



# Kinlan M.G. Jan

## PhD Student in Marine Biology

Department of Ecology, Environment and Plant Sciences, Stockholm University

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## Education

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|---|---|
| <b>Stockholm University</b><br>PhD Studies in Marine Biology<br>MSc in Marine Biology | <b>Stockholm, Sweden</b><br><i>September 2021 — Present</i><br><i>August 2019 — June 2021</i> |
| <b>The University of Neuchâtel</b><br>BSc in Biology                                  | <b>Neuchâtel, Switzerland</b><br><i>September 2017 — June 2019</i>                            |

## Teaching

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| <b>Stockholm University</b><br>Marine ecosystem dynamics, MSc course<br>Marine ecology, BSc course | <b>Stockholm, Sweden</b><br><i>2021 — Present</i><br><i>2022</i> |
| <b>The University of Neuchâtel</b><br>From molecules to cells, BSc course                          | <b>Neuchâtel, Switzerland</b><br><i>2018 — 2019</i>              |

## Commissions of trust

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| Chair of the PhD council                      | 2023        |
| Vice-chair of the PhD council                 | 2022        |
| Technical assistance with PhD hybrid defenses | 2022 — 2023 |

## Award and grant

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| Elisabeth och Herman Rhodin Memorial Foundation<br><i>Travel grant</i>   | 2024 |
| ICES travel funds for early career scientists<br><i>Travel grant</i>   | 2024 |
| Baltic Waters Scholarship program for early career researchers<br><i>Competition between forage fish in the open waters of the Baltic Sea</i>  | 2024 |
| Dryssen Award for best Master's Theses in Marine Sciences<br><i>Copepod feeding preferences along the Baltic Sea environmental gradients - an assessment of zooplankton interactions using DNA metabarcoding</i> | 2021 |

## Experience

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| Field work  |  |
| <b>Fish sampling</b><br>Herring Larvae Survey in the Stockholm archipelago<br>Sprat Acoustic Survey in the Baltic Sea | <i>2023 — 2024</i><br><i>2022 — 2023</i> |

Laboratory

**DNA Metabarcoding**  
Library preparation | DNA extraction | PCR | Gel electrophoresis

**Zooplankton identification**  
Microscopy

## Publications

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**Jan KMG**, Serandour B, Walve J, Winder M. 2024. *Plankton blooms over the annual cycle shape trophic interactions under climate change*. Limnology and Oceanography Letters **9**:3, 209-218. doi: 10.1002/lol2.10385

Novotny A, Serandour B, Kortsch S, Gauzens B, **Jan KMG**, Winder M. 2023. *DNA metabarcoding highlights cyanobacteria as the main source of primary production in a pelagic food web model*. Science advances **9**:17, eadg1096. doi: 10.1126/sciadv.adg1096

Serandour B, **Jan KMG**, Novotny A, Winder M. 2023. *Opportunistic vs selective feeding strategies of zooplankton under changing environmental conditions*. Journal of Plankton Research **45**:2, 389-403. doi: 10.1093/plankt/fbad007

Novotny A, **Jan KMG**, Dierking J, Winder M. 2022. *Niche partitioning between planktivorous fish in the pelagic Baltic Sea assessed by DNA metabarcoding, qPCR and microscopy*. Scientific Reports **12**, 10952. doi: 10.1038/s41598-022-15116-7

## Conferences

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**ICES Annual Science Conference 2024** | Poster **Gateshead, United Kingdom**  
**Jan KMG**, Hentati-Sundberg J, Larson N, Winder M. *Implication of resource competition for forage fish dynamics in the central Baltic Sea*.

**Baltic Sea Science Congress 2023** | Talk **Helsinki, Finland**  
**Jan KMG**, Serandour B, Walve J, Winder M. *Species-specific phenological responses to climate pose consequences for trophic coupling*.

**ASLO Aquatic Sciences Meeting 2023** | Poster **Palma de Mallorca, Spain**  
**Jan KMG**, Serandour B, Walve J, Winder M. *Species-specific phenological responses to climate pose consequences for higher trophic levels*.

**Marine Research Days 2022** | Talk **Stockholm, Sweden**  
**Jan KMG**, Serandour B, Winder M. *Coupling of plankton and small pelagic fish in the Baltic Sea*.

**18<sup>th</sup> International Symposium on Microbial Ecology 2022** | Poster **Lausanne, Switzerland**  
**Jan KMG**, Novotny A, Dierking J, Winder M. *The role of eukaryotic microorganisms for niche partitioning of planktivorous fish*.

**Marine Research Days 2021** | Talk **Gothenburg, Sweden**  
**Jan KMG** *Copepod feeding preferences along the Baltic Sea environmental gradients - an assessment of zooplankton interactions using DNA metabarcoding*.

Limnology and Oceanography Letters  
Molecular Ecology