

Short CV – Anne Johanne Tang Dalsgaard

Degrees

- PhD, Faculty of Science, University of Copenhagen, Denmark (2003).
- MSc, RMES, University of British Columbia, Canada (1999).

Positions

- Senior Researcher, DTU Aqua, Technical University of Denmark (2012-present).
- Research Scientist, DTU Aqua (2008-2012).
- Research Assistant, Danish Institute for Fisheries Research (DIFRES) (2003-2008).

Research area

Fish nutrition in aquaculture and characterization of excreted nutrient waste including waste composition and form. Recirculating aquaculture systems (RAS), end-of-pipe treatment, and modeling of nutrient discharge from trout farms.

Distinctions and awards

Best Young Scientist, ICES Annual Science Conference, Cascais, Portugal (1998).

Memberships of scientific committees, 2011-present

Scientific Advisory Board member, Centre of Research-based Innovation in Closed-Containment Aquaculture (CtrlAQUA, Nofima, Norway) (2015-present); Chairman for one PhD assessment committee, DTU Aqua (2015); Aquacultural Engineering Society Board member (2012-2014).

Review, 2011-present

- Aquacultural Engineering Guest Editor (2011-2012; 2013-2014; 2015-present).
- External expert for the Research Council of Norway (Aquaculture Programme, 2012).
- Referee for a large number of international journals incl. Aq. Eng., ANIFEE, Aquaculture, Estuarine, Coastal and Shelf Sci., J. Appli. Ani. Res., J. Fish Biol., J. Mar. Bio. Ass., J. World Aq. Soc.

Peer reviewed publications: 27. Books and book chapters: 1. Reports: 32. International conferences: 6.

Advisory tasks, 2011-present

Member of Help Desk for Aquaculture, Danish Ministry of Food, Agriculture and Fisheries (2010-2014).

Educational tasks, 2011-present

25316 Recirculating Aquaculture Systems (Contributor), DTU; Husdyrernæring, Agrobiologi (external lecturer), AU; RAS study group (responsible, special course, 2014).

Supervision, 2011-present

PhD students: 1 (Main Supervisor); 3 (Co-supervisor). **Master students:** 1 (Main Supervisor).

Postdocs: 1 (Main Supervisor).

Grants, 2011-present

- Innovation Fund Denmark: New physicochemical and technological approach for high quality and sustainable fish feed production (2014-2018, PI).
- European Fisheries Fund: Development of sustainable technologies and modeling tools in aquaculture aiming at increasing overall production (2012-2015, Coordinator).
- European Fisheries Fund: Best available technology applicable to traditional pond farms (2012-2015, PI).
- Nordic Council of Ministers: Nordic network and conference on Recirculating Aquaculture Systems (2011, 2013, 2015, Coordinator).

Research collaboration with stakeholders, 2011-present

BioMar, Danish Aquaculture Association, Lundby Fish Farm, Danish municipal "ERFA" aquaculture meetings.

Five selected publications

Letelier-Gordo CO, Dalsgaard J, Suhr KI, Ekmann KW, Pedersen PB. (2015). Reducing the dietary protein:energy (P:E) ratio changes solubilization and fermentation of rainbow trout (*Oncorhynchus mykiss*) faeces. *Aquacultural Engineering*. 66, 22-29.

Dalsgaard J, Bach, Knudsen, KE, Verlhac V, Ekmann K, Pedersen PB. (2014). Supplementing enzymes to extruded, soybean based diet improves breakdown of non-starch polysaccharides in rainbow trout (*Oncorhynchus mykiss*). *Aquaculture Nutrition*.

Dalsgaard J, Lund I, Thorarinsdottir R, Drengstig A, Arvonen K, Pedersen PB. (2013). Farming different species in RAS in Nordic countries: Current status and future perspectives. *Aquacultural Engineering*. 53, 2-13.

Larsen BK, Dalsgaard J, Pedersen PB. (2012). Effects of plant protein on postprandial, free plasma amino acid concentrations in rainbow trout (*Oncorhynchus mykiss*). *Aquaculture*. 326-329, 90-98.

Dalsgaard J, Pedersen PB. (2011). Solid and suspended/dissolved waste (N, P, O) from rainbow trout (*Oncorhynchus mykiss*). *Aquaculture*. 313(1-4), 92-99.