CURRICULUM VITAE: Alexandre Antonelli

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*My passion is nature, and my mission is to **understand and protect biodiversity**. To tackle this major challenge, I study the distribution and evolution of species, develop methods to speed up research and conservation, and collaborate with scientists around the world. My focus is on the tropics, where most species occur and the threats are most acute.*

ACADEMIC PROFILE

36,967 citations, h-index: 90, i10-index: 278
342 scientific publications in journals and books, 293 of which are peer-reviewed, including in several *Nature* journals, *Science*, *PNAS*. Selected and full list of publications at end of CV; current statistics here.
ORCID: 0000-0003-1842-9297 | Web of Science ResearcherID: A-5353-2011| Exaly profile: 8063527
KEYWORDS: AI – BIODIVERSITY – BIOGEOGRAPHY – CONSERVATION – EVOLUTION –– NEOTROPICS – PHYLOGENETICS

EMPLOYMENT

Current:

- **Executive Director of Science – Royal Botanic Gardens, Kew (Feb 2019 – present)**
  RBG Kew is the world's leading botanical garden in terms of research and collections of plants and fungi. My role entails leadership and management across the entire Science Directorate (over 600 staff + c 300 associated researchers) and scientific collections at our sites in Kew Gardens, Wakehurst and Madagascar.
- **Full Professor in Systematics and Biodiversity – University of Gothenburg (Jun 2015 – present)**
  Leader of an active and cross-disciplinary research group in evolutionary biology, supervisor of several students and postdocs, and lecturer in courses at basic and advanced levels.

Previous:

- Founder & Director – Gothenburg Global Biodiversity Centre (Jan 2017 – Mar 2019)
- Chairman and Founder – knowme.earth (2015 – 2020)
- Scientific Curator – Gothenburg Botanical Garden (Aug 2010 – Jan 2019)
- Science Advisor – Universeum Science Centre (Jan 2016 – Dec 2018)
- Cisneros Visiting Scholar – Harvard University (Jan 2018 – Jul 2018)
- Associate Professor and Senior Lecturer – University of Gothenburg (Apr 2014 – Jun 2015)
- Researcher – University of Gothenburg (Jan 2012 – Apr 2014)
- Associate staff member – Panama Canal Project (Sep 2011 – Dec 2016)
- Postdoctoral Fellow – Institute of Systematic Botany, University of Zurich (Jan 2009 – Jul 2010)
- Assistant teacher – Botanical Institute, University of Gothenburg (July 2003 – November 2008)
- Field assistant – Latnjajaure Field Station, Abisko (July 2001)
- Short-term employments (language interpreter, computer programmer, divemaster, waiter etc) in the UK, France, Mexico, Honduras, Brazil, Sweden (<2001)

DISTINCTIONS, AWARDS AND ADVISORY GROUPS

- Esmond B. Martin Royal Geographical Society Prize (2026)
- "Sweden's most powerful sustainability leaders" (#7), Aktuell Hållbarhet, Sweden (2026)
- Rosén Linné Prize in Botany, Royal Physiographic Society in Lund (2025)
- Appointed as Coordinating lead author, Second Global Assessment, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) (2025–2028)
- Appointed to the WWF International Board of Trustees (2025-)
- Elected Member of Academia Europaea (2024-)
- Elected Foreign Fellow of the Royal Swedish Academy of Sciences (2023-lifetime)
- Visiting Professor, Wuhan Botanical Garden, Chinese Academy of Sciences (2023–2028)
- Distinguished Scientist of the Chinese Academy of Sciences, President's International Fellowship Initiative (2023)
- Elected member of the CBD Informal Advisory Group on Technical and Scientific Cooperation (2023-2025)
- Member of the International Advisory Panel on Biodiversity Credits (2023-)

- Elected Fellow of the Royal Geographical Society (2023-)
- Senckenberg Prize for Nature Research (2022)
- Featured on Web of Science/Clarivate 'Highly Cited Researchers' list every year since 2020 and in the 'Updated science-wide author databases of standardized citation indicators' (listing top 100,000 scientists across all scientific disciplines – Ioannidis et al 2020; DOI: https://doi.org/10.1371/journal.pbio.3000918)
- Visiting Professor in Biology, University of Oxford (2020–)
- Fellow of the Royal Society of Biology (2020-)
- Ebbe Nielsen Challenge, GBIF, 1st prize (2021, with A. Zizka, J. Klein, S. Lindberg, O. Rydén), 1st prize (2020, with I. Ondo, S. Pironon, W. Thuiller, M. Gueguen), 2nd prize (2016, with A. Zizka and D. Silvestro)
- Cisneros Visiting Scholar, DRCLAS, Harvard University (2018)
- 'Sweden's 100 coolest researchers', Swedish Science Festival (2017)
- Elected Fellow of the Royal Society of Arts and Sciences in Gothenburg (2016–lifetime)
- Future Research Leader, Foundation for Strategic Research, Sweden (2016)
- Elected Fellow of the Young Academy of Sweden (2016–2019)
- Elected Fellow of the Young Academy of Europe (2013–2020)
- The Faculty of Science Research Award, University of Gothenburg (2015)
- Wallenberg Academy Fellow, Knut and Alice Wallenberg Foundation (2014)

EDUCATION

- PhD, University of Gothenburg (Jul 2003 – Nov 2008; awarded 03 Feb 2009). Title: "Spatiotemporal Evolution of Neotropical Organisms: New Insights into an Old Riddle".
- MSc, Biology, University of Gothenburg, Sweden (2003)
- Undergraduate studies in biology, University of Geneva (1997, 2 weeks)
- Undergraduate studies in biology, Universidade Estadual de Campinas, Brazil (1996, 6 months)

NEW SPECIES NAMED

- *Ciliosemina* Antonelli (Rubiaceae)
- *Ciliosemina pedunculata* (H.Karst.) Antonelli (Rubiaceae)
- *Ciliosemina purdieana* (Wedd.) Antonelli (Rubiaceae)
- *Cordiera montana* C. H. Perss., Delprete & Antonelli (Rubiaceae)
- In honour: *Siphocampylus antonellii* Lagom. & D. Santam. (Campanulaceae)
- In honour: *Camaridium antonellii* O.Pérez & Bogarín (Orchidaceae)
- In honour: *Periga antonellii* C. Mielke, Koike & Rosa (Saturniidae)

