Ivar Lund - DTU Orbit (10/02/2018)

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**Publications:**

- **Crosstalk between innate immunity and circadian rhythm: Do fish immune defences have a sense of time?**
  Publication: Research › Poster – Annual report year: 2017

- **Effects of dietary digestible protein and energy levels on growth performance, feed utilization, and body composition of juvenile permit, Trachinotus falcatus (Linnaeus, 1758)**
  Publication: Research - peer-review › Journal article – Annual report year: 2017

- **Rhythmicity and plasticity of digestive physiology in a euryhaline teleost fish, permit (Trachinotus falcatus)**
  Publication: Research - peer-review › Journal article – Annual report year: 2017

- **Long-term tryptophan supplementation decreased the welfare and innate immune status of pikeperch juveniles**
  Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2016

- **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

- **Humoral and mucosal defense molecules rhythmically oscillate during a light–dark cycle in permit, Trachinotus falcatus**
  Publication: Research - peer-review › Journal article – Annual report year: 2015

- **No evidence for a bioenergetic advantage from forced swimming in rainbow trout under a restrictive feeding regime**
  Publication: Research - peer-review › Journal article – Annual report year: 2015

- **Dietary LC-PUFA deficiency early in ontogeny induces behavioural changes in pike perch (Sander lucioperca) larvae and fry**
  Publication: Research - peer-review › Journal article – Annual report year: 2014

- **Influence of dietary lipid and protein sources on the sensory quality of organic rainbow trout (Oncorhynchus mykiss) after ice storage**
  Publication: Research - peer-review › Journal article – Annual report year: 2012

- **Robustfish: New possibilities for growth and robustness in organic aquaculture**
  Publication: Research › Poster – Annual report year: 2014

- **Effects of organic plant oils and role of oxidation on nutrient utilization in juvenile rainbow trout (Oncorhynchus mykiss)**
  Publication: Research - peer-review › Journal article – Annual report year: 2012
Farming different species in RAS in Nordic countries: Current status and future perspectives
Publication: Research - peer-review › Journal article – Annual report year: 2012

Feed intake as explanation for density related growth differences of common sole Solea solea
Publication: Research - peer-review › Journal article – Annual report year: 2013

Organic plant ingredients in the diet of Rainbow trout (Oncorhynchus mykiss): Impact on fish muscle composition and oxidative stability
Publication: Research - peer-review › Journal article – Annual report year: 2013

Dietary supplementation of essential fatty acids in larval pikeperch (Sander lucioperca); short and long term effects on stress tolerance and metabolic physiology
Publication: Research - peer-review › Journal article – Annual report year: 2012

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality
Publication: Research › Poster – Annual report year: 2012

Is batch variability in hatching time related to size heterogeneity and cannibalism in pikeperch (Sander lucioperca)?
Publication: Research - peer-review › Journal article – Annual report year: 2010

Replacement of fish meal with a matrix of organic plant proteins in organic trout (Oncorhynchus mykiss) feed, and the effects on nutrient utilization and fish performance
Publication: Research - peer-review › Journal article – Annual report year: 2011

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

The effects of dietary long-chain essential fatty acids on growth and stress tolerance in pikeperch larvae (Sander lucioperca L.)
Publication: Research - peer-review › Journal article – Annual report year: 2009

European eel and aquaculture
Publication: Research › Report – Annual report year: 2010

Influence of dietary arachidonic acid combined with light intensity and tank colour on pigmentation of common sole (Solea solea L.) larvae
Publication: Research - peer-review › Journal article – Annual report year: 2010

Organic vegetable proteins and oil in feed for organic rainbow trout (Oncorhynchus mykiss)
Publication: Research › Poster – Annual report year: 2010

Videreudvikling af intensivt opdræt af sandart i Danmark
Publication: Research › Report – Annual report year: 2010

Danish model trout farms – Technology and environmental impact
Publication: Research › Conference abstract for conference – Annual report year: 2009

Influence of dietary arachidonic acid combined with light intensity and tank background colour on pigmentation of common sole (Solea solea)
Publication: Research › Poster – Annual report year: 2009
Influence of hatching time on time of first feeding and subsequent growth and cannibalism in pikeperch (Sander lucioperca)
Publication: Research › Poster – Annual report year: 2009

New methods in trout farming to reduce the farm effluents - Case study in Denmark
Publication: Research - peer-review › Book chapter – Annual report year: 2009

Proteinafgrøder til økologiske regnbueørreder (Oncorhynchus mykiss)
Publication: Research › Poster – Annual report year: 2009

A comparison of fatty acid composition and quality aspects of eggs and larvae from cultured and wild broodstock of common sole ( Solea solea L.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Essential fatty acids influence metabolic rate and tolerance of hypoxia in Dover sole ( Solea solea ) larvae and juveniles
Publication: Research - peer-review › Journal article – Annual report year: 2008

Opdræt af tunge (Solea solea) - undersøgelse af mulighederne for kommercialisering
Publication: Research › Report – Annual report year: 2008

The effects of dietary long chain essential fatty acids on growth and stress tolerance in pike perch larvae (Stizostedion lucioperca L.)
Publication: Research › Poster – Annual report year: 2008

The influence of dietary concentrations of arachidonic acid and eicosapentaenoic acid at various stages of larval ontogeny on eye migration, pigmentation and prostaglandin content of common sole larvae ( Solea solea L.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Udvikling af produktionsmetoder til intensivt opdræt af sandartyngel: Projektrapport
Publication: Research › Report – Annual report year: 2008

Effect of dietary arachidonic acid, eicosapentaenoic acid and docosahexaenoic acid on survival, growth and pigmentation in larvae of common sole ( Solea solea L.)
Publication: Research - peer-review › Journal article – Annual report year: 2007

The impact of dietary fatty acids in common sole larval ( Solea solea , L.) nutrition
Publication: Research › Ph.D. thesis – Annual report year: 2007

Avisprogram for regnbueørred i Danmark
Publication: Research › Report – Annual report year: 2006

Avisprogram for regnbueørred i Danmark: Bilagsrapport
Publication: Research › Report – Annual report year: 2006

Selective breeding provides an approach to increase resistance of rainbow trout ( Oncorhynchus mykiss ) to the diseases, enteric redmouth disease, rainbow trout fry syndrome, and viral haemorrhagic septicaemia
Publication: Research - peer-review › Journal article – Annual report year: 2005

Avisarbejde kan øge sygdomsresistens hos regnbueørred
Publication: Research › Journal article – Annual report year: 2003

Ørreder med 6% højere tilvækst på avlstationen
Publication: Research › Journal article – Annual report year: 2003
Genetic variation for growth rate, feed conversion efficiency, and disease resistance exists within a farmed population of rainbow trout
Publication: Research - peer-review › Journal article – Annual report year: 2002

Avisarbejde på regnbueørred i Danmark
Publication: Research › Journal article – Annual report year: 2001

Information fra Dansk Ørredavl
Publication: Communication › Journal article – Annual report year: 2001

Optimal ratio between digestible protein and digestible energy in feed for European sea bass (Dicentrarchus labrax)
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Projects:

- Eel hatchery technology for a sustainable aquaculture (EEL-HATCH) (39181)
  Project

- Sustainable fish feed development in Ghana (Susfeed) (39158)
  Project

- Landbased aquaculture of European lobster (39156)
  Project

- Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets (DIVERSIFY) (39132)
  Project

- Development of filtering technologies for microalgae and sustainable high quality feed for fry (FIMAFY) (39115)
  Project

- Optimized sludge hydrolysis and improved nitrogen removal through denitrification
  Project: PhD

- Pre-feasibility study regarding establishment of hatchery facility for production of juvenile lobsters (Homarus Gammarus) (39035)
  Project

- Better use of nutrition resources for sustaining aquaculture production in Central Vietnam under climate change condition (SANSIV) (38975)
  Project

- Amino acid uptake patterns in fish fed plant based protein and the effects on protein utilization.
  Project: PhD

Activities:

- The effect of dietary fatty acid content on rainbow trout fry robustness towards Flavobacterium psychrophilum
  Activity: Talks and presentations › Conference presentations