Publications:

Interplay between daily rhythmic serum-mediated bacterial killing activity and immune defence factors in rainbow trout (Oncorhynchus mykiss)
Publication: Research - peer-review › Journal article – Annual report year: 2018

Short-term feed and light deprivation reduces voluntary activity but improves swimming performance in rainbow trout Oncorhynchus mykiss
Publication: Research - peer-review › Journal article – Annual report year: 2018

Aqualase, a yeast-based in-feed probiotic, modulates intestinal microbiota, immunity and growth of rainbow trout Oncorhynchus mykiss
Publication: Research - peer-review › Journal article – Annual report year: 2016

Crosstalk between innate immunity and circadian rhythm: Do fish immune defences have a sense of time?
Publication: Research › Poster – 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

Dietary phytoimmunostimulant Persian hogweed (Heracleum persicum) has more remarkable impacts on skin mucus than on serum in common carp (Cyprinus carpio)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effects of dietary prebiotic GroBiotic®- A on growth performance, plasma thyroid hormones and mucosal immunity of great sturgeon, Huso huso (Linnaeus, 1758)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Host-derived probiotics Enterococcus casseliflavus improves resistance against Streptococcus iniae infection in rainbow trout (Oncorhynchus mykiss) via immunomodulation
Publication: Research - peer-review › Journal article – Annual report year: 2016

Innate immune defenses exhibit circadian rhythmicity and differential temporal sensitivity to a bacterial endotoxin in Nile tilapia (Oreochromis niloticus)
Publication: Research - peer-review › Journal article – Annual report year: 2016

Probiotics as beneficial microbes in aquaculture: an update on their multiple modes of action: a review
Publication: Research - peer-review › Journal article – Annual report year: 2016

Pulse vs. Continuous treatment: which is better for applying peracetic acid in RAS?
Publication: Research › Conference abstract for conference – Annual report year: 2016

Cortisol levels and expression of selected stress- and apoptosis-related genes in the embryos of Atlantic cod, Gadus morhua following short-term exposure to air
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
Mechanisms of probiotic actions in shrimp: Implications to tropical aquaculture
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Nutritional impacts on fish mucosa: immunostimulants, pre- and probiotics
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Prospects of host-associated microorganisms in fish and penaeids as probiotics with immunomodulatory functions
Publication: Research - peer-review › Journal article – Annual report year: 2015

Viral diseases of shrimp in the Philippines
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Projects:

New possibilities for growth and robustness in organic aquaculture (ROBUSTFISH) (39159)
Project