EDITORIAL POSITIONS

- Main editor for joint special issue in *New Phytologist* and *Plants, People, Planet* (2024–2026): Harnessing the Benefits of Digitisation (with Rhian Smith, Isabel Larridon, Damon Little, Charles Davis, Stephen Smith)
- Editor, *Global Change Biology* (2024–2025)
- Associate editor, *Systematic Biology* (2015–2025)
- Main editor for joint special issue in *New Phytologist* and *Plants, People, Planet* (2021–2023): Global Plant Diversity and Distribution (with Rafaël Govaerts, Eimear Nic Lughadha, Renske Onstein, Rhian Smith, Alexander Zizka)
- Guest editor, *Proceedings of the National Academy of Sciences* (2020 – 2021, 2024)
- Main editor for *State of the World's Plants and Fungi* (2020) (with Carolyn Fry, Paul Kersey, Hugh Pritchard, Monique Simmonds and Rhian Smith)
- Main editor for special issue in *Plants, People, Planet* (2020): Protecting and sustainably using the world's plants and fungi (with Simon Hiscock, Sarah Lennon, Monique Simmonds, Rhian Smith, Bennett Young)
- Associate editor, *Journal of Biogeography* (2015 – 2019)
- Associate editor, *Journal of Systematics and Evolution* (2014 – 2020)
- Senior editor for book commissioned by Wiley: Hoorn, C., Perrigo, A. & Antonelli, A. (2018) *Mountains, Climate and Biodiversity*. Wiley-Blackwell, pp 544.
- Associate editor, *Botanical Journal of the Linnean Society* (2011–2016)
- Associate editor, *PhytoTaxa* (2011–2016)

- Main editor for special volume of *Botanical Journal of the Linnean Society* (2012): Neotropical Plant Evolution: Assembling the Big Picture (with Toby Pennington, Colin Hughes and Michael Fay)

FUNDING AWARDED (SELECTION; **c. €8.7M in last 8 years as PI, €8.4m as Co-I**)

As Principal Investigator:

- Swedish Research Council; "**Optimising biodiversity and carbon recovery in Neotropical forests**" (**€348,000**; 2025–2028)
- Private donation for research and conservation (SEK 50,000,000 – c €**4,470,000**) **(**2022–2031)
- Swedish Research Council; 'Online Phylogenetics: Integrating genomic and single gene data in real time' (**€460,000**; 2020–2023)
- Kew Foundation; support package for developing an individual research programme at the Royal Botanic Gardens, Kew from philanthropic sources (**€1,738,000 – £1.5m**; 2019–2023)
- Biodiversity & Ecosystem Services in a Changing Climate; BioDem: Assessing the link between biodiversity and democracy; Co-applicants: Allison Perrigo, Alexander Zizka, Staffan Lindberg (**€14,000**; 2018–2019)
- Biodiversity & Ecosystem Services in a Changing Climate; Co-applicant: Allison Perrigo (**€40,000**; 2018–2019)
- Biodiversity and Ecosystem Services in a Changing Climate; postdoc grant; "Integrating past and future models to mitigate the impact of global change on biodiversity"; Co-applicants: Christine Bacon, Rutger Vos, Johan Ekroos, Niklas Wahlberg (**€13,000**; 2018–2020)
- University of Gothenburg, Faculty of Science Sabbatical Programme (**€110,000**; 2018–2019)
- Harvard University, David Rockefeller Center for Latin American Studies; guest professorship (**€22,000**; Jan-Jun 2018)
- Faculty of Sciences, University of Gothenburg; sabbatical program (**€110,000**; Jan-Jun 2018)
- Wenner-Gren Foundation; sabbatical program (**€13,000**; Jan-Jun 2018)
- Swedish Foundation for Strategic Research, Future Research Leaders; "New tools to study and protect biodiversity" (**€1,130,000**; 2017–2021)
- Gothenburg Global Biodiversity Centre (**€165,000;** 2017-2019)
- Biodiversity and Ecosystem services in a Changing Climate (**€19,000**; 2017)
- Biodiversity and Ecosystem services in a Changing Climate (**€37,000**; 2016–2018)
- European Research Council Proof of Concept; "BioNote – A crowdscience platform for identifying and learning about all species on Earth" (**€150,000**; 2016)
- SciLifeLab; "Testing Traditional Plant Knowledge with Phylogenomics" (**€28,000**; 2015)
- Swedish Research Council; "Assessing biodiversity: Beyond the taxonomic impediment" (**€377,000**; 2016–2019)
- Wallenberg Academy Fellowship; "The rise and fall of species" (**€706,000**; 2015–2020)
- Infrastructure grant, Faculty of Sciences, University of Gothenburg (**€38,000**; 2015)
- The Faculty of Sciences Research Award, University of Gothenburg (**€24,000**; 2015)
- Strategic funding from the University of Gothenburg (**€353,000**; 2015–2020)
- Gothenburg Centre for Advanced Studies in Science and Technology (**€5,000**; 2015)
- Infrastructure grant, Faculty of Sciences, University of Gothenburg (**€47,000**; 2014)
- SciLifeLab Bioinformatics Long-term Support (500 hours of bioinformatics support; "Next-Gen Phylogenetics")
- European Research Council Starting Grant; "The Past, Present and Future of Neotropical Biodiversity" (**€1,500,000**; 2013–2017)
- Strategic funding from the University of Gothenburg (**€354,000**; 2013–2017)
- Carl Tryggers Stiftelse for a post-doc and equipment (**€28,000**; 2013)
- Swedish Research Council; "Neotropical Diversification: When, Where and How?" (**€452,000**; 2012–2015)
- Carl Tryggers Stiftelse (**€31,000**) and Wenner-Gren (**€34,100**) for post-docs, The Johan & Jacob Söderbergs Foundation (**€11,000**); Helge Axson Johnson (**€5,700**) and Wilhelm and Martina Lundgren (**€1,360**) for sequencing; Adlebert Research Foundation (**€2,000**) and Wenner-Gren (**€1,360**) for travel (2012)
- Carl Tryggers Foundation (**€31,300**) for research; the Royal Society of Arts and Sciences in Göteborg (**€3,300**) for fieldwork; Längmanska Kulturfonden (**€3,300**) for conference costs; Martina Lundgren (**€360**) and Helge Axson Johnsons Foundation (**€3,300**) for equipment (2011)
- The Royal Swedish Academy of Sciences (**€16,900**) for fieldwork; The Royal Society of Arts and Sciences in Göteborg (**€4,100**) for fieldwork; Lars Hiertas Minne (**€2,750**) for equipment; Wenner-Gren (**€1,540**) for

conference costs; Wilhelm and Martina Lundgren (**€1,650**) for research costs; Systematics Association (**€1,900**) for equipment (2010)

As co-applicant:

