





# 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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### **PhD in Marine Biology**

Stockholm University

**Stockholm, Sweden**

*September 2021 — Present*

Preliminary thesis title: *Implication of plankton-fish interactions and dynamics for the Baltic Sea food webs*

Expected defense date: *February 2026*

### **MSc in Marine Biology**

Stockholm University

**Stockholm, Sweden**

*August 2019 — June 2021*

Master project title: *Copepod feeding preferences along the Baltic Sea environmental gradients*

### **BSc in Biology**

The University of Neuchâtel

**Neuchâtel, Switzerland**

*September 2017 — June 2019*

## Teaching

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### **Stockholm University**

Marine ecosystem dynamics, *MSc* course

Marine ecology, *BSc* course

**Stockholm, Sweden**

*2021 — Present*

*2022*

### **The University of Neuchâtel**

From molecules to cells, *BSc* course

**Neuchâtel, Switzerland**

*2018 — 2019*

## 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*

## Awards and grants

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Elisabeth och Herman Rhodin Memorial Foundation

*2024*

*Travel grant*

ICES travel funds for early career scientists

*2024*

*Travel grant*

BalticWaters Scholarship program for early career researchers

*2024*

*Competition between forage fish in the open waters of the Baltic Sea*

Dryssen Award for best Master's Theses in Marine Sciences

*2021*

*Copepod feeding preferences along the Baltic Sea environmental gradients - an assessment of zooplankton interactions using DNA metabarcoding*

## Experience

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### Field work

#### Fish sampling

Herring Larvae Survey in the Stockholm archipelago

2023 — 2024

Sprat Acoustic Survey in the Baltic Sea

2022 — 2023

#### Zooplankton sampling

Monitoring survey in the Baltic Sea

September 2020

### Laboratory

#### DNA Metabarcoding

Library preparation | DNA extraction | PCR | Gel electrophoresis

#### Zooplankton identification

Microscopy

## Publications

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Serandour B, Blenckner T, **Jan KMG**, Leroy B, Ramiro-Sánchez B, Campbell E, Winder M. 2024. *Projections of spatial distributions of suitable environmental conditions for key Baltic Sea zooplankton species*. Limnology and Oceanography. doi:10.1002/lno.12705

**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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### Marine Research Days 2024 | Talk

Kalmar, Sweden

**Jan KMG**, Hentati-Sundberg J, Larson N, Winder M. *Are small pelagic fish competing for their resources in the central Baltic Sea?*

### 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.*

## Academic services

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Ad-hoc reviews

Limnology and Oceanography Letters  
Molecular Ecology