Bodil Katrine Larsen - DTU Orbit (10/02/2018)

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Section for Aquaculture

Publications:

**Combined effects of microplastics and chemical contaminants on the organ toxicity of zebrafish (Danio rerio)**
Publication: Research - peer-review › Journal article – Annual report year: 2018

**A comprehensive approach to assess feathermeal as an alternative protein source in Aquafeed**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Carryover of CH₃Hg from feed to sea bass and salmon**
Publication: Research › Poster – Annual report year: 2017

**Carryover of methylmercury from feed to seabass and salmon**
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Fishmeal with different levels of biogenic amines in Aquafeed: Comparison of feed protein quality, fish growth performance, and metabolism**
Publication: Research - peer-review › Journal article – Annual report year: 2017

**Stress and recovery from trawl capture of Norway lobster (Nephrops norvegicus) and potential for live storage**
Skov, P. V., Methling, C., Larsen, B. K., Unmack, C. P., Karlisen, J. D. & Behrens, J. 2017
Publication: Research › Conference abstract for conference – 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

**The influence of microplastic inclusion in feed on carryover of environmental pollutants from feed to seabass and salmon**
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

**Toxicity of emerging chemical contaminants evaluated in vivo with classic and alternative approaches using the zebrafish animal model**
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017
Effects of dietary microplastic exposure on the organ toxicity of a mixture of chemical contaminants in zebrafish
Publication: Research › Poster – Annual report year: 2016

Increasing levels of dietary crystalline methionine affect plasma methionine profiles, ammonia excretion, and the expression of genes related to the hepatic intermediary metabolism in rainbow trout (Oncorhynchus mykiss)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Improved growth performance in rainbow trout Oncorhynchus mykiss reared at high densities is linked to increased energy retention
Publication: Research - peer-review › Journal article – Annual report year: 2015

High oxygen consumption rates and scale loss indicate elevated aggressive behaviour at low rearing density, while elevated brain serotonergic activity suggest chronic stress at high rearing densities in farmed rainbow trout Oncorhynchus mykiss
Publication: Research - peer-review › Journal article – Annual report year: 2013

Influence of inclusion level and form of dietary methionine in plant protein based diets on growth performances, ammonium excretion and postprandial methionine plasma levels in rainbow trout (Oncorhynchus mykiss).
Rolland, M., Larsen, B. K., Holm, J., Dalsgaard, A. J. T. & Skov, P. V. 2013
Nitrogen waste load from juvenile rainbow trout (Oncorhynchus mykiss)
Dalsgaard, A. J. T., Larsen, B. K. & Pedersen, P. B. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Nutritional value of mussel meal in fish feed: a sustainable, high-quality protein source
Publication: Research › Poster – Annual report year: 2013

Perfluorinated compounds in fish and carryover from fishfeed to farmed rainbow trout
Granby, K., Larsen, B. K. & Cederberg, T. L. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

The effect of tryptophan supplemented diets on brain serotonergic activity and plasma cortisol under undisturbed and stressed conditions in grouped-housed Nile tilapia Oreochromis niloticus
Publication: Research - peer-review › Journal article – Annual report year: 2013

Effects of plant proteins on postprandial, free plasma amino acid concentrations in rainbow trout (Oncorhynchus mykiss)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of stocking density and sustained aerobic exercise on growth, energetics and welfare of rainbow trout
Publication: Research - peer-review › Journal article – Annual report year: 2011

Influence of protein source on amino acid uptake patterns and protein utilization in rainbow trout Oncorhynchus mykiss
Rolland, M., Holm, J., Dalsgaard, A. J. T., Larsen, B. K. & Skov, P. V. 2012
Publication: Research › Conference abstract for conference – Annual report year: 2012

The effects of stocking density and low level sustained exercise on the energetic efficiency of rainbow trout (Oncorhynchus mykiss) reared at 19°C
Publication: Research - peer-review › Journal article – Annual report year: 2011

An estrogen-responsive plasma protein expression signature in Atlantic cod (Gadus morhua) revealed by SELDI-TOF MS
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of rearing density and water current on the respiratory physiology and haematology in rainbow trout, Oncorhynchus mykiss at high temperature
Publication: Research - peer-review › Journal article – Annual report year: 2011

Chronic exposure of adults and embryos of Pandalus borealis to oil causes PAH accumulation, initiation of biomarker responses and an increase in larval mortality
Publication: Research - peer-review › Journal article – Annual report year: 2010
Organic vegetable proteins and oil in feed for organic rainbow trout (Oncorhynchus mykiss)
Lund, I., Dalsgaard, A. J. T., Jokumsen, A. & Larsen, B. K. 2010
Publication: Research › Poster – Annual report year: 2010

Enzymatic and cellular responses in relation to body burden of PAHs in bivalve molluscs: A case study with chronic levels of North Sea and Barents Sea dispersed oil
Publication: Research - peer-review › Journal article – Annual report year: 2009

Relating biomarkers to whole-organism effects using species sensitivity distributions: a pilot study for marine species exposed to oil
Publication: Research - peer-review › Journal article – Annual report year: 2009

DNA damage in mussels following exposure to three potential endocrine disruptors using the comet assay and the alkaline unwinding assay
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2008