- BECC: Promise and perils of markets for nature's benefits (**€230,000;** 2026)
- NERC-NSF: Tackling The Molecule–Fossil Divide In Angiosperm Evolution Using Fossil Pollen, Super-Resolution Microscopy, And Deep Learning, led by Luke Mander, Open University (**€1m**; 2025-2028)
- MISTRA, BIOPATH – Pathways Towards an Efficient Alignment of the Financial System with the Needs of Biodiversity; led by Lund University (**€4.8m – SEK 50m**)
- European Research Council, Advanced Grant; main applicant Catherine Graham (**€2,500,000**)
- European Training Network/ITN H2020; main applicant Hugo de Boer (**€4,062,035**)
- Swedish Research Council; main applicant Christine Hansen (**€556,000**)
- Vinnova; main applicant Alexander Eiler (**€28,000**; 2017)
- Lundbeck foundation; main applicant Nina Rønsted (**€225,000**; 2015–2016)
- Carlsberg foundation; main applicant Nina Rønsted (**€175,000**; 2012–2013)
- Freja Stipendium; main applicant Nina Rønsted (**€309,000**; 2012–2013)
- National Natural Science Foundation of China; main applicant Qjang Zhang (**€27,200**; 2013-2015)
- Venezuelan Research Council; main applicant Mauricio Bermudez (**€54,000**; 2013–2015)

PEER REVIEWS

African Journal of Microbiology Research; American Journal of Botany; ***American Naturalist****; Annals of Botany; Annali Botanici Fennici; AoB PLANTS; Applied Vegetation Science; Arthropod-Plant Interactions; Australian Journal of Botany;* ***Biological Journal of the Linnean Society****; Biological Reviews; Biotropica; Botanical Journal of the Linnean Society;* ***BMC Biology****; BMC Plant Biology; Brittonia; Cambridge University Press; Cladistics; Ecography;* ***Ecology Letters****;* ***Evolution****; Evolutionary Ecology; Elsevier Academic Press; Filbert Press; Frontiers of Biogeography; Frontiers in Ecology and Evolution; Frontiers in Genetics;* ***Gene****; Geobiology; Geological Journal;* ***Global Ecology and Biogeography****;* ***Heredity****; Journal of Biogeography; Journal of Evolutionary Biology; Journal of Geography and Regional Planning; Landscape and Urban Planning;* ***Methods in Ecology and Evolution****;* ***Molecular Ecology****; Molecular Ecology Resources; Molecular Phylogenetics and Evolution; Natur och Kultur;* ***Nature; Nature Communications****;* ***Nature Ecology and Evolution****;* ***Nature Food; Nature Plants; New Phytologist****; Nordic Journal of Botany; Oecologia; Organisms Diversity and Evolution; Oxford University Press; Perspectives in Plant Ecology, Evolution and Systematics; PhytoTaxa; Plant Systematics and Evolution;* ***PLoS Biology****; PLoS One; Princeton University Press;* ***Proceedings of the National Academy of Sciences of the USA****;* ***Proceedings of the Royal Society B****; Quaternary Science Reviews; Regnum Vegetabile; Rodriguesia; Scientia Danica Series B; Scientific Reports;* ***Science****;* ***Systematic Biology****; Systematic Botany; Taxon;* ***Trends in Ecology and Evolution****.*

PRESENTATIONS (full list available on request)

- **>250** oral presentations at conferences, universities and other institutions around the world (c. 200 invited, 10 plenary, 30 keynote, in 5 languages)
- **Over 300** popular science contributions (talks, popular science articles, public blogs, movies and a book)

TEACHING EXPERIENCE

- The Conference of the Parties. In: Environmental Assessments of Planetary Crises, Department of Biological and Environmental Sciences, University of Gothenburg (MSc course; 2024)
- The role of biodiversity in human and environmental health. (Kew/RHUL MSc course; 2022)
- Biodiversity & Sustainability: Living in harmony with nature. Summer School of Sustainability. (MSc course, University of Gothenburg; 2022)
- Biodiversity loss: Challenges and Solutions. Introductory presentation. (Kew/QMUL MSc course; 2021, 2022, 2023)
- Biogeography: explaining the geographical distribution of organisms, In: Introduction to Evolutionary Biology, Harvard University, USA. (Invited recorded lecture; PhD course; 2021)
- Evolutionary Biogeography: Biodiversity Data from Field to Yield, Natal, Brazil (Course leader; PhD course; 2018)
- Biogeography, In: Plant Diversity and Evolution, Harvard University, USA. (Invited lecture; PhD course; 2018)
- Biogeography, University of Aarhus, Denmark (Invited lectures; PhD course; 2014, 2018)

- Biodiversity Data in Ecology and Biogeography (workshop), University of Kiel, Germany. Botanikertagung (with Alexander Zizka; 2017).
- Discovery club for 4th and 5th classes (c. 10–12 years-old), arranged by the Faculty of Sciences, University of Gothenburg (2016)
- MSc/PhD workshops: Academic Writing (2015 onwards)
- Diversity in Time and Space, Nordic Academy of Biodiversity and Systematic Studies (MSc/PhD course; 2015–2017)
- Competition for 5th class (~10/11 years-old): "Which plant is this?" Co-arrangement with Gothenburg Botanical Garden (2015– 2016)
- Annual course for teachers in Sustainable Development (ca. 70-100 students/lecture), Universeum Science Centre & University of Gothenburg (2014–present)
- BIO217: Evolutionary Biology, First cycle, University of Gothenburg (2014–2015)
- Photography for Biologists, University of Gothenburg (course leader together with Fredrik Plejel; PhD course; 2014)
- Molecular Dating, Natural History Museum of Denmark (PhD course; 2013, 2015)
- Biogeography and Macroecology, University of Aarhus, Denmark (PhD course; 2014)
- Advanced methods in Neotropical Biogeography. Center for the study of biodiversity in Amazonia, Kourou, French Guiana (PhD course; 10–12 October 2013)
- Phylogenetic Systematics and Molecular Dating, Natural History Museum of Denmark, Copenhagen (PhD course; 2013)
- DNA Barcoding, Uppsala University (Seminar at PhD course; 2012)
- Tropical Biodiversity, University of Gothenburg (Seminars at PhD course; 2010, 2012)
- Plant Diversity in the Tropics, Seminars in Gothenburg and field work in Ecuador (PhD course; 2010)
- Angiosperm Plant Families, University of Zurich (PhD course; 2009)
- Phylogeny and classification of Angiosperms, UNICAMP, Brazil (seminars at PhD course; 2008)
- Undergraduate courses: Floristics (basic and advanced levels), Biological Conservation, Ecology, Morphology & Systematics, Plant Diversity and Systematics, Systematic Biology. University of Gothenburg (2003–2008)

SUPERVISORY ROLES (full list available on request)

- As main supervisor/mentor:
  2 post-docs, 2 PhD students, 1 mentee (current); 21 post-docs, 5 PhD students, 4 MSC students (previous)
- As co-supervisor/mentor:
  1 postdoc, 10 PhD students, 2 MSc, (current); 2 postdocs, 28 PhD students, 13 MSc students, 2 mentees (previous)

POSTGRADUATE AND CAREER DEVELOPMENT COURSES

- First Aid in Remote Places (2022)
- Coaching Your Team, Harvard University (2018)
- Delegating Responsibilities, Harvard University (2018)
- Making Feedback Work, Harvard University (2018)
- Fieldwork Safety and Best Practices, Harvard University (2018)
- Academic Leadership, Swedish Foundation for Strategic Research (2017–2021) [Extensive training programme in leadership in science and innovation, co-taught by the Swedish Defence University, including trips to study leadership in Singapore, China and Japan]
- Coaching in Academic Situations, University of Gothenburg (2015)
- Teaching and Learning in Higher Education: applied analysis, University of Gothenburg (2014)
- Supervision for the Experienced Supervisor in Third Cycle Education advanced level, University of Gothenburg (2013)
- Supervision in Postgraduate Programmes, advanced level, University of Gothenburg (2013)
- Teaching and Learning in Higher Education, basic level, University of Gothenburg (2012)
- Plant Systematics, University of Gothenburg (2007)
- Botanical Latin, University of Vienna (2006)
- Biogeography, University of Gothenburg (2006)
- Phylogenetic Systematics and Historical biogeography, University of Copenhagen (2005)
- Algae, University of Gothenburg (2005)

- Functional Plant Anatomy, (2005) University of Gothenburg
- Pedagogy, within Introductory course for PhD students (2004) University of Gothenburg
- Teaching science at undergraduate level (2003) University of Gothenburg
- Botanical nomenclature (2003) University of Gothenburg
- Plant geography (2003) University of Gothenburg
- Field ecology (2004) University of Gothenburg

RESEARCH EXPERIENCE AND TECHNICAL SKILLS

- Specimen collection, identification, and databasing (mainly plants; but also insects, lizards and frogs; totalling >2,000 own specimens)
- Extensive fieldwork in: **Brazil, western Amazonia** (2 weeks, July 2003); **Brazil, Atlantic rainforest and Cerrado** (c 5 weeks in 2022; 8 weeks, December 2003–February 2004); **Costa Rica** (2 weeks, September 2005); **Panama** (2 weeks, September 2005); **Dominican Republic** (2 weeks, 2016); September 2005); **Sweden, Georgia, Austria, Greece** [Crete] (2 weeks each, 2005); **Iceland** (2004); **Switzerland** (2009–2010); **Ecuador** (2 weeks, 2010); **Brazil, central Amazonia** (2 weeks, August 2010); **Australia, Queensland** (1 week, July 2011); **Mexico, central highlands** (2 weeks, August 2011); **Brazil, pampas** (1 week, November 2011); **Uruguay** (2 days, November 2011); **Japan** (2 weeks, August 2012); **USA, Florida** (1 week, January 2013); **Colombia, Chocó and Andes** (3 weeks, April 2013); **Andes and eastern Colombia** (2 weeks, January 2014); **French Guiana** (2 weeks, October 2013); **Brazil, cerrado** (1 week, April 2014); **Peru, Andes and Amazon** (3 weeks, April 2014); **Bolivia, Andes** (2 weeks, October 2015); **Chile, Central and Southern** (3 weeks, January 2016); **South Africa** (2 weeks, August-September 2016); **Mozambique** (2 weeks, October-November 2017); **Panama** (4 days, April 2018); **Madagascar** (2 weeks, October-November 2019); **Tanzania** (8 days, June 2019); **Colombia** (2 weeks, January 2020); **Brazil** (2 weeks, January 2022); **China** (1 week, August 2023); **Costa Rica** (3 days, March 2024); **Colombia** (4 days, October 2024); Indonesia [West Papua] (2 weeks, February 2026); Malaysia [Borneo, Sabah] (2.5 weeks, April 2026).
- Further species identification of plants through herbarium work at UEC (Brazil); SCZ (Panama); HUA (Colombia); JBSD (Dominican Republic); InBio (Costa Rica); S, GB (Sweden); P (France); K, RBGE (U.K.); MA (Spain); TBI (Georgia); Z, G (Switzerland); L, U (Netherlands); QCA (Ecuador); HUH (USA).
- Extensive experience in **laboratory techniques**, including extracting, amplifying and sequencing DNA using Sanger techniques
- Currently leading several projects employing **high-throughput next-generation sequencing** (NGS) techniques, including hybrid sequence capture, transcriptomes, full genomes, ultra-conservative elements
- Botanical **nomenclature and taxonomy**; species descriptions and taxonomic circumscriptions
- **Phylogenetic inference** and phylogenetic comparative methods
- Extensive experience (co-) leading **bioinformatic projects** (SUPERSMART, supersmartR, SECAPR, SpeciesGeoCoder, CoordinateCleaner, sampbias, PyRate, Infomap Bioregions, knowme.earth, raxmlGUI, iucn_sim, Bio-Dem, restez, phylotaR, outsider, wege); see details at http://antonelli-lab.net/software/
- Extensive experience using a large number of **programs and scripts in evolution and ecology**, including phylogenetic inference, biogeographic analyses and molecular dating
- Intermediate knowledge of **programming** (R, Perl, python)

EXPERT ADVISORY ROLES

Grant and prize evaluations:

- Knut & Alice Wallenberg Foundation (2024)
- Stockholm Water Prize (2024)
- Austrian Research Council (2024)
- The Royal Society, UK (2017, 2023)
- European Research Council ERC (Starting and Consolidator Grants) (2022, 2023)
- Czech Science Foundation (Research Grants) (2019, 2016, 2022)
- Swedish Foundation for Strategic Research, Future Research Leaders programme (2022)
- German Research Foundation DFG (2011,2022)
- Knut and Alice Wallenberg (Project Grants; assessments for University of Gothenburg) (2021)
- European Research Council ERC (Consolidator Grants) (2021)
- German Centre for Integrative Biodiversity Research (iDiv) (sDiv Flexible Synthesis Projects) (2021)

- Volkswagen Foundation (2020)
- European Research Council ERC (Synergy Grants) (2019)
- Natural Environment Research Council NERC, UK; Standard Grants (2019)
- TALENT Doctoral Fellowship Programme, Denmark (2019)
- L'Oréal-Unesco For Women in Science (Research prize) (2016, 2018)
- Marsden Fund, New Zealand Royal Society (Research Grants) (2018)
- National Science Foundation, USA (Research Grants) (2016, 2018)
- German Centre for Integrative Biodiversity Research (iDiv) (2018)
- Chilean National Science and Technology Commission (2017)
- The Natural Environment Research Council of the UK (NERC) (2017)
- The Netherlands Organisation for Scientific Research (NWO) (2017)
- Ebbe Nielsen Challenge, Global Biodiversity Information Facility (2017)
- PhD proposal, State University of Feira de Santana (2016)
- German Council of Science and Humanities (Wissenschaftsrat), Federal Ministry of Education and Research BMBF (National Roadmap for Research Infrastructures) (2016)
- Czech Science Foundation (Research Grants) (2019, 2016)
- European Research Council ERC (Advanced Grants) (2015)
- Danish Council for Independent Research (Natural Sciences, Biology panel; Advanced Projects; evaluating c. 35–50 applications / year) (appointed member 2014–2017; Chair of Panel, 2017)
- The Research Foundation Flanders, the Netherlands (2016)
- American Association for the Advancement of Science (AAAS) (2014)
- Executive Agency for Higher Education, Research, Development and Innovation Funding (Environmental protection and management) (2014)
- Swedish Research Council: expert Swedish representative for new VR / FORMAS / CAPES programme in Climate Change Challenges between Sweden and Brazil (2014)
- Swedish Research Council: Invited external evaluator, SciLifeLab (2015)
- National Research Council of Romania (moderator in Biology & Ecology) (2012)
- National Geographic Society (2011, 2012, 2014, 2017)

Commissions of trust:

- Member of the International Expert Advisory Panel to IUCN (2024–)
- Member of the Conservation Advisory Panel, World Land Trust (2024–)
- Member of the International Advisory Panel on Biodiversity Credits (2024–)
- External assessor, Faculty recruitment, Swedish Museum of Natural History (2024)
- Member of the Scientific Advisory Committee, Royal Botanical Garden of Madrid, CSIC (2024–)
- Review of University of Uppsala, Faculty of Sciences and Technology (2024)
- Trustee, World Wide Fund for Nature (WWF) – Sweden (2023–2025)
- Expert input, Updated Global Strategy for Plant Conservation (2023)
- Panellist, The Biodiversity Challenge: Translating COP15 into action. The Curlew Action, online (2023)
- Advisory Committee member, Calleva Research Centre, Magdalen College, University of Oxford (2022–)
- External member, Energy and Environmental Committee, Royal Swedish Academy of Sciences (2022–2025)
- Evaluator, Ebbe Nielsen Award (2022)
- Panellist, Living Planet Report. WWF Sweden, Stockholm (2022)
- Scientific Committee member, MONOCOTS VII, San José, Costa Rica (2022-2023)
- Expert Evaluator, Scientific Council of Natural and Engineering Sciences, Swedish Research Council (2022)
- External assessor, Faculty recruitment, Harvard University (2022)
- Member of Advisory Board, Milkyware / Give One, Sweden (2021–2025)
- Member of Science Advisory Board, Naturalis Biodiversity Centre, The Netherlands (2020–)
- Expert Reviewer, The Dasgupta Review on the Economics of Biodiversity commissioned by the Treasury of the United Kingdom (2020)
- Member of the Defra Group Evidence, Science and Analysis Committee (GESAC) (2020–2026)
- Member of the Science Advisory Committee for the Swedish Biodiversity Data Infrastructure (2019–)
- Expert Reviewer, Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) by the United Nations Intergovernmental Panel on Climate Change (UN IPCC) (2019)
- Strategic Advisor, Plants, People, Planet (New Phytologist Trust (2019–)

- Panellist, “The Gordon Goodman Memorial Lecture 2018”. Stockholm Environment Institute, Royal Swedish Academy of Sciences, Stockholm (25 Sep 2018)
- Co-PI and Deputy Theme Coordinator ("Identifying efficient strategies for biodiversity conservation under the combined pressures from climate change and land use change"). BECC programme - Biodiversity and Ecosystem services in a Changing Climate
- Member of collaboration committee between the University of Gothenburg and Gothenburg Botanical Garden (1 Jul 2017 – 30 Jun 2020)
- Member of reference board, Swedish National Infrastructure for Computing (SNIC) / UGOT
- Member of reference board, project ‘Medicinareberget’ (University of Gothenburg; 2015–2016)
- Member of nomination committee, Swedish Systematics Association (2015–2016)
- Regular consultant for PhD evaluations and grant writing workshops at GU
- Founder (2011) and coordinator, NNB – Network for Neotropical Biogeography; joined in 2018 with the Red Latinoamericana para el Estudio de la Biogeografía Neotropical
- Moderator, “The Societal Value of Science”. University of Gothenburg (Dec 2011)
- Member of Advisory Board for science education, Faculty of Sciences at University of Gothenburg (2010 – current)
- Appointed member of Swedish network for pedagogic development in higher education (2013 – current)
- Appointed member of Supervisor Panel, University of Gothenburg (2014 – current)
- Appointed member of Advisory Board, University Library (2005–2008)
- Appointed member of ‘Dots to Surfaces’ Task Force, Global Biodiversity Information Facility (2015–onwards)
- Treasurer, Silverkällan Housing Society (2004–2007)

Evaluation of theses and promotions:

- Promotion to Docent, Dr. Vitor Hugo Freitas Gomes, University of Turku, Finland (2026) [referee]
- PhD, Barbara Neto-Bradley, University of Cambridge, UK (2025) [referee]
- PhD, Francisco Velásquez, Universität Leipzig, Germany (2025) [referee]
- PhD, Zili Yuan, ETH Zurich, Switzerland (2024) [referee]
- Promotion to Research Director, Dr Heini Kujala, University of Helsinki (2024) [referee]
- PhD, Ben Nyberg, University of Copenhagen, Denmark (2024) [opponent]
- PhD, Patrícia Gueratto, Universidade de Campinas, Brazil (2023) [referee]
- Promotion to Associate Curator, Florida Museum of Natural History, University of Florida (2023) [referee]
- Promotion to Associate Professor, Dr Anahí Espíndola, University of Maryland (2023) [referee]
- PhD, Patrícia Gueratto, Universidade de Campinas, Brazil (2023) [referee]
- Promotion to Personal Chair, Dr Lucy Rowland, University of Exeter (2023) [referee]
- PhD, Vinícius Resende Bueno, Universidade Federal do Rio Grande do Sul, Brazil (2023) [opponent]
- External Evaluator for the position as Professor for Biodiversity of Angiosperms, Goethe Universität (2022)
- External Evaluator for the position as Professor of Plant Systematics and Evolution, Univ of Vienna (2021)
- PhD, Felipe Freitas, University of São Paulo, Brazil (2021) [referee]
- PhD, Alexandre Rejaud, University of Toulouse, France (2021) [opponent]
- Promotion to Research Director, Dr Olivier Hardy, Free University of Brussels, Belgium (2020) [referee]
- PhD, Cecilia Fonseca Fiorini, University of Minas Gerais, Brazil (2020) [referee]
- PhD, Mariana Braga, University of Stockholm, Sweden (2019) [opponent]
- PhD, Diego Bogarín, University of Leiden, Netherlands (2019) [referee]
- Promotion to Associate Professor, Dr Malik Al-Ajlouni, University of Jordan (2019) [referee]
- Promotion to Curator, Dr Richard Ree, Chicago Field Museum, USA (2018) [referee]
- Promotion to Professor, Dr Spyros Sfenthourakis, University of Cyprus (2018) [referee]
- Promotion to Associate Professor, Dr Erin Tripp, University of Colorado, USA (2018) [referee]
- PhD, Patrick Strutzenberger, University of Vienna, Austria (2018) [committee]
- PhD, Maitreya Sil, Indian Institute of Science, Bengaluru, India (2018) [committee]
- PhD, Pedro Luiz Silva de Miranda, University of Edinburgh, UK (2018) [committee]
- PhD, Théo Gaboriau, University of Montpellier, France (2018) [committee]
- Promotion to DSc, Andimuthu Ramachandran, Anna University, India (2018) [referee]
- PhD, Julien Troudet, University of Sorbonne, France (2017) [committee]
- PhD, Jana Ebersbach, Leipzig University, Germany (2017) [committee]
- Promotion to Senior Lecturer, Dr Kyle Dexter, The University of Edinburgh, UK (2017) [referee]

- PhD, Hugh Burley, University of New South Wales, Australia (2017) [committee]
- PhD, Fabian Roger, University of Gothenburg (2017) [committee]
- PhD, Brigitte Nyirambangutse, University of Gothenburg (Dec 2016) [committee]
- Promotion to Professor, Dr Arthur Bos, American University in Cairo (2016) [referee]
- PhD, Brigitte Nyirambangutse, University of Gothenburg (Dec 2016) [committee]
- Promotion to Professor (Habilitation), Dr Jerome Murienne, CNRS, France (Nov 2015) [referee]
- PhD, Gwendolyn Peyre. Barcelona University (May 2015) [opponent]
- PhD, Léa Bardon. University of Toulouse (May 2015) [opponent]
- PhD, Anna Runemark. University of Lund (May 2012) [committee]
- PhD, Wolf L. Eiserhardt. University of Aarhus (Sep 2011) [opponent]
- MSc, Mats Töpel. University of Gothenburg (2003) [opponent]

HOSTING OF GUEST RESEARCHERS AND STUDENTS (>1 month)

- Alexandre Salino, Universidade Federal de Minas Gerais, Brazil (Professor; Aug 2023-June 2024)
- Linde Wieringa, Ludwig Maximilian University of Munich (MEME student; May 2023)
- Joao de Deus Vidal Junior, Humbolt ICP Fellow, Universität Passau, Germany (Postdoc; Mar-Apr 2023)
- Shiran Gu, University of the Chinese Academy of Sciences (PhD student; Feb 2023-Feb 2024)
- Anna Victoria Maud, Universidade Federal do Paraná (PhD student; Sep 2022-Feb 2023)
- Marcelo Tejedor. Centro Nacional Patagonico, Argentina (Professor; Nov 2016 – Jul 2017)
- Renato de Mello-Silva. Universidade de São Paulo (Professor; Mar – Apr 2014)
- Léa Bardon. University of Toulouse (PhD student; Nov 2013 – Feb 2014)

EVENT ORGANISATION

- Co-organiser, symposium "Biodiversity in Sweden – today and tomorrow". Royal Swedish Academy of Sciences, Stockholm. (22 Mar, 2024).
- Host, conference "State of the World's Plants and Fungi", Royal Botanic Gardens, Kew (Hybrid event, October 2023)
- Co-organiser, workshop: Why biodiversity matters: Plants and Animals Across Natural Systems in Brazil. Harvard University (Virtual workshop; 29 October 2021).
- Host, conference "Reforestation for Biodiversity, Carbon Capture and Livelihoods", Royal Botanic Gardens, Kew (Virtual event, 4400 registered participants; February 2021; with Kate Hardwick, Paul Smith and others)
- Host, conference "State of the World's Plants and Fungi", Royal Botanic Gardens, Kew (Virtual event, 3300 registered participants; September 2020)
- Second main organiser, symposium "Frontiers in parametric biogeography", Evolution, Guarujá, Brazil (June 2015; with James Albert)
- Co-organiser, Swedish Systematics Meeting. Gothenburg (Nov 2014)
- Co-organiser, 15th Nordic Meeting on Tropical Botany, Copenhagen (13–15 Aug 2014; with Nina Rønsted, Mette Wenøe and others)
- Second main organiser, 2nd Meeting of the Network for Neotropical Biogeography, Miami (14 Jan 2013; with Christine Bacon)
- Session organiser, Neotropical Biogeography, International Biogeographic Society meeting, Florida (9–13 January 2013; with Catherine Graham, Daniel Gavin)
- Main organiser, 14th Nordic Meeting on Tropical Botany, Göteborg (6-8 Aug 2012; with Claes Persson, Roger Eriksson, Rosemeri Morokawa)
- Main organiser, symposium "Neotropical Plant Evolution: Assembling the Big Picture", 18th International Botanical Congress, Melbourne, Australia (23–30 Jul 2011; with Toby Pennington, Colin Hughes)
- Second main organiser, conference on Niche Evolution, University of Zurich (2–3 Jul 2009; with Peter Linder, Rafael Wüest)
- Co-organiser, Swedish Systematics Meeting. Gothenburg (Nov 2010)
- Co-organiser, Symposium "Cenozoic plants and biosphere surrounding them". International Palynological Conference, Tokyo, Japan (23–30 Aug 2012; with Carina Hoorn, Andre Pardo)
- Main organiser, exhibition 'Orchid Extravaganza', Gothenburg Botanical Garden (2011; 2012)
- Main organiser, exhibition 'Desert Life (Succulents and cacti), Gothenburg Botanical Garden (2012)
- Co-organiser, exhibition 'A fair and organic Christmas', Gothenburg Botanical Garden (2010) (with Mats Havström)

- Co-organiser, exhibition 'Threats to Amazonia", Gothenburg Botanical Garden (2011; with Friends of the Earth)
- Many workshops (including bi-annual lab meetings with c. 20 people each time) at the Department of Biological and Environmental Sciences, GU, together with students and post-docs
- Co-organiser in "Floristics competition", an annual outreach activity between GU and the Botanical garden for 5th-grade students (c. 11 years old) (2015– onwards)

INNOVATIONS AND ENTREPRENEURSHIP

- Founder, The Hidden Universe: Biodiversity (HUB) initiative (https://www.hu-b.org/)
- Founder, Atlantic Forest Research and Conservation Alliance (https://www.araca-project.org/)
- Founder and President, the Antonelli Foundations for Biodiversity Research and Conservation (https://www.antonelli-foundations.org/)
- Co-founder, CAPTAIN Technologies Ltd. (https://www.captain-project.net/) (2022 – current)
- Founder (2015) and Chairman (2015 – 2020), KnowMe.Earth Innovation company. Products: Knowme.earth – *A mobile platform for logging, identifying, and sharing information about all species on Earth;* Nyckelpigeförsöket – *A school app for integrating image recognition of ladybirds, using neural networks.*

MEDIA COVERAGE AND OUTREACH

Highlights

- Several hundred interviews for newspapers, magazines, radio, TV in many countries
- Hour-long documentary on National Swedish TV "The professor who's had enough" (2025)
- Participation in the documentary "Earth 2025" on National Swedish TV (2025)
- Radio documentary on Swedish Radio "He wants to restore Brazil's forgotten forest" (2025)
- Profiled on BBC's *The Life Scientific* (19 Sep 2023)
- First popular science book *The Hidden Universe: Adventures in Biodiversity* listed by *The Guardian* in COP15 essential reading: seven books that explain the biodiversity crisis (28 Nov 2022)
- *State of the Worlds Plants and Fungi* 2020, 2023 and 2026 - international coverage including many major media outlets (Sky News, BBC, Channel 5, ITV).
- Kew Science YouTube film on Atlantic Forest research: https://www.youtube.com/watch?v=ThAU8HFGeHc and interview in Panorama.
- Teaching tool on biodiversity and evolution developed for the Royal Academy of Sciences, Sweden: https://www.kva.se/.../05/VSOmBiologiskMangfald230522.pdf

- **TV and video interviews and lectures:** CNN Chile, Futuro 360: desafíos de los permisos ambientales (Jul 2026); Al Jazeera YouTube, AI reveals biodiversity crisis in UK: Kew Gardens' fungi unlock future cures (16 June 2026); We Don't Have Time live broadcast from COP30 in Belém, Brazil (14 Nov 2025); Globo, Good Morning Brazil (3 Nov 2025); TV Globo (9 October 2025); Public lecture as part of the International Botanical Congress, Madrid: State of the World's Plants and Fungi (July 2024); Trollhättans Stad, Föreläsning Alexandre Antonelli (6 Feb 2024); Dreams, Vision, Hope for the Future (March 2024); A World that Values Nature [Longer version here] (6 Dec 2023); Ahmad Tea Global tiktok video (7 July 2023); SVT Play (6 Nov 2022); Poddtoppen (Nov 2022); special guest on Swedish TV Go'Kväll (15 Sept 2022); Globo (9 Sept 2022); AI in the fight for biodiversity (June 2022); Living Nature 2021 – Flourishing Diversity (9 Nov 2021); Global News (3 Nov 2021); World War Zero (2 Nov 2021); BBC News 24/BBC Word TV (2 Nov 2021); SVT (2 Nov 2021); Globo (2 Nov 2021); urplay.se (Nov 2021); CGTN The Agenda (9 Oct 2021); Cosmic Shambles Network – Science Shambles (12 Sept 2021); BBC London (1 Sept 2021 – State of the World's Trees); Repórter Eco (20 Oct 2020); New Phytologist Foundation, Testing traditional plant knowledge using genomic tools (14 Oct 2019); My News (Brazil; 6 Oct 2019), BOTANISKA TRÄDGÅRDSPODDEN (26 Aug 2021); Sky News (24 Aug 2019); BBC World News (30 Aug 2019); Brazilian national TV O Globo (29 Jun 2019); TV Cultura (Feb 2019); Swedish TV SVT (19 Nov 2017); Swedish TV SVT 1 (31 May 2017; 10-min documentary), SVT 1 (8 Nov 2010), University of Gothenburg (2016), Wallenberg Foundation (2016); Evolution, Comparative biogeography: A framework for cross-taxonomic inference of bioregion evolution, range shifts and species diversification (30 June 2015).

- **Radio interviews and podcasts:** Bloomsbury Radio, Post-COP28 Business Show (12 Feb 2024); BBC Radio, The Life Scientific (19 Sep 2023); State of the World's Plants and Fungi 2023 (various); BBC Sounds, The

Documentary, 'Kew Gardens: Botany and the British Empire' (18 July 2023): *New Scientist* podcast #201 (22 June 2023); Stop Ecocide Canada podcast on COP15: One Earth, One Chance, Many Voices: The UN Convention on Biological Diversity (25 Jan 2023); The Guardian Science Weekly Podcast: 'The biggest meeting for humanity': Why Cop15 has to succeed (7 Dec 2022); Swedish Radio programmes: Trade in illegal Russian timber (12 March 2024); Vital plants lack protection - "can accidentally wipe out species" (1 Feb 2024); SPECIAL Barnen som försvann i Amazonas djungel (16 June 2023); 'Naturmorgon': 7 Jan 2023; 16 Jan 2021), Amazonas' collapse (13 April 2022), food biodiversity (6 Mar 2022), Humboldt (17 Feb 2022); Swedish National Radio P1 (16 June 2023; 4 Apr 2023; 19 Dec 2022; 2 Dec 2022; 2 Nov 2022; 14 Sept 2022 morning and lunchtime; 11 Aug 2021; 26 Jan 2021; (2 Jan 2020); 27 August 2019; 29 Jan 2019; 27 August 2019; 29 Jan 2019; 31 Oct 2018; 30 Mar 2017; 3 March 2017; 29 Dec 2016, 13 Aug 2015; 29 Dec 2016, 13 Aug 2015, 3 March 2017, 30 Mar 2017, 31 Oct 2018); BBC World Service (9 Apr 2022); Swedish Radio P4 (9 May 2023, 19 Dec 2022, 26 Jan 2021, 20 Nov 2017, 29 Dec 2016, 30 Sept 2016, 02 July 2010, 10 May 2011, 9 Jun 2011, 15 Feb 2012, 28 Apr 2012,; 26 Jun 2012); BBC Radio Scotland (2 Nov 2021); BBC Radio 6 Music (2 Nov 2021); Talk Radio (31 Oct 2021); Times Radio (31 Oct 2021); BBC Radio (26 June 2021); Times Radio (26 Jan 2021); LBC Radio (26 Jan 2021); Radio Canada (1 Nov 2020); BBC World News (12 Sept 2020); BBC Radio 4 (24 Apr 2020); BBC Radio 4, Today Programme (14 Oct 2019), BBC Radio Scotland, Good Morning Scotland (14 Oct 2019), BBC World Service Radio (23 Sep 2019), BBC London Radio (1 Sep 2019), BBC Radio Wales (25 Aug 2019; 27 Aug 2019), CBC Radio News, Canada (9 April 2017; 30 Aug 2019); Swedish Radio P1, Radio France Internationale (Nov 2018)

- **Interviews, expert commentary and features on research and profile in journals, newspapers, magazines and websites.** The National News, How AI is identifying millions of plant species in 'biodiversity revolution' to boost conservation (15 Jun 2026); Agência FAPESP, Brazil, The Brazilian scientists who led the digitization of 400 years of the planet's flora history (17 June 2026); Financial Times (15 Jun 2026), The Guardian, AI could help win 'race against extinction' of vital plants, say botanists (16 Jun 2026); BBC News Brasil, Novo fungo zumbi é descoberto na Mata Atlântica do Rio de Janeiro (2 Feb 2026); The Guardian, Botanists identify 33 global 'dark spots' with thousands of unknown plants (1 Oct 2024); *The Biologist* Vol 71(1), Don't forget the fungi (Mar 2024); Eureka Alert (19 Dec 2023); Mongabay (27 Dec 2023); The Guardian, Great unknowns: nine top scientists on the one mystery on Earth they'd like to solve (26 Dec 2023), also featured in Guardian articles on 29 Nov 2023, 27 Oct 2023, 5 Dec 2022, 28 Nov 2022, 31 Dec 2021, 8 Dec 2020, 31 Dec 2019); The Observer, Kew Gardens' Alexandre Antonelli: 'We may be losing species before we even notice them (7 Oct 2023); Panorama (14 July 2023); Miljo-utveckling (20 Jun 2023); Dagens Nyheter (29 Jan 2023; 10 Jun 2023; 05 Jan 2023; 14 Dec 2022; 20 Nov 2022; 16 Nov 2022; 27 May 2022, 29 May 2022); Glamurama (25 Dec 2022); Mail Online (22 Dec 2022); Reuters (22 Dec 2022); Lexology (20 Dec 2022); Revista Poder (20 Dec 2022); Goteborgs-Posten (19 Dec 2022); Science Media Centre (19 Dec 2022: UN Biodiversity Conference (COP 15) – What can we expect?); 20minutos (15 Dec 2022); havet.nu (12 Dec 2022); Forskning & Framsteg (9 Dec 2022); Correio Brasiliense (8 Dec 2022); ARCHIV (7 Dec 2022); Ege'de SonSoz (7 Dec 2022); Klimat (7 Dec 2022); newspenguin.com (7 Dec 2022); Truthout (7 Dec 2022); CommonDreams.org (6 Dec 2022); Interia Zielona (6 Dec 2022); Thred (6 Dec 2022); The Times (5 Dec 2022); eCycle.com (5 Dec 2022); El Espectador (5 Dec 2022); Extrakt (5 Dec 2022); The Panama News (5 Dec 2022); The New Statesman (5 Dec 2022); Um So Planeta (5 Dec 2022); Yesil Gazete (5 Dec 2022); Africa News (4 Dec 2022); Express (4 Dec 2022); Madagascar Sun (4 Dec 2022); The Washington Time (4 Dec 2022); Sky News (2 Dec 2022; 3 Dec 2022); Agencia FAPESP (2 Dec 2022); Correio Braziliense (2 Dec 2022); Diario de Pernambuco (2 Dec 2022); Forskning.se (2 Dec 2022); My Droll (2 Dec 2022); O Cubo (2 Dec 2022); Queen Mary University of London (2 Dec 2022); Science Media Centre (2 Dec 2022); Sky News (2 Dec 2022); Typos.com (2 Dec 2022); Eureka alert (1 Dec 2022); Jornal da UNICAMP (1 Dec 2022); phys.org (1 Dec 2022); Goteborgs-Posten (Dec 2022a; Dec 2022b); Sweden Posts English (Dec 2022); Wprost dom (5 Nov 2022); Natursidan.se (2 Nov 2022); Bokus (Nov 2022); UOL/ECOA (17 Sept 2022); Extrakt.se (15 Sept 2022); 5x15 (June 2022); Senckenberg Prize coverage (April/May 2022; sencekenberg.de: Alpha Galileo; Frankfurter Rundschau; nachrichten.idw-online.de; frankfurt-live.com; Frankfurter Neue Presse; Weinheimer Nachrichten; NTV Germany; 1&1 Internet AG; RTL News; t-online.de; Münchner Merkur; Gießener Allgemeine; Werra Rundschau; Waldeckische Landeszeitung; Hessische/Niedersächsische Allgemeine (HNA); Wetterauer Zeitung; Hanauer Anzeiger; Frankfurter Rundschau online; ZEIT online; DIE WELT; sueddeutsche.de; Oberhessische Presse; Rhein-Main-Zeitung – Faz; FAZ.net; Bild.de; Informations Dienst Wissenschaft +25 print articles); La Repubblica (19 April 2022); Corriere delle Alpi (19 April); La Tribuna di Treviso (19 April 2022); Il Mattino di Padova (19 April 2022); Piauí (Feb 2022); Forskning & Framsteg (14 Oct 2021); Transform magazine (Dec/Jan 21/22); Aftonbladet (25 Dec 2021);

Pesquisa FAPESP (2 Dec 2022; 3 Dec 2021); focali.se (22 Nov 2021); IEMA's World War Zero magazine (2 Nov 2021); Ouest France (2 Nov 2021); Delo (Slovenia) (2 Nov 2021);University of Gothenburg (28 Oct 2021); SciDev.net (21 Oct 2021); ALLT OM TRÄDGÅRD (Oct 2021); En Foque, ABC Spain (30 Aug 2021); ABC, Spain (27 Aug 2021); Pesquisa FAPESP (5 Sept 2021); Época Negócios (17 Feb 2021); El Tiempo (3 Nov 2020); Pesquisa FAPESP (15 Oct 2020); Smithsonian Magazine (9 Oct 2020); New York Times (8 Oct 2020); The Conversation (6 Oct 2020); Smithsonian website (6 Oct 2020); Courthouse News Service (5 Oct 2020); New Scientist (29 Sept 2020); Pesquisa FAPESP (23 Jul 2020); BBC News (27 June 2020); Pesquisa FAPESP (24 June 2020); Horticulture Week (24 June 2020); GQ, Brazil (22 Mar 2020); BBC News (20 Jan 2020); TAB, Brazil (21 Nov 2019); Kew Magazine (Autumn 2019, pp 50–51, "Man on a Mission"); Al Jazeera (24 Aug 2019); First Post (24 Aug 2019); The Straits Times (24 Aug 2019); CNBC (23 Aug 2019); Express (23 Aug 2019); London Economic (23 Aug 2019); Sky News (30 June 2019); O Globo (27 Jan 2019, 2 Aug 2019); Independent (6 May 2019); The Times (7 May 2019); The Ecologist (7 May 2019); AFP (7 May 2019); BBC (5 May 2019); Oeco (31 Mar 2019); Richmond & Twickenham Times (23 Mar 2019); BBC (22 Mar 2019); Canal Londres (Feb 2019); Valor Econômico (Feb 2019); France 24 (Feb 2019); Valor Econômico (11 Feb 2019 and 18 Feb 2019); Revista FAPESP (Jan 2019 in Portuguese and English); Svenska Dagbladet (29 Dec 2016; 16 Jul 2018); ETC (Jan 2019); Allers Trädgård (Jan 2019); O Globo Sociedade (27 Jan 2019); Terra da Gente (13 Dec 2018); Unicamp magazine (30 Nov 2018); Harvard Gazette (July 23 2018); Smithsonian Magazine (November 2018); WWF Eko 2 (2018); Biologen nr 4