



# Kinlan M.G. Jan

## Doctorant en biologie marine

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## Éducation

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### PhD en biologie marine

Stockholm University

Stockholm, Suède

Septembre 2021 — Présent

Titre préliminaire de thèse : *Implication of plankton-fish interactions and dynamics for the Baltic Sea food webs*

Date de défense prévue : *Janvier 2026*

### MSc en biologie marine

Stockholm University

Stockholm, Suède

Août 2019 — Juin 2021

Titre de projet de Master : *Copepod feeding preferences along the Baltic Sea environmental gradients*

### BSc en biologie

Université de Neuchâtel

Neuchâtel, Suisse

Septembre 2017 — Juin 2019

## Enseignement

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### Stockholm University

Marine ecosystem dynamics, Niveau MSc

Marine ecology, Niveau BSc

Stockholm, Suède

2021 — 2025

2022

### Université de Neuchâtel

Des molécules aux cellules, Niveau BSc

Neuchâtel, Suisse

2018 — 2019

## Mandats de confiance

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Président du conseil doctoral

2023

Vice-président du conseil doctoral

2022

Assistant technique lors des soutenances hybrides de doctorat

2022 — 2023

## Prix et bourses

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Elisabeth och Herman Rhodin Memorial Foundation

2024

*Bourse de voyage*

ICES travel funds for early career scientists

2024

*Bourse de voyage*

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*

## Expérience

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Travail de terrain

### Échantillonnage de poissons

Campagne sur les larves de hareng

2023 — 2024

Campagne acoustique sur le sprat en mer Baltique

2022 — 2023

### Échantillonnage de plancton

Campagne de suivi en mer Baltique

Septembre 2020

Travail en laboratoire

### Métabarcoding de l'ADN

Préparation de librairies | Extraction d'ADN | PCR | Électrophorèse sur gel

### Identification du zooplancton

Microscopie

## Publications

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**Jan KMG**, Hentati-Sundberg J, Larson N, Winder M. 2025. *Limited resource use overlaps among small pelagic fish species in the central Baltic Sea*. ICES Journal of Marine Science. doi:10.1093/icesjms/fsaf122

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 **69**:12, 2801-2814. 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

## Conférences

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Swedish Oikos Meeting 2025 | Présentation orale

Stockholm, Suède

**Jan KMG**, Hentati-Sundberg J, Larson N, Winder M. *Resource competition between small pelagic fish in the central Baltic Sea*.

Marine Research Days 2024 | Présentation orale

Kalmar, Suède

**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, Royaume-Uni**  
*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** | Présentation orale **Helsinki, Finlande**  
*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 Majorque, Espagne**  
*Jan KMG*, Serandour B, Walve J, Winder M. *Species-specific phenological responses to climate pose consequences for higher trophic levels.*

**Marine Research Days 2022** | Présentation orale **Stockholm, Suède**  
*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, Suisse**  
*Jan KMG*, Novotny A, Dierking J, Winder M. *The role of eukaryotic microorganisms for niche partitioning of planktivorous fish.*

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

## Services académiques

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Évaluations ponctuelles (reviews)

Limnology and Oceanography Letters  
Molecular Ecology  
Marine Ecology Progress Series