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## Kvalifikationer

Marine Biology, PhD, Competitive dynamics of toxic and non-toxic genotypes of the harmful dinoflagellate *Alexandrium tamarense* in Scottish Waters, University of Aberdeen  
Dimissionsdato: 30. nov. 2013

Marine Biology, MSc Marine Biodiversity and Biotechnology, Heriot-Watt University  
2008 → 2009  
Dimissionsdato: 13. nov. 2009

Marine Biology, BSc Applied Marine Biology, Heriot-Watt University  
2004 → 2008  
Dimissionsdato: 11. jul. 2008

## Ansættelse

**Det Naturvidenskabelige Fakultetssekretariat**  
SDU  
13. apr. 2023 → present

### Specialkonsulent

Det Naturvidenskabelige Fakultetssekretariat  
SDU  
13. apr. 2023 → present

### Specialkonsulent

SDU Climate Cluster  
SDU  
Odense M, Danmark  
13. apr. 2023 → present

### Freelance consultant

FISHLAB environmental investigations  
Danmark  
1. jan. 2017 → 1. jan. 2017

### Postdoc

Statens Naturhistoriske Museum  
København, Danmark  
1. jan. 2017 → 1. jan. 2017

### Postdoc

Københavns Universitet  
Copenhagen K, Danmark  
1. jan. 2013 → 1. jan. 2016

## Publikationer

### Transcriptomic responses of sponge holobionts to in situ, seasonal anoxia and hypoxia

Strehlow, B. W., Schuster, A., Francis, W. R., Eckford-Soper, L., Kraft, B., McAllen, R., Nielsen, R., Mandrup, S. & Canfield, D. E., 2024, I: Peer Community Journal. 4, 31 s., e43.

**A case for an active eukaryotic marine biosphere during the Proterozoic era**

Eckford-Soper, L. K., Andersen, K. H., Hansen, T. F. & Canfield, D. E., 11. okt. 2022, I: PNAS. 119, 41, s. e2122042119

**Effects of Seasonal Anoxia on the Microbial Community Structure in Demosponges in a Marine Lake in Lough Hyne, Ireland**

Schuster, A., Strehlow, B. W., Eckford-Soper, L., McAllen, R. & Canfield, D. E., jan. 2021, I: mSphere. 6, 24 s., e00991-20.

**The global explosion of eukaryotic algae: the potential role of phosphorus?**

Eckford-Soper, L. & Canfield, D. E., 7. okt. 2020, I: PLOS ONE. 15, 10, 28 s., e0234372.

**The effects of seasonal anoxia on the microbial community structure in demosponges in a marine lake (Lough Hyne, Ireland)**

Schuster, A., Strehlow, B. W., Eckford-Soper, L., McAllen, R. & Canfield, D. E., 10. sep. 2020, bioRxiv.

**Development of a novel automated analytical method for viability assessment of phytoplankton used for validation of ballast water treatment systems**

Lundgreen, K., Eckford-Soper, L., Pedersen, K. L. & Holbech, H., okt. 2019, I: Journal of Applied Phycology. 31, 5, s. 2941-2955 15 s.

Growth rates of three geographically separated strains of the ichthyotoxic *Prymnesium parvum* (Prymnesiophyceae) in response to six different pH levels

Lysgaard, M., Eckford-Soper, L. & Daugbjerg, N., 1. maj 2018, I: Estuarine, Coastal and Shelf Science. 204, s. 98-102

Comparison by light microscopy and qPCR of potentially ichthyotoxic microalgae in Danish on-shore lagoons producing European flounder (*Platichthys flesus*): Pros and cons of microscopical and molecular methods

Eckford-Soper, L., Daugbjerg, N., Nørremark, L. H. & Engell-Sørensen, K., 2018, I: Harmful Algae News. 50, s. 24-27

**Interspecific Competition Study Between *Pseudochattonella farcimen* and *P. verruculosa* (Dictyochophyceae)—Two Ichthyotoxic Species that Co-occur in Scandinavian Waters**

Eckford-Soper, L. & Daugbjerg, N., feb. 2017, I: Microbial Ecology. 73, 2, s. 259–270

The ichthyotoxic genus *Pseudochattonella* (Dictyochophyceae): Distribution, toxicity, enumeration, ecological impact, succession and life history – A review

Eckford-Soper, L. & Daugbjerg, N., sep. 2016, I: Harmful Algae. 58, s. 51-58

The competitive dynamics of toxic *Alexandrium fundyense* and non-toxic *Alexandrium tamarense*: The role of temperature

Eckford-Soper, L., Bresnan, E., Lacaze, J.-P., Green, D. H. & Davidson, K., mar. 2016, I: Harmful Algae. 53, s. 135-144

A quantitative real-time PCR assay for identification and enumeration of the occasionally co-occurring ichthyotoxic *Pseudochattonella farcimen* and *P. verruculosa* (Dictyochophyceae) and analysis of variation in gene copy numbers during the growth phase of single and mixed cultures

Eckford-Soper, L. & Daugbjerg, N., 2016, I: Journal of Phycology. 52, 2, s. 174-183

Development of a multiplex real-time qPCR assay for simultaneous enumeration of up to four marine toxic bloom-forming microalgal species

Eckford-Soper, L. & Daugbjerg, N., sep. 2015, I: Harmful Algae. 48, s. 37-43

Examination of six commonly used laboratory fixatives in HAB monitoring programs for their use in quantitative PCR based on Taqman probe technology

Eckford-Soper, L. & Daugbjerg, N., 2015, I: Harmful Algae. 42, s. 52-59

**Competitive dynamics of toxic and non-toxic ribotypes of the harmful dinoflagellate *Alexandrium tamarense* in Scottish waters**

Eckford-Soper, L., 2013, 273 s.

Identification and quantification of toxic and nontoxic strains of the harmful dinoflagellate *Alexandrium tamarense* using fluorescence in situ hybridization and flow cytometry

Eckford-Soper, L., Davidson, K. & Bresnan, E., 2013, I: *Limnology and Oceanography: Methods*. 11, 10, s. 540-548