

Curriculum Vitae / Hanna Tuomisto

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Google Scholar <https://scholar.google.fi/citations?hl=da&user=2sjc1BEAAAAJ>
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Degrees

8.6.1999 Title of Docent, Tropical Ecology, University of Turku, Finland
27.10.1994 Ph.D. degree in botany, University of Turku, Finland
24.5.1990 M.Sc. degree in botany, University of Helsinki, Finland
31.5.1983 Matriculation exam, Kuopion klassillinen lukio, Kuopio, Finland

Linguistic skills (Europass level in understanding / speaking / writing)

Native: Finnish
Fluent: English (C2/C2/C2)
Spanish (C2/C1/C1); Dutch (C2/C1/C1); Swedish (C2/C1/C1)
Intermediate: Portuguese (C1/C1/B1); Danish (C1/C1/B1); German (C1/B2/B2)
Passive: Norwegian (C1); Italian (B2); French (B1)
Basics: Greek (A1)

Current employment

1.8.2023– Professor in Tropical Ecosystems, Department of Biology, Aarhus University, Denmark (80% time allocation)
1.8.2019– Professor in Ecology, Department of Biology, University of Turku, Finland (full-time until 31.7.2023, 20% time allocation from 1.8.2023)

Previous work experience (since 2000)

1.10.2017–31.7.2019 Professor in Botany, Department of Biology, University of Turku
1.1.2003–31.7.2019 University lecturer in Biodiversity research, Department of Biology, University of Turku (on leave 1.10.2017–31.7.2019, 1.9.2012–30.6.2013 and 1.8.2003–31.7.2008)
1.9.2012–30.6.2013 Acting professor in Biodiversity research and environmental sciences, Department of Biology, University of Turku
1.8.2003–31.7.2008 Research fellow, Research Council for Biosciences and Environment, Academy of Finland
1.8.2000–31.12.2002 Senior teaching assistant, Department of Biology, University of Turku

Administrative tasks (since 2016)

Member in the Research Board of Department of Biology, Aarhus University (1.8.2023–).
Deputy Head of Department, Department of Biology, University of Turku (1.1.2020–31.7.2023).
Member in the Education Planning Board of the Faculty of Science, University of Turku (1.1.2021–31.7.2023).
Administrative superior for career level III teaching personnel and researchers at the Department of Biology, University of Turku (1.1.2020–31.7.2023).
Member in the Education Planning Board of the Faculty of Science and Engineering, University of

Turku (15.1.2020–31.12.2020).
Administrative superior for post-doctoral researchers at the Department of Biology, University of Turku (1.1.2018–31.12.2019).
Member in the steering committee of the "Researcher's database and e-lab diary" project of the IT services in the University of Turku (2016–2019).
Member in the working group on research related IT services in the University of Turku (2015–2017).
Director of the Doctoral programme in Biology, Geography and Geology (BGG) of the University of Turku (1.9.2013–31.8.2017).
Head of the Section of Biodiversity and Environmental Science of the Department of Biology, University of Turku (1.9.2014–31.12.2016, 1.9.2012–30.6.2013).

Research funding (since 2010, only grants \geq 10,000 EUR where I am the PI)

2023–2026 Aarhus University Foundation, startup grant
2023–2026 Danish National Research Foundation, DNRF Chair grant
2022–2026 Academy of Finland, Research Council for Biosciences, Health and Environment, research grant
2022–2023 Turku University Foundation, research grant
2021–2025 BiodivERsA COFUND Joint Call 2019–2020 "Biodiversity and Climate Change" (PI of consortium with 5 participants)
2014–2018 Academy of Finland, Research Council for Biosciences and Environment, research grant (joint funding SA-FAPESP)
2011–2016 Academy of Finland, Research Council for Biosciences and Environment, research grant (development studies)
2011 Finnish Cultural Foundation, research grant (together with Samuli Lehtonen and Mirkka Jones)

Research supervision and leadership experience

Leader of the Amazon Research Team of the University of Turku, 2000–2023
Main supervisor of 8 postdoctoral researchers 2007-current.
Main supervisor of 13 PhD students at University of Turku (2 ongoing, 11 completed) and 1 PhD student at Aarhus University (ongoing); co-supervisor of 5 PhD students (2 completed at University of Turku; 1 completed at National Institute of Amazonian Research, Brazil; 1 completed at Federal University of Pará, Brazil; 1 completed at Duke University, USA).
Supervisor of 4 ongoing and 24 completed MSc theses in Finland and of 2 completed BSc-level theses in Peru.

Teaching merits (since 2016)

Courses given since 2023 at Aarhus University: Eucaryotes (plants), Ecology
Courses given regularly since 2016 at University of Turku: Advanced issues in biodiversity research, Basic ecology, Biological researcher course, Geographical plant ecology, Human evolution, PhD seminar, Spatial biodiversity informatics and landscape ecology, Statistical methods in ecology: multivariate analysis, Tropical ecology.
Responsible professor for the planning of teaching curricula in the Department of Biology, University of Turku (1.1.2020–31.7.2023)
Coordinator for international student and staff exchange of the Department of Biology, University of Turku (spring 2009–fall 2019).

Organised the event "BGG Baltic Sea symposium 2017 – Broadening the Horizon beyond the Sea" of the Doctoral Programme in Biology, Geography and Geology of the University of Turku (2017).

Organised Doctoral Training Days of the Doctoral Programme in Biology, Geography and Geology of the University of Turku (2016, 2015, 2014).

