

CURRICULUM VITAE

Name: PhD Elin Almroth-Rosell
Date of Birth: 30 September 1977
Gender: Female
Nationality: Swedish

Academic qualifications

Year	Degree
2014	Ph.D. in Marine Chemistry, University of Gothenburg, Sweden
2008	Ph. Licentiate in marine chemistry, University of Gothenburg, Sweden
2002	M.Sci in Marine chemistry, University of Gothenburg, Sweden

Employment record

2011-	SMHI – Swedish Meteorological and Hydrological Institute. Full time researcher at the oceanographic research unit at the research and development department. Since 2019 research leader of the group “Marine Environment”.
2012	Parental leave
2009-2010	Parental leave
2004 – 2011	University of Gothenburg, Ph.D student at 50 % in marine chemistry at the department of chemistry and Molecular Biology. Title of thesis: “Influence of resuspension on sediment-water solute exchange and particle transport in marine environments”
2004 -2011	SMHI – Swedish Meteorological and Hydrological Institute, part time (50 %) researcher at the oceanographic research unit at the research and development department.
2003-2004	SMHI – Swedish Meteorological and Hydrological Institute. Full time researcher at the oceanographic research unit at the research and development department.
2002-2003	IVL, Swedish Environmental Research Institute, laboratory assistant.
2002	University of Gothenburg, laboratory assistant.

Research activities

2022-	ALGOT: “A new forecast framework for algae bloom hazard to secure future water supply and development of tourism on Gotland”. The aim is to develop a novel forecast framework for hazard (algae blooms due to heatwaves) as well as hazard impact (on water resource management) on short term (early warning) and long term (climate scenarios).
2022-	NorScen: “Nordiske klimaScenarioer” financed by Nordic Council of Ministers. The project aims to increase our knowledge of the effects of future climate change on the Nordic sea areas, including the marine environment and ecosystems.
2020-	Re-oxygen project Baltic Sea. The impact of pumping oxygen rich surface water to the bottom on the biogeochemistry in the Baltic Sea.
2019-	Research leader in the group of marine environment at the FoUo-department for oceanography at SMHI.
2018-	ClimeMarine: “Integration of climate-change impacts into the ecosystem based management and planning of the Swedish marine environment” financed by FORMAS (a Swedish research council for sustainable development) as shared <i>Principal Investigator</i> (PI) and coordinator in the start-up phase, and now as project support and participating researcher. Project period: 2018-2021.
2018-2021	“ Regional spreading of pollutants from fibre banks in the Bothnian Sea ”, financed by the Geological Survey of Sweden, as project leader. Project period: 2018-2020+2021.
2018-2020	CERES: “Climate change and European aquatic RESources” financed by the European Commission, Horizon 2020 - Research and Innovation Framework Programme, as PI for SMHI participation from 2018. Project period: 2016-2020.
2016-2020	“ Effect of a natural Baltic oxygenation-deoxygenation cycle on benthic recycling of P, N, Si and C - An in situ observation and modelling study ” financed by the Swedish research council. Researcher and project leader for the SMHI participation in the project. Project period: 2016-2019.

- 2014-2020 “**Estimating nitrogen fixation in past and future climates of the Baltic Sea**” financed by Formas, participating as a researcher in the project. Project period: 2014-2018.
- 2014- 2018 Bonus **Bio-C3** (Biodiversity changes – causes, consequences and management implications), participated as researcher.
- 2014 - 2017 Bonus **COCOA** project (Nutrient COcktails in COAstal zones of the Baltic Sea) as researcher (2014) and PI for the SMHI participation and work package leader in work package 5 (from 2015). Project period: 2014-2017
- 2015-2016 “Reconstructing and projecting Baltic Sea climate variability 1850-2100” financed by the Swedish research council participated as researcher. Project period: 2013-2015.
- 2010-2012 “Impact of accelerated future global mean sea level rise on the phosphorus cycle in the Baltic Sea” financed by Formas, participated as researcher.
- 2005-2007 **BANSAI** (The Baltic and North Sea marine environmental modelling Assessment Initiative) financed by the Nordic Council of Minister´s Sea and Air group, participated as researcher.
- 2004-2007 EU-STREP **COBO** project (Integrating new technologies for the study of benthic ecosystem response to human activity: towards a Coastal Ocean Benthic Observatory) participated as Ph.D. student.
- 2004 EU-INTAS program (project no. 2001-0735) participated as Ph.D. student.
- 2003-2004 EU-project **HABILE** (Harmful Algae Blooms Initiation and Prediction in Large European Marine Ecosystems) participated as a researcher.

Grants

Main applicant of the successful research proposal:

- “Regional spreading of pollutants from fibre banks in the Bothnian Sea”, 1 659 432 SEK funded by the Geological Survey of Sweden, 2018-2020,

Co-applicant of the successful research proposals:

- Nordic Council of Ministers, “Nordiske klimaScenarioer - NorScen”, 3 600 00 DKK
- FORMAS, 2022-02117. “A new forecast framework for algae bloom hazard to secure future water supply and development of tourism on Gotland: ALGOT”, 14 513 537 SEK.

and to a large degree been involved in writing the successful research proposals:

- the Swedish Research Council, 2016-2019, “Effect of a natural Baltic oxygenation-deoxygenation cycle on benthic recycling of P, N, Si and C - An in situ observation and modelling study”, 5085000 SEK
- FORMAS, 2014-2018, “Estimating nitrogen fixation in past and future climates of the Baltic Sea”, 5135000 SEK
- FORMAS, 2010-2012. “Impact of accelerated future global mean sea level rise on the phosphorus cycle in the Baltic Sea”, 4671000 SEK.

Teaching experience

2017 Supervision of the master student Ivo Hoefsloot.

2006 Assisting supervision of the master students Anna Apler and Sara Andersson in Marine Chemistry, main supervisor: Per Hall.

Special commitments

- 2021- Representing Sweden in the joint ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea.
- 2018- Representing Sweden in the ICES Working Group on Integrative, Physical-biological and Ecosystem Modelling.
- 2017 - Board member, treasurer of the Swedish Society for Marine Sciences. www.shf.se
- 2016 Board member of the Swedish Society for Marine Sciences. www.shf.se
- 2006 A member in the election committee for the Swedish Society for Marine Sciences.

Review

Reviewer for peer reviewing journals including Ambio, Biogeoscience, Environmental Modelling Assessment, Estuarine Coastal and Shelf Science, Environmental Technology, Marine Ecology Progress Series, Marine Pollution Bulletin, Oceanologia, PlosOne

Swedish Mother tongue

English Very good

Bibliometric summary

In total 1647 citations of which 991 are since 2018.

H-index is 22 in total and 19 since 2018.

Source: from Google Scholar 2023-03-17.