Marja Koski - DTU Orbit (04/10/2019)

Marja Koski
Associate Professor
National Institute of Aquatic Resources
Section for Oceans and Arctic

Postal address:
Kemitorvet
202, 4136
2800
Kgs. Lyngby
Denmark
Email: mak@aqua.dtu.dk
Phone: 35883407
Mobile: 93511545

Research outputs:

Risk assessment of harmful types of plastics in the marine environment
Research output: Book/Report › Report – Annual report year: 2019 › Research

Copepods boost the production but reduce the carbon export efficiency by diatoms
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Metagenomic insights into zooplankton-associated bacterial communities
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Towards control of unwanted cyst-forming dinoflagellates in aquaculture systems: Knockout and recovery of Pfiesteria sp. after peracetic acid exposure
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Acute and semi-chronic toxicity of vanadium tested on copepods of the species Temora longicornis
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Ecological effects of scrubber water discharge on coastal plankton: Potential synergistic effects of contaminants reduce survival and feeding of the copepod Acartia tonsa
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Ecological effects of scrubber water discharge on coastal plankton: Potential synergistic effects of contaminants reduce survival and feeding of the copepod Acartia tonsa
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Feeding on dispersed vs. aggregated particles: The effect of zooplankton feeding behavior on vertical flux
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Prevalence and risk factors associated with Theileria parva infection in cattle in three regions of Tanzania
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

A marine eutrophication impacts assessment method in LCIA coupling coastal ecosystems exposure to nitrogen and species sensitivity to hypoxia
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research
Coupling ecosystems exposure to nitrogen and species sensitivity to hypoxia: modelling marine eutrophication in LCIA
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research

Exposure factors for marine eutrophication impacts assessment based on a mechanistic biological model
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

From nitrogen enrichment to oxygen depletion: a mechanistic model of coastal marine ecosystems response
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research

Teaching sustainability in Aquatic Science and Technology - collaborations between DTU-Aqua, UCPH-BIO and UCPH-PLEN
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

The effect of zooplankton on the efficiency of the biological carbon pump
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research

Does copepod size determine food consumption of particulate feeding fish?
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

The Biological carbon pump in the North Atlantic
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

The Mystery of Microsetella – Combination of egg- and broadcast spawning in an Arctic fjord?
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Copepods use chemical trails to find sinking marine snow aggregates
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

The effect of egg versus seston quality on hatching success, naupliar metabolism and survival of Calanus finmarchicus in mesocosms dominated by Phaeocystis and diatoms
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Biological processes in the North Sea: comparison of Calanus helgolandicus and Calanus finmarchicus vertical distribution and production
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Biological processes in the North Sea: vertical distribution and reproduction of neritic copepods in relation to environmental factors
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Copepods and the biological pump: The potential effects of large vs. small copepods on vertical flux
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2011 › Research

Extensive cross-disciplinary analysis of biological and chemical control of Calanus finmarchicus reproduction during an aldehyde forming diatom bloom in mesocosms
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Strain-related physiological and behavioral effects of Skeletonema marinoi on three common planktonic copepods
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review
Seasonal changes in food quantity and quality of the common North Sea copepods Temora longicornis and Pseudocalanus elongatus: a bioassay approach
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Effects of carbon-dioxide-induced acidification on algal quality for copepod reproduction
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research

Glutathione transferase activity and oocyte development in copepods exposed to toxic phytoplankton
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Copepod reproduction is unaffected by diatom aldehydes or lipid composition
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

"Good" and "bad" diatoms: development, growth and juvenile mortality of the copepod Temora longicornis on diatom diets
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Production, oxygen respiration rates, and sinking velocity of copepod fecal pellets: Direct measurements of ballasting by opal and calcite
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Prymnesium parvum exotoxins affect the grazing and viability of the calanoid copepod Eurytemora affinis
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Disruption of microbial food web and inhibition of metazooplankton development in the presence of iron and DOM-stimulated Baltic Sea cyanobacteria
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

High reproduction of Calanus finmarchicus during a diatom-dominated spring bloom
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Supplemental effects of diet mixing on absorption of ingested organic carbon in the marine copepod Acartia tonsa
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

The fate of discarded appendicularian houses: degradation by the copepod, Microsetella norvegica, and other agents
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Zooplankton grazing on Phaeocystis: a quantitative review and future challenges
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Life-stage-specific differences in exploitation of food mixtures: diet mixing enhances copepod egg production but not juvenile development
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Post-bloom feeding of Calanus finmarchicus copepodites: Selection for autotrophic versus heterotrophic prey
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Toxic haptophyte Prymnesium parvum affects grazing, survival, egestion and egg production of the calanoid copepods Eurytemora affinis and Acartia bifilosa
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review
Is Prymnesium patelliferum toxic for copepods? Grazing, egg production, and egestion of the calanoid copepod Eurytemora affinis in mixtures of "good" and "bad" food
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Reproduction and survival of the calanoid copepod Eurytemora affinis fed with toxic and non-toxic cyanobacteria
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Seasonal development of mesozooplankton biomass and production on the SW coast of Finland
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Sedimentation of copepod fecal material in the coastal northern Baltic Sea: Where did all the pellets go?
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

The effect of temperature, food concentration and female size on the egg production of the planktonic copepod Acartia bifilosa: Short Communications
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Effect of food quality on rate of growth and development of the pelagic copepod Pseudocalanus elongatus (Copepoda, Calanoida)
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Seasonal occurrence and hatching of calanoid eggs in sediments of the northern Baltic Sea
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Seasonal and long-term variations in the body size of planktonic copepods in the northern Baltic Sea
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Projects:

Environmental neutral aquaculture water treatment (MIVANAK) (39295)
Project: Research

Trait Ecology of Plankton in a Changing Marine Environment
Project: PhD

Baltic zooplankton; eco-physiology and adaptation
Project: PhD

Enzyme Immobilisation and Bioprocessing
Project: PhD

Sexual selection in marine plankton
Project: PhD

The early life of eel in the Sargasso Sea – Influence of oceanography and climate (SARGASSO-EEL) (39107)
Project: Research

Sustainable technologies to control microalgae in land based saltwater recirculating systems (39032)
Project: Research

North Atlantic - Arctic coupling in a changing climate: Impacts on ocean circulation, carbon cycling and sea-ice (NAACOS) (38888)
Arctic plankton in a changing climate (38783)
Project: Research

Response of pelagic food webs to warmer, acidified oceans (Pelagic foods) (38923)
Project: Research

European basin-scale analysis, synthesis and integration (EURO-BASIN) (38899)
Project: Research

The biological pump in the Nordic seas: Copepods and appendicularians as producers and consumers of sinking particles (BIOPUMP) (38757)
Project: Research

Physical oceanography in Greenland waters under climate change (38767)
Project: Research

Fatty acids in the marine food chain (38160)
Project: Research