Organised intensive 1-week courses in Peru (in Spanish) and Brazil (in Portuguese), 2016.

Many presentations for the general public in schools, science days and thematic clubs.

Awards and honours

International Biogeography Society (IBS) 2024 Distinguished Fellow Award, 2023

Invited member in the Finnish Academy of Science and Letters, 2021

Invited foreign member in the Royal Danish Academy of Sciences and Letters, 2018

The Adjunct Professor of the Year award of Turun yliopistojen dosenttiyhdistys–Docentföreningen vid universiteten i Åbo, 2007

The Recognition Award of the Academy of Finland, 2004

Other key academic merits

Assessment of applications for professorship: University of Helsinki, 2023.

Official opponent of PhD dissertations: 2018 (University of Glasgow, UK), 2013 (Universidad Autónoma de Madrid, Spain), 2002 (Aarhus University, Denmark).

Pre-examiner of PhD dissertations: 2021, 2014, 2011 and 2009 for University of Helsinki; 2009 for University of Oulu; 2003 and 2001 for Makerere University (Uganda)

Assessment of applications for Title of Docent: 2021, 2019 (x 2) and 2013, all for University of Helsinki

Assessment of applications for scientific funding (since 2015): 2023 (EDGE of existence project), 2020 (French National Research Agency), 2016–2019 (International Peer Review Panel of the Danish Council for Independent Research | Natural Sciences), 2015 (Estonian Research Council).

Invited keynote presentations in international conferences (since 2006): 2016 (59th Annual Symposium of the International Association for Vegetation Science, Brazil), 2015 (Next Generation Pteridology, USA), 2010 (13th Nordic Meeting on Tropical Botany, Norway), 2007 (20th Annual Meeting of the Society for Tropical Ecology, Germany), 2006 (3rd European Plant Science Organisation Conference, Hungary).

Field work experience: French Guiana 2 weeks (2020); Ecuador 5.5 months (2019, 1998, 1997, 1996); Mexico 3 weeks (2017); Brazil 12 months (2023, 2022, 2016, 2012, 2008); Peru 30 months (2016, 2005, 2002, 1990–1998); Panama 1 month (2005, 1995); Jamaica 1 month (2004); Costa Rica 1 month (2001); Malesia 1 week (2000); Colombia 3 months (1998, 1991).

Positions of trust in scientific societies: Oikos Finland, member of governing board 2019–2023, secretary 2021–2023.

Editor for scientific journals: Deputy Editor in Chief of Ecography 2017–2020; Subject or Associate Editor of Ecography 2010–2017, Journal of Ecology 2004–2007, Biotropica 2003–2007, Anales del Real Jardín Botánico de Madrid 2003–2006.

Publications

Total numbers

Peer reviewed publications: 150
Other scientific publications: 29
Congress abstracts: 122
H-index in Web of Science: 42
H-index in Google Scholar: 57

10 most cited publications

- The Pteridophyte Phylogeny Group (PPG I)** 2016. A community-derived classification for extant lycophytes and ferns. *Journal of Systematics and Evolution* 54: 563-603. (112.67 citations/year, total 1,014)
- Tuomisto, H.**, Ruokolainen, K. & Yli-Halla, M. 2003. Dispersal, environment, and floristic variation of western Amazonian forests. *Science* 299: 241–244. (34.55 citations/year, total 760)
- Tuomisto, H.** 2010. A diversity of beta diversities: straightening up a concept gone awry. Part 1. Defining beta diversity as a function of alpha and gamma diversity. *Ecography* 33: 2–22. (49.47 citations/year, total 742)
- Borcard, D., Legendre, P., Avois-Jacquet, C. & **Tuomisto, H.** 2004. Dissecting the spatial structure of ecological data at multiple scales. *Ecology* 85: 1826-1832. (34.90 citations/year, total 733)
- Tuomisto, H.**, Ruokolainen, K., Kalliola, R., Linna, A., Danjoy, W. & Rodriguez, Z. 1995. Dissecting Amazonian biodiversity. *Science* 269: 63–66. (11.27 citations/year, total 338)
- Tuomisto, H.** & Ruokolainen, K. 2006. Analyzing or explaining beta diversity? Understanding the targets of different methods of analysis. *Ecology* 87: 2697–2708. (12.84 citations/year, total 244)
- Tuomisto, H.** 2010. A consistent terminology for quantifying species diversity? Yes, it does exist. *Oecologia* 4: 853–860. (16.00 citations/year, total 240)
- Tuomisto, H.**, Poulsen, A.D., Ruokolainen, K., Moran, R.C., Quintana, C., Celi, J. & Cañas, G. 2003. Linking floristic patterns with soil heterogeneity and satellite imagery in Ecuadorian Amazonia. *Ecological Applications* 13: 352–371. (8.18 citations/year; total 180)
- Tuomisto, H.**, Ruokolainen, K., Aguilar, M. & Sarmiento, A. 2003. Floristic patterns along a 43-km long transect in an Amazonian rain forest. *Journal of Ecology* 91: 743–756. (7.68 citations/year; total 169)
- Jones, M.M., **Tuomisto, H.**, Borcard, D., Legendre, P. Clark, D.B. & Olivas, P.C. 2008. Explaining variation in tropical plant community composition: influence of environmental and spatial data quality. *Oecologia* 155: 593–604. (9.76 citations/year; total 166)