

Short CV – Pernille Nielsen

Degrees

- PhD, Marine Biological Section, University of Copenhagen, Denmark (2014).
- MSc, Institute of Biology and Chemistry, Roskilde University, Denmark (2005).

Positions

- Researcher, DTU Aqua, Technical University of Denmark (2016-present).
- Research Assistant, DTU Aqua (2013-2015).
- Biologist and Project Leader, Danish Shellfish Center (2011-2012).

Research area

Environmental impact and management of mussel fisheries, bioenergetics of mussels, mussel farming practice, environmental impact of mussel farming.

Memberships of scientific committees, 2011-present

Member of the Danish Mussel Committee (2013-present).

Peer reviewed publications: 6. Reports: 10. International conferences: 1.

Advisory tasks, 2011-present

Project leader of advisory activities associated with environmental impact assessments and general advice regarding shellfish fishery and aquaculture for the Danish Ministry of Environment and Food incl. verbal and written briefings of the Danish Agrifish Agency. Participation in national advisory meetings.

Grants, 2011-present

- Ministry of Environment and Food of Denmark and European Maritime and Fisheries Fund: Management of mussel fishery in relation to protected habitats in Horsens Fjord and the Lillebælt (2016-2017, PI).
- Ministry of Environment and Food of Denmark, European Maritime and Fisheries Fund: Management plan for the development of sustainable fisheries for clams and oysters in the Danish Wadden Sea (2016-2018, Project Coordinator).
- Ministry of Environment and Food of Denmark: Long-term management plans for mussel production (2012-2014, PI).
- Danish Council for Strategic Research: Production of mussels: Mitigation and feed for husbandry (2010-2013, PI).

Research collaboration with stakeholders, 2011-present

Various national consultation and coordination with industry, NGO's and authorities. Member of the Mussel Committee under the Ministry of Environment and Food of Denmark. Various research projects with stakeholder participation.

Five selected publications

Nielsen P, Cranford PJ, Maar M, Petersen JK. (2016). Magnitude, spatial scale and optimization of ecosystem services from a nutrient extraction mussel farm in the eutrophic Skive Fjord, Denmark. *Aquaculture Environment Interactions* 8, 311–329. 10.3354/aei00175.

Petersen JK, Saurel C, Nielsen P, Timmermann K. (2016). The use of shellfish for eutrophication control. *Aquaculture International* 24, 857–878.10.1007/s10499-015-9953-0.

Nielsen P, Vismann, B. (2014). Clearance Rate of *Mytilus edulis* (L.) as a Function of Current Velocity and Mussel Aggregation. *Journal of Shellfish Research*, 33(2), 457–463. 10.2983/035.033.0214.

Petersen JK, Hasler B, Timmermann K, Nielsen P, Tørring DB, Larsen MM, Holmer M. (2014). Mussels as a tool for mitigation of nutrients in the marine environment. *Marine Pollution Bulletin*. 10.1016/j.marpolbul.2014.03.006.

Strand A, Blanda E, Bodvin T, Davids JK, Jensen LF, Holm-Hansen TH, Jelmert A, Lindegarth S, Mortensen S, Moy FE, Nielsen P, Norling P, Nyberg C, Christensen HT, Visman B, Holm MW, Hansen BW, Dolmer P. (2012). Impact of an icy winter on the Pacific oyster (*Crassostrea gigas* Thunberg, 1793) populations in Scandinavia. *Aquatic Invasions*, 7(3), 433–440. 10.3391/ai.2012.7.3.014.