Carlos Octavio Letelier-Gordo - DTU Orbit (18/02/2018)

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Section for Aquaculture

Publications:

**Denitrification in saltwater recirculating aquaculture systems (RAS) using an up-flow sludge bed reactor (USB)**

Publication: Research › Conference abstract in proceedings – Annual report year: 2017

**"End-of-Pipe treatment" y "residual resource"**
Letelier-Gordo, C. O. 2017 In : Salmonexpert. 47, 7, p. 50-56

Publication: Research › Journal article – Annual report year: 2017

**Performance of a marine activated sludge system for N removal using external and internal carbon sources**

Publication: Research › Conference abstract in proceedings – Annual report year: 2017

**The composition of readily available carbon sources produced by fermentation of fish faeces is affected by dietary protein:energy ratios**

Publication: Research - peer-review › Journal article – Annual report year: 2017

**Transforming waste into new resources: optimizing sludge hydrolysis to improve nitrogen removal in aquaculture through denitrification**

Publication: Research › Ph.D. thesis – Annual report year: 2017

**Anaerobic digestion of solid waste in RAS: Effect of reactor type on the biochemical acidogenic potential (BAP) and assessment of the biochemical methane potential (BMP) by a batch assay**

Publication: Research - peer-review › Journal article – Annual report year: 2015

**Feed composition affects sludge as a resource for denitrification**

Publication: Research › Conference abstract in proceedings – Annual report year: 2015

**Reducing the dietary protein: Energy (P: E) ratio changes solubilization and fermentation of rainbow trout (Oncorhynchus mykiss) faeces**

Publication: Research - peer-review › Journal article – Annual report year: 2015

**Single-sludge denitrification in recirculating aquaculture systems: effects of pre-fermentation and pH**
Effective harvesting of the microalgae Chlorella protothecoides via bioflocculation with cationic starch.
Publication: Research - peer-review › Journal article – Annual report year: 2014

Effects of dietary protein: energy ratios on hydrolysis and fermentation of faecal solids from rainbow trout (Oncorhynchus mykiss) for denitrification
Publication: Research › Conference abstract for conference – Annual report year: 2014

Single-sludge denitrification in recirculating aquaculture systems: Effects of pre-fermentation and pH
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2014

High effective harvesting of microalgae Chlorella protothecoides via flocculation with cationic starch
Publication: Research › peer-review › Journal article – Annual report year: 2013

Projects:

Cost efficient solutions for reducing the waste discharged in land-based marine recirculating aquaculture systems (WASTE-TREAT) (39190)
Letelier-Gordo, C. O., Pedersen, P. B. & Fernandes, P.
15/08/2014 → 01/09/2017
Project

Environmentally effective nitrogen removal in fish farming using sludge hydrolysis (wiN-wiN) (39119)
01/08/2013 → 31/12/2016
Project

Optimized sludge hydrolysis and improved nitrogen removal through denitrification
15/04/2013 → 15/03/2017
Project: PhD

Development of sustainable technologies and modeling tools in aquaculture aiming at increasing overall production (UDTÆNK) (39030)
09/07/2012 → 31/05/2015
Project

Marine model trout farms (38816)
01/01/2011 → 31/12/2015
Project