

CURRICULUM VITAE

Name: Mathias Engell Holmstrup
Year of birth: 1991
Nationality: Danish
Languages: Danish, English, Norwegian, French.
Contact info: E-mail: MathiasEngellHolmstrup@gmail.com
Profession: Biologist, Marine Biologist



Qualifications and Certificates:

- Scientific research and writing
- Experienced speaker
- Fieldwork assistance
- Laboratory Animals Science Course
- Danish fish transport certificate
- Algae and zooplankton cultivation
- International driver's license
- International motorboat certificate
- Professional diver's assistant
- Safety and first aid in open water
- Freediving instructor, CMAS***
- Dedicated waterman

Education:

<i>Period</i>	<i>Institution</i>	<i>Graduation and diploma achieved or in progress</i>
2014-2016	Aarhus University	Master of Science: Biology (GPA of 9,86)
2011-2014	Aarhus University	Bachelor of Science: Biology
2007-2010	Marselisborg High school	Student exam (physics level A, Math level A, chemistry level B)

Professional Experience:

<i>Period</i>	<i>Employer</i>	<i>Position</i>	<i>Description</i>
2019-Date	Fishlab	Biologist, Scientific diving assistant	Experimental analysis of growth in fishes reared in semi-extensive systems, aquatic flora surveys in Danish lakes and coastal waters, live fish transport
2017-Date	MicroWISE	Biologist	Plankton analysis, product development and testing.
2018	DHI	Project Manager	Algae production for tests on ballast water management
2017	Dykkerbutikken.dk	Diving instructor	Freediving and spearfishing instructor
2016	Greenland Institute of Natural Resources	Student assistant	Catch processing and scientific analysis during annual fish and shrimp survey.
2016	Aarhus University	Instructor	Instructor in the course Marine Ecology
2014-2016	Kattegatcentret, Grenaa	Speaker and zookeeper	Speaking in front of audiences and a student assistant in caretaking of the marine animals in the facility.
2011-2017	Fishlab	Assistant	Research and Aquaculture fieldwork including live animal transport
2010-2011	Surflin	Shop assistant	Sale of surf and ski equipment Responsible for storage and delivery
Summers 2010-2012	Surf Camp N'gor in Senegal	Manager and surf guide	Managing of hotel and five employees surf guide and instructor
2006-2007	Alt til Dyr (Pet shop)	Shop assistant	Responsible for aquatic department Sale and Maintenance of animals.

Internships and Exchange Programs:

<i>Period</i>	<i>Institution</i>	<i>Internship or exchange program</i>
2017	DHI	Plankton analysis, product development and testing, taxonomy and quantification of zoo- and phytoplankton.
2015	University of Bergen, Norway	Erasmus scholarship: Master of Science - Biology
2012	Dalhousie University, Canada	TASSEP scholarship: Bachelor of Science - Biology

Scientific Projects and Publications:

<i>Period</i>	<i>Collaborators</i>	<i>Title</i>	<i>Publication status</i>
2019	Aarhus University, Fishlab	<i>Enchytraeus Project. Using enchytraeus as a potential Omega-3 and vitamin rich feed in high-value fish rearing.</i>	<i>Not published.</i>
2018	MicroWISE, IMO	<i>Updated information on a method for evaluation of the concentration of live organisms in ballast water – The Motility and Fluorescence Assay (MFA)</i>	Submitted and accepted to PPR6 – IMO by Denmark 2018
2018	MicroWISE, DHI and IMO	<i>Proposed Methodology for Verification of Indicative Ballast Water Monitoring Systems</i>	Submitted accepted to PPR6 – IMO by Denmark 2018
2017-2018	MicroWISE and DHI	<i>A New Method of Determining Plankton Concentrations for On Site Compliance in Accordance with the IMO Ballast Water Convention.</i>	In writing Submitting Fall 2019
2017	Institute of Marine Research (IMR), Norway and Aarhus University, Denmark	<i>Field metabolic rates of teleost fishes are recorded in otolith carbonate.</i>	Submitted and accepted 2018.
2016	Aarhus University, Denmark	<i>Latitudinal changes in the diet of northern sand lance (<i>Ammodytes dubius</i>) along the west coast of Greenland: An indicator of ecosystem environmental change</i>	Not published.
2015	University of Bergen, Norway	<i>Growth Rate and Rearing Success of Ballan Wrasse at Different temperatures and Feeding Opportunities</i>	Not published

