CV: CARSTEN AMBELAS SKJØTH (11 SEP 1973)

Nationality: Danish

Google scholar: https://scholar.google.com/citations?user=AA2ZvMQAAAAJ&hl=en .

- **EDUCATION**

2009.03.10 PhD: Niels Bohr Institute, Copenhagen University, DK

- **CURRENT POSITION(S)**

2022 – Professor in Aerobiology, Dep. of Environmental Sciences, Aarhus University, DK

- **PREVIOUS POSITIONS**

2016 – 22 Professor of Atmospheric Sciences, University of Worcester

2013 – 16 Senior Lecturer, School of Science and the Environment, University of Worcester, UK

2009 – 12 Post Doc, Lund University and Aarhus University

- **FELLOWSHIPS, AWARDS AND MOST IMPORTANT GRANTS (23 in total)**

2026 – 29 Individual, Novo Nordisk Exploratory Instrumental Research grant (0.76mEuro), Aarhus University, DK

2022 – 29 Individual, Novo Nordisk RECRUIT grant (2.2mEuro), Aarhus University, DK

2019 – 24 Networking, COST Action ADOPT, Scientific network grant (~ 800kEuro)

2014 – 20 Collaborative, UK Research council from BBSRC (£1.9m, PI £240k) and NERC (£1.2m, PI £208k)

2009 – 15 Individual, three Post Doc Fellowships: Danish Research Council, Nordic Top Researcher Initiative, Villum Foundation

- **SUPERVISION OF GRADUATE STUDENTS, POSTDOCTORAL FELLOWS & TEACHING**

2014 - 26 Line managed 6 post docs. Supervised 6 PhD students and 21 BSc dissertations

- **SELECTED ORGANISATION OF SCIENTIFIC MEETINGS AND KEY NOTE LECTURES**

2019 - 24 Chair of COST ADOPT: Led core group meetings and co-organiser of all schools, Session-chair or co-chair at 7 international aerobiological conferences.

2014-24 8 key note lectures, e.g. 7th Eur. Symp. on Aerobiology, Cordoba, 16-20 Nov 2020.

- **REVIEWING, PANEL AND PHD OPPONNENT ACTIVITIES**

2015 -25 Reviewed applications from 6 national research councils. Opponent on 7 PhD dissertations, reviewer in 15 journals, Board Member for Newton Fund

- **PUBLICATIONS**

148 records in web-of-science, h-index 48, 5992 citations. 19 as first author (6 in leading journals), Senior or co-author in one Nature and four Nature & Science journals. Senior author in many leading journals for my discipline.

- **KEY QUALIFICATIONS**

20 years of experience with observational campaigns, focus on emissions from nature, new detection methods and advancing atmospheric models. +20 years of experience with modelling meteorological driven emissions of NH3 and bioaerosols. 20 years of experience with foot print modelling using HYSPLIT. 20 years of experience in modelling agricultural management practice. Manager experience by leading a research group and completing large long-term research council projects. Formulated and lead the COST network ADOPT (2019-24): A funded network with 35 countries and 138 individual scientists focusing on new detection methods on bioaerosols. 12 years of international experience. Relocated to Aarhus University in Sep. 2022, facilitated by a 7-year funded by Novo Nordisk RECRUIT programme.

- **SELECTED PUBLICATIONS**

1. C-E Pogner, Celia Antunes, GP Apangu, Nicolas Bruffaerts, Sevcan Celenk, Antonella Cristofori, N González Roldán, Agnieszka Grinn-Gofroń, Beatriz Lara, Mirela Lika, Donát Magyar, Moises Martinez-Bracero, Lucia Muggia, Babette Muyshondt, David O'Connor, Alberto Pallavicini, MA Marchã Penha, Rosa Pérez-Badia, Helena Ribeiro, A Rodrigues Costa, Zsófia Tischner, Merita Xhetani, **C Ambelas Skjøth** (2024) Airborne DNA: State of the art–Established methods and missing pieces in the molecular genetic detection of airborne microorganisms, viruses and plant particles, Science of The Total Environment, Volume 957, https://doi.org/10.1016/j.scitotenv.2024.177439
2. Apangu G., Frisk, C., Getch, P., Hanson, M., **C Ambelas Skjøth** (2024), Unmanaged grasslands are a reservoir of Alternaria and other important fungal species with differing emission patterns, Journal of Environmental Management, Volume 370, November 2024, 122416, https://doi.org/10.1016/j.jenvman.2024.122416
3. Hanson, Mary, Petch, Geoffrey, Ottosen, Thor-Bjorn and **Skjoth, Carsten** (2022) Climate change impact on fungi in the atmospheric microbiome. Science of the Total Environment., 830, 154491, https://www.sciencedirect.com/science/article/pii/S0048969722015844
4. Frisk, Carl A. , Apangu, Godfrey, Petch, Geoffrey, Adams-Groom, Beverley and **Skjøth, C.** (2022) Atmospheric Transport Reveals Grass Pollen Dispersion Distances. Science of the Total Environment, Volume 814,152806, https://doi.org/10.1016/j.scitotenv.2021.152806
5. Al Kurganskiy, S Creer, N de Vere, G W. Griffith, N J. Osborne, B W. Wheeler, R N. McInnes, Y Clewlow, A Barber, G L. Brennan, H M. Hanlon, M Hegarty, C Potter, F Rowney, B Adams-Groom, G M. Petch, C H. Pashley. J Satchwell, L de Weger, K Rasmussen, G Oliver, C Sindt, N Bruffaerts, **C A. Skjøth** (2021) Predicting the severity of the upcoming grass pollen season and the effect of climate change in Northwest Europe, Science Advances, 26 Mar 2021: Vol. 7, no. 13, eabd7658, https://advances.sciencemag.org/content/7/13/eabd7658