BioSea Joint Industry project – development of a global biomonitoring tool for the petroleum industry offshore
Comparison of protein expression in plasma from nonylphenol and bisphenol A exposed juvenile Atlantic cod (Gadus morhua) and turbot (Scophthalmus maximus)
Larsen, B. K., Bjørnstad, A., Sundt, R. C., Taban, I. C., Pampanin, D. M. & Andersen, O. K. 2006 In : Aquatic Toxicology. 78, p. S25-33

Preliminary study of responses in mussel (Mytilus edulis) exposed to bisphenol A, diallyl phthalate and tetrabromodiphenyl ether

The BEEP Stavanger Workshop: Mesocosm exposures
Sundt, R. C., Pampanin, D. M., Larsen, B. K., Brede, C., Herzke, D., Bjørnstad, A. & Andersen, O. K. 2006 In : Aquatic Toxicology. 78, Suppl. 1, p. S5-S12

The potential of ecotoxicoproteomics in environmental monitoring; biomarker profiling in mussel plasma using proteinchip array technology

A proteomic (SELDI-TOF MS) approach to ecotoxicological research
Lyng, E., Larsen, B. K., Bjørnstad, A., Pampanin, D. M. & Andersen, O. K. 2005

BIOSEA JIP – development of a global biomonitoring tool for the petroleum industry offshore

Biochemical and histological responses in mussel (Mytilus edulis) exposed to North Sea oil and to a mixture of North Sea oil and alkylphenols

DNA damage in mussels following exposure to three potential endocrine disruptors using the comet assay and the alkaline unwinding assay

Assessment of DNA damage in mussels, crabs and fish

Effect of cortisol and urea on flavin monooxygenase activity and expression in rainbow trout, Oncorhynchus mykiss
El-Alfy, A., Larsen, B. K. & Schlenk, D. 2002 In : Marine Environmental Research. 54, 3-5, p. 275-278

Effect of Salinity on Flavin-containing Monooxygenase expression and activity in rainbow trout (Oncorhynchus mykiss)
Larsen, B. K. & Schlenk, D. 2001 In : Journal of Comparative Physiology B. 171, 5, p. 421-429
Effect of urea and low temperature on the expression and activity of flavin-containing monooxygenase in the liver and gill of rainbow trout (Oncorhynchus mykiss)
Larsen, B. K. & Schlenk, D. 2001 In : Fish Physiology & Biochemistry. 25, 1, p. 19-29
Publication: Research - peer-review » Journal article – Annual report year: 2001

Target organ toxicity in the kidney
Publication: Research - peer-review » Book chapter – Annual report year: 2001

Estrogenic and CYP1A response of mummichogs and sunshine bass to sewage effluent
Publication: Research - peer-review » Journal article – Annual report year: 2000

Extra and Intracellular acid-base balance and ionic regulation in cod (Gadus morhua) during combined and isolated exposures to hypercapnia and copper
Publication: Research - peer-review » Journal article – Annual report year: 1997

Influence of ionic composition on acid-base regulation in rainbow trout (Oncorhynchus mykiss) exposed to environmental hypercapnia
Publication: Research - peer-review » Journal article – Annual report year: 1997

Effects of freshwater to seawater transfer on osmoregulation, acid base balance and respiration in river migrating whitefish (Coregonus lavaretus)
Publication: Research - peer-review » Journal article – Annual report year: 1996

Arterial PO2, acid-base status, and red cell nucleoside triphosphates in rainbow-trout transferred from fresh water to 20-percent sea water
Publication: Research - peer-review » Journal article – Annual report year: 1993

Projects:

Resource efficiency in practice: from sugar beet waste to fish feed ingredient (Starfish) (39368)
Dalsgaard, A. J. T., Larsen, B. K., Skov, P. V. & de Jesus Gregersen, J.
01/08/2016 → 31/07/2019
Project

HPLC – Implementation of new analytical methods (39227)
Larsen, B. K.
01/01/2016 → …
Project

Proteins of the future in feed for recirculating aquaculture systems (ProffAqua) (39274)
Larsen, B. K., Larsen, O. M., Jensen, R. F., Vega, V. V., Sproegel, U. & Møller, B.
01/02/2015 → 31/12/2017
Project

New physicochemical and technological approach for high quality and sustainable fish feed production (Exipro) (39189)
Dalsgaard, A. J. T., Larsen, B. K. & Vega, V. V.
01/09/2014 → 31/12/2017
Sustainable fish feed development in Ghana (Susfeed) (39158)
Skov, P. V., Lund, I. & Larsen, B. K.
01/04/2014 → 31/03/2017

ECSafeSEAFOOD. Priority environmental contaminants in seafood: safety assessment, impact and public perception
Granby, K., Sloth, J. J., Larsen, B. K. & Rasmussen, R. R.
15/02/2013 → 15/02/2017

Priority environmental contaminants in seafood: Safety assessment, impact and public perception (ECSafeSEAFOOD) (39039)
Larsen, B. K., Larsen, O. M. & Jensen, R. F.
15/02/2013 → 15/02/2017

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

HPLC and amino acids uptake patterns in fish fed plant-based protein (38803)
Larsen, B. K., Skov, P. V., Dalsgaard, A. J. T., Pedersen, P. B. & Rolland, M.
01/01/2011 → 31/12/2015

Local raw materials for production of fish feed for aquaculture (38840)
Larsen, B. K.
01/01/2011 → 31/08/2014

Strategies to improve health and welfare in rainbow trout farming (38193)
Jokumsen, A., Höglund, E., Larsen, B. K., Skov, P. V. & McKenzie, D. D.
01/01/2007 → 31/12/2010