
Personal Details

Name: Tinja Olenius
 Telephone: +46 76 495 7787
 E-mail: tinja.olenius@smhi.se, tinja.olenius@alumni.helsinki.fi
 Mailing address: SMHI / Swedish Meteorological and Hydrological Institute, Research Department, Air Quality Research Unit, SE-60176 Norrköping, Sweden

Current Position Air quality researcher, Swedish Meteorological and Hydrological Institute (SMHI)

Education

2015 Doctor of Philosophy, University of Helsinki
 Thesis: *Cluster population simulations as a tool to probe particle formation mechanisms*

2011 Master of Science, University of Helsinki

2010 Bachelor of Science, University of Helsinki

- Major: Physics
- Minors: Theoretical physics, astronomy

Positions Held **Swedish Meteorological and Hydrological Institute (SMHI), Research Department**

2019- Researcher, Air Quality Research Unit

Stockholm University, Department of Environmental Science and Analytical Chemistry (ACES) & Bolin Centre for Climate Research

2017-2019 Research scientist, Atmospheric Science Unit

2015-2017 Post doctoral fellow, Atmospheric Science Unit

University of Helsinki, Department of Physics

2011-2015 PhD student, Computational Aerosol Physics Group, Division of Atmospheric Sciences

2011 Research assistant, Computational Aerosol Physics Group, Division of Atmospheric Sciences

Research Funding

2020-2022 Project *New-generation tools for robust quantification of atmospheric nanoparticle sources*, Swedish Research Council Formas, 3 MSEK (ca. 280 k€), PI

- 2020-2022 Project *Explicit framework from molecular clusters to nanoparticles for resolving atmospheric aerosol formation dynamics*, Swedish Research Council (Vetenskapsrådet), 2.7 MSEK (ca. 251 k€), PI
- 2018 Project *Robust modeling tools for exhaust gas cleaning through gas-to-particle conversion*, the ÅForsk Foundation, 488 kSEK (ca. 47 k€), PI
- 2012- Smaller travel grants of a total of ca. 3 k€

Publications **Peer-reviewed papers in international journals**

- Total 29 research papers; 8 first-author, 8 second-author, and 1 last-author paper
- *h*-index 15, total >1000 citations excluding self-citations (Web of Science, Jan 2020)

Book chapters

- 1 first-author book chapter (In: *Physical Chemistry of Gas-Liquid Interfaces*, Elsevier, 2018)

Presentations **Conference presentations and seminars**

- >20 presentations in international conferences and workshops
- Several seminars at e.g. Stockholm University, KTH Royal Institute of Technology, and University of Oulu

2019 Invited talk at European Meteorological Society (EMS) annual meeting

2017 Invited talk at International Aerosol Modeling Algorithms (IAMA) conference

Positions of Trust **Reviewer for journals**

- Atmospheric Chemistry and Physics (2016, 2017, 2018)
- Chemosphere (2019)
- Environmental Science & Technology (2013, 2018, 2019)
- Industrial & Engineering Chemistry Research (2019)
- Journal of Aerosol Science (2014)
- Journal of Geophysical Research: Atmospheres (2018)
- Journal of Physical Chemistry A (2014, 2017, 2019)
- Nature Communications (2018)
- Physical Chemistry Chemical Physics (2015)

Teaching Experience **Teaching and developing undergraduate and PhD-level courses**

2017-2019 Modeling tools for environmental scientific studies (Modelleringsverktyg för miljövetsenskapliga undersökningar), Stockholm University, Department of Environmental Science and Analytical Chemistry, 7.5 ECTS, undergraduate course, 49 hours

2014 Formation and growth of atmospheric aerosols, University of Helsinki, Department of Physics, 5 ECTS, PhD course, 25 hours

2011-2013 Thermal physics (Termofysiikka), University of Helsinki, Department of Physics, 8 ECTS, undergraduate course, 100 hours

Supervising Experience

Advisor for

- 3 bachelor theses (Paula Hietala 2016, Roope Halonen 2015, Matti Ala-Lahti 2014)
- 1 post doctoral researcher (Dr. Jenni Kontkanen 2017)