

CURRICULUM VITAE

AINO KALSKE

Personal details and date of CV

Surname: Kalske

First names: Aino Maria

ORCID: <https://orcid.org/0000-0003-3850-8996>

Date of CV: 29.10.2025

Degrees

- 11.4.2023 Title of Docent in Evolutionary Ecology, University of Turku, Finland
- 25.6.2015 PhD in Ecology, Department of Biology, University of Turku, Finland (sci@utu.fi, Faculty of Science, 20014 University of Turku)
- 25.8.2011 MSc (FM) in Ecology, Department of Biology, University of Turku, Finland
- 21.12.2010 BSc (LuK) in Ecology, Department of Biology, University of Turku, Finland

Language skills

Finnish (Native), English (Proficient), Swedish (Intermediate), Spanish (Elementary), French (Elementary)

Current employment

1.9.2023 – 31.8.2026 University Lecturer in Plant Ecology, Department of Biology, University of Turku, Finland (stage III of the academic research career)

Previous work experience

- 1.6.2023 – 31.12.2024 External expert on invasive alien species for Finnish Environmental Institute (SYKE), Helsinki, Finland (secondary commitment)
- 1.1.2022 – 31.8.2023 Postdoctoral Researcher, Academy of Finland project (PI Satu Ramula), University of Turku, Finland
- 1.1.2019 – 31.12.2021 Postdoctoral Researcher, Turku Collegium of Science Medicine and Technology, University of Turku, Finland
- 1.1.2017 – 31.12.2018 Postdoctoral Research fellow, Kone Foundation Fellowship, Cornell University, Ithaca, NY, USA
- 13.1.2016 – 31.12.2016 Postdoctoral Researcher, Cornell University, Ithaca, NY, USA
- 1.7.2015 – 31.11.2015 Postdoctoral Researcher, University of Turku Foundation fellow, University of Turku, Finland

Career breaks

Maternity leave 24.7.2024 – 21.6.2025 (11 months)

Research funding and grants

- 2022 INTERACT Transnational Access for field work at arctic field stations (3640 €), main responsibility of the writing, budgeting, coordinating and submitting the proposal, PI: me, collaborator: William Wetzel (Michigan State University)
- 2018 Finnish Cultural Foundation, V-S regional fund, research grant (7000 €), main responsibility of the writing, budgeting, coordinating and submitting the proposal, PI: me
- 1.1.2017 – 31.12.2018 Postdoctoral research grant, Kone Foundation (89 000 €), main responsibility of the writing, budgeting, coordinating and submitting the proposal, PI: me
- Doctoral dissertation grants: Emil Aaltonen Foundation (10 400 €), Turku University Foundation (9894 €)

Research output

- **24 peer-reviewed scientific** publications, of which **12 as first author** and **5 as last author**.

H-index = 12 (Google Scholar), **974 citations since 2012**, most cited publication currently with 480 citations (Google Scholar) in seven years.

- Three publications in **high impact journals** (Science, Current Biology).
- Ten most cited publications in order of number of citations from highest to lowest (citations based on Google Scholar):

1. Kessler A & **Kalske A** (2018) Plant secondary metabolite diversity and species interactions. *Annual Review of Ecology Evolution and Systematics*, 49: 115–138, <https://doi.org/10.1146/annurev-ecolsys-110617-062406> (480 citations)
2. **Kalske A**, Shiojiri K*, Uesugi A, Sakata Y, Morrell K & Kessler A. (2019; *joint first authors) Insect herbivory selects for volatile-mediated plant-plant communication. *Current Biology*, 29: 3128–3133, <https://doi.org/10.1016/j.cub.2019.08.011> (118 citations)
3. Kessler A, Mueller MB, **Kalske A** & Chautá A (2023) Volatile-mediated plant–plant communication and higher-level ecological dynamics. *Current Biology*, 33: R519–R529, <https://doi.org/10.1016/j.cub.2023.04.025> (62 citations)
4. Leimu R, Muola A, Laukkanen L, **Kalske A**, Prill N & Mutikainen P (2012) Plant-herbivore coevolution in a changing world. *Entomologia Experimentalis et Applicata*, 144: 3–13, <https://doi.org/10.1111/j.1570-7458.2012.01267.x> (47 citations)
5. **Kalske A**, Muola A, Laukkanen L, Mutikainen P & Leimu R (2012) Variation and constraints of local adaptation of a long-lived plant, its pollinators, and specialist herbivores. *Journal of Ecology*, 100: 1359–1372, <https://doi.org/10.1111/j.1365-2745.2012.02008.x> (44 citations)
6. Herbivory Variability Network (Incl. **Kalske A**) (2023) Plant size, latitude, and phylogeny explain within-population variability in herbivory. *Science*, 382: 679–683, <https://doi.org/10.1126/science.adh8830> (38 citations)
7. **Kalske A**, Mutikainen P, Muola A, Scheepens JF, Laukkanen L, Salminen J-P & Leimu R (2014) Simultaneous inbreeding modifies inbreeding depression in a plant-herbivore interaction. *Ecology Letters*, 17: 229–238, <https://doi.org/10.1111/ele.12223> (26 citations)
8. Howard MM, **Kalske A** & Kessler A (2018) Eco-evolutionary processes affecting plant-herbivore interactions during early community succession. *Oecologia*, 187: 547–559, <https://doi.org/10.1007/s00442-018-4088-4> (21 citations)
9. **Kalske A**, Blande JD & Ramula S (2022) Soil microbiota explain differences in herbivore resistance between native and invasive populations of a perennial herb. *Journal of Ecology*, 110, 2649–2660, <https://doi.org/10.1111/1365-2745.13975> (20 citations)
10. **Kalske A**, Leimu R, Scheepens JF & Mutikainen P (2016) Spatiotemporal variation in local adaptation of a specialist insect herbivore to its long-lived host plant. *Evolution*, 70: 2110–2122, <https://doi.org/10.1111/evo.13013>. (19 citations)

