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Employment

Professor

Marine Biology

Helsingør, Denmark

1 Feb 2015 → nu

Research outputs

Hydrostatic pressure induces transformations in the organic matter and microbial community composition of marine snow particles

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In Vitro* Evolution of Specific Phages Infecting the Fish Pathogen *Flavobacterium psychrophilum

Castillo, D., Højsting, A. R., Roosvall, A., Smyrlis, G., Jørgensen, J. & Middelboe, Mathias, 2022, In: PHAGE: Therapy, Applications, and Research. 3, 1, p. 28-37 10 p.

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The Gut Microbiota of Healthy and *Flavobacterium psychrophilum*-Infected Rainbow Trout Fry Is Shaped by Antibiotics and Phage Therapies

Donati, V. L., Madsen, L., Middelboe, Mathias, Strube, M. L. & Dalsgaard, I., 2022, In: Frontiers in Microbiology. 13, 21 p., 771296.

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Kunttu, H. M. T., Runtuvuori-Salmela, A., Sundell, K., Wiklund, T., Middelboe, Mathias, Landor, L., Ashrafi, R., Hoikkala, V. & Sundberg, L., 2021, In: Applied and Environmental Microbiology. 87, 16, 19 p., e00812-21 .

Comparative Genomic Analyses of *Flavobacterium psychrophilum* Isolates Reveals New Putative Genetic Determinants of Virulence Traits

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Ellul, R. M., Kalatzis, Panagiotis, Frantzen, C., Haugland, G. T., Gulla, S., Colquhoun, D. J., Middelboe, Mathias, Wergeland, H. I. & Rønneseth, A., 2021, In: Microorganisms. 9, 6, 22 p., 1215.

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Bacteriophages: Emerging Applications in Medicine, Food, and Biotechnology

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Bacteriophages as Biocontrol Agents for *Flavobacterium psychrophilum* Biofilms and Rainbow Trout Infections

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Large Phenotypic and Genetic Diversity of Prophages Induced from the Fish Pathogen *Vibrio anguillarum*

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