

Kinlan M.G. Jan

PhD Student in Marine Biology

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🌐 KMGJan

Education

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

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

Chair of the *PhD* council

2023

Vice-chair of the *PhD* council

2022

Technical assistance with *PhD* hybrid defenses

2022 — 2023

Awards and grants

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

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

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

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.*

18th 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

Göteborg, Sweden

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

Academic services

Ad-hoc reviews

Limnology and Oceanography Letters
Molecular Ecology