Research supervision and leadership experience

- Co-supervisor of 2 PhD students at the University of Turku (Emilia Mäkinen and Akanksha Ingale, ongoing)
- Principal supervisor of 4 MSc students at the University of Turku (3 graduated, 1 ongoing)
- Co-supervisor of 3 MSc students at the University of Turku (1 graduated, 2 ongoing)
- Principal supervisor of 2 BSc student at the University of Turku (graduated)

Teaching merits

- 60 ECTS of pedagogical training as part of MSc studies 2010 – 2011
- Participated in training for doctoral thesis supervisors organized by the University of Turku Graduate School 2021
- Launched and lead a biweekly Evolutionary Ecology Journal Club for early career researchers (PhD students and postdocs) at the University of Turku 2021 – ongoing

- Developed and taught a practical for a Plant Behavior and Biotic Interactions course (BIONB 4460; BSc 3rd year) at Cornell University, NY, USA where students experimentally manipulated the competitive environment of the study plants and measured the effect of competition on herbivore resistance and leaf phytochemical concentration in 2017.
- Participated in development of Field Plant Ecology (Terrestrisen kasviekologian kenttäkurssi; EKOL2302) at the University of Turku in 2021 and 2022.
- Responsible teacher of a 5 ECTS MSc level course of Geographical Plant Ecology (EKOL2311) at the University of Turku in 2024.
- Taught on 12 courses at the University of Turku and two courses at Cornell University. Course topics include ecology (introduction to ecology, populations, species interactions), evolution, genetics, statistics, career development and field ecology.

Awards and honours

- Teaching demonstration for the title of Docent received the highest score of excellent
- Best PhD thesis in ecology and evolutionary biology in 2015, Oikos Finland (2016)
- Best student poster presentation, POPBIO-meeting (2011)

Other key academic merits

- Member of doctoral dissertation committee (student Samanvitha Santusht, University of Helsinki) (2025 – present)
- Organized a workshop entitled “CAFF - PAME: Marine Connectivity and Invasive Alien Species, with a special focus on salmon” at UN/LCIPP & Arctic Council Joint Regional Gathering for the Arctic Region, Kirkenes, Norway together in collaboration with the Finnish Environmental Institute (SYKE) in 2023
- Conference symposium organizer on “Evolutionary Ecology of Chemically Mediated Species Interactions in Plants” at the European Evolutionary Biology meeting in Prague (2022)
- Arctic Coordinator in Herbivory Variability Network (2021 – present)
- Organizer of the departmental Research in Biology seminar series, University of Turku (2021)
- Member of the infrastructure group of the Department of Biology, University of Turku (2020 – present)
- Reviewer of research proposals for Cornell Sigma Xi Research Grants (2018)
- Invited international speaker at the Annual meeting of the International Society of Chemical Ecology, Kyoto, Japan (2017)
- Invited speaker for the Department of Ecology and Evolutionary Biology Seminar, Cornell University, Ithaca, NY USA (2017)
- Student member of the steering committee of the University of Turku Graduate School (2015)
- Student member of the steering committee of the Doctoral Program in Biology, Geography and Geology in the University of Turku Graduate School (2013 – 2015)
- Member of preparatory committee for the audition of doctoral education, University of Turku (2014)
- Member of the organizing committee for the Meeting of the Scandinavian Association for Pollination Ecologists (SCAPE), Lammi, Finland (2013)
- Reviewed 30+ articles for journal including PNAS, eLife, Ecology Letters, American Naturalist, Proceedings of the Royal Society B, Journal of Ecology, New Phytologist, Heredity, Molecular Ecology, Oikos, Plant Biology

Scientific and societal impact

- Expert panelist in a discussion on nature’s rights “Elävät oikeudet” event (2025)
- Published datasets related to five articles in Dryad (2014 – 2022) and two microsatellite marker sets in GenBank (2018 – *Lygaeus equestris*, 2021 – *Vincetoxicum hirundinaria*)
- Speaker at the Sustainability and Academic Research Symposium, University of Turku, Turku, Finland (2021)
- Public lectures in the public library (2020) and in the biological museum (2024) in Turku, Finland

- Interviewed for podcasts: science podcast Tiedeykkönen (2020) and “Keskiyön kaninkolo” by Helsingin sanomat (2025)
- Featured on a University of Turku YouTube channel in a video about plant-plant communication (2019)

Other

- International certificate for operators of pleasure craft for coastal sailing and motorboating (2022)
- Secretary of Turku Zoological and Botanical Society (Turun eläin ja Kasvitieteellinen seura) 2023 – 2025