of environmental and water quality perturbations on energy partitioning and fuel use, application of exercise in fishes, metabolism, activity levels, robustness, dominance, growth. Dissolved gases in aquaculture: Methods, efficiency and operational costs of aeration and degassing installations. Significance of gas saturation levels on production.

Distinctions and awards

Carlsberg Foundation, Postdoctoral stipend (2007-2008).

Memberships of scientific committees, 2011-present

- Head of the Institute Study Board (2010-present).
- Management committee member COST Action FitFish FA1304.

Review, 2011-present

Reviewer for The Netherlands Organisation for Scientific Research (NWO), project evaluator for Fornyelsesfonden (eng. Innovation Fund) under the Danish Business Authority, Chairman of PhD assessment committee (DTU Aqua), Chairman of assessment committee for senior scientist applicants (DTU Aqua), reviewer for 20+ international journals including Aquaculture, Aquaculture Research, Aquaculture Nutrition, Journal of Fish Biology, Comparative Biochemistry and Physiology, Proceedings of the Royal Society B, etc.

Peer reviewed publications: 37. **Reports:** 6. **International conferences:** 15.

Educational tasks, 2011-present

DTU courses: 25316 Recirculating Aquaculture Systems (Responsible); 25321 Fish Nutrition and Bioenergetics (Responsible); 25306 Aquaculture – Applied Biology (Responsible); KU028 Applied Marine and Freshwater Ecology (Contributor).

Supervision, 2011-present

PhD students: 2 (Main Supervisor); 4 (Co-supervisor). **Master students:** 2 (Main Supervisor).

Postdocs: 1 (Main Supervisor).

Grants, 2011-present

- DANIDA: Sustainable Fish Feed Development in Ghana (2014-2017, Danish Project Leader).
- Danish Research Council (FTP): Effects of CO₂ in land-based Salmon production (2016-2018).
- GUDP: Offshore Aquaculture (2013-2015).
- GUDP: Live transport and storage of Norway lobster (2013-2015).
- European Fisheries Fund (EFF): Improved farming technology for optimised production: water quality and disease prevention in model trout farms.
- EU FP7 (ANIHWA): Welfare, Health and Individuality in Farmed Fish (2015-2018).

Research collaboration with stakeholders, 2011-present

Several research projects with industrial stakeholder participation.

Five selected publications

- Skov PV, Lund I, Pargana AM. (2015). No evidence for a bioenergetics advantage from forced swimming in rainbow trout under a restrictive feeding regime. *Frontiers in Physiology*, 6, 31.
- Rolland M, Dalsgaard J, Holm J, Gómez-Requeni P, Skov PV. (2015). Dietary methionine level affects growth performance and hepatic gene expression of GH-IGF system and protein turnover regulators in rainbow trout (*Oncorhynchus mykiss*) fed plant protein-based diets. *Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology*, 181, 33-41.
- Skov PV, Pedersen L-F, Pedersen PB. (2013). Nutrient digestibility and growth in rainbow trout (*Oncorhynchus mykiss*) are impaired by short term exposure to moderate supersaturation in total gas pressure. *Aquaculture* 416-417, 179-184.
- Ekman KS, Dalsgaard J, Holm J, Campbell PJ, Skov PV. (2013). Effects of dietary energy density and digestible protein:energy ratio on de novo lipid synthesis from dietary protein in gilthead sea bream (*Sparus aurata*) quantified with stable isotopes. *British Journal of Nutrition* 110, 1771-1781.
- Frisk M, Steffensen JF, Skov PV. (2013). The effects of temperature on specific dynamic action and ammonia excretion in pikeperch (*Sander lucioperca*). *Aquaculture*, 404-405, 65-70.