

Short CV – Camille Saurel

Degrees

- PhD, University of Wales, Bangor, UK (2008).
- MSc, University of Wales, Bangor, UK (2002).

Positions

- Senior Researcher, DTU Aqua, Technical University of Denmark (2014-present).
- Postdoc, New University of Lisbon (FCT-UNL), Monte de Caparica, Portugal (2008-2014).
- Research Assistant, Bangor University, UK (2002-2006).

Research area

Ecological impact of mussel populations in coastal waters incl. benthic-pelagic coupling and biological and physical processes in the coastal zone. Ecological modelling and DEB-modelling in relation to mussels and oysters and production of these, mussel aquaculture. Mussel population structure and monitoring methods, environmental impact of mussel production.

Distinctions and awards

Postdoc, New University of Lisbon (FCT-UNL), Monte de Caparica, Portugal (2008-2014).

Review, 2011-present

Referee for a large number of international journals including Limnology and Oceanography, PLOS ONE, Aquaculture Environment Interactions, Hydrobiologia, Marine and Freshwater Research, Journal of Geophysical Research.

Peer reviewed publications: 14. Books and book chapters: 1. Reports: 4. International conferences: 12.

Advisory tasks, 2011-present

- Participant to The Road Map for the Mauritian Ocean Economy, Mauritius (2013).
- Delivering data for the environmental and food industries from DTU Aqua.

Educational tasks, 2011-present

Lectures undergraduate and MSc courses on ecological modelling and environmental engineering FCT-UNL Lisbon (2011-2014).

Supervision, 2011-present

Master students: 1 (Main Supervisor).

Grants, 2011-present

- H2020: BG2 Climate Change – CERES. Coordinator: Myron Peck University of Hamburg (2016, Participant).
- GUDP: Mussel season prolongation (FOMUS) (2015-2018, PI).
- EMFF: New methods and models for population estimates of mussels. Coordinator J.K. Petersen (2014-2015, Participant).
- EMFF. Starfish - power and management (Søstjerner). Coordinator J.K. Petersen, DTU Aqua (2014-2015, Participant).
- Gulf of Mexico Carrying Capacity – NOAA. Coordinator: U. Washington, USA (2013-2014, Participant).
- REServ – NOAA/EPA. Coordinator: NOAA/EPA, USA (2012-2013, Participant).
- Samish Island Carrying Capacity Study - NOAA. Concluded. Coordinator: PSI, USA (2011-2013, Participant).
- EAMNET – EU Framework VII. Coordinator: S.N. Groom, Plymouth Marine Laboratory, U.K (2010-2013, Participant).
- COEXIST – EU Framework VII. (2010-2013). Coordinator: Ø. Bergh, IMR, Norwa (2010-2013, Participant).

Research collaboration with stakeholders, 2011-present

- GUDP: Mussel season prolongation (FOMUS) (2015-2018, PI).
- GUPD: STARPRO. Coordinator J.K. Petersen, DTU Aqua (2015-2018, Participant).
- EMFF: New methods and models for population estimates of mussels. Coordinator J.K. Petersen (2014-2015, Participant).
- EMFF: Starfish - power and management (Søstjerner). Coordinator J.K. Petersen, DTU Aqua (2014-2015, Participant).
- Samish Island Carrying Capacity Study - NOAA. Concluded. Coordinator: PSI, USA (2011-2013, Participant).

Five selected publications

Petersen JK, Saurel C, Nielsen P, Timmermann K. (2015). The use of shellfish for eutrophication control. *Aquacult Int.* DOI 10.1007/s10499-015-9953-0

Maar M, Saurel C, Landes A, Dolmer P, Petersen JK. (2015). Growth potential of blue mussels (*M. edulis*) exposed to different salinities evaluated by a Dynamic Energy Budget model. *Journal of Marine Systems* (ISSN: 0924-7963) (DOI: <http://dx.doi.org/10.1016/j.jmarsys.2015.02.003>), 148, 48-55.

Ferreira JG, Saurel C, Lencart e Silva JD, Nunes JP, Vazquez F. (2014). Modelling of interactions between inshore and offshore aquaculture. *Aquaculture* (ISSN: 0044-8486) (DOI: <http://dx.doi.org/10.1016/j.aquaculture.2014.01.030>), 426, 154-164.

Saurel C, Ferreira JG, Cheney D, Suhrbier A, Dewey B, Davis J, Cordell J. (2014). Ecosystem goods and services from Manila clam culture in Puget Sound: a modelling analysis. *Aquaculture Environment Interactions* (ISSN: 1869-215X) (DOI: <http://dx.doi.org/10.3354/aei00109>), 5, 255-270.

Saurel C, Petersen JK, Wiles P, Kaiser MJ. (2013). Turbulent mixing limits mussel feeding: direct estimates of feeding rate and vertical diffusivity. *Marine Ecology Progress Series*. 485, 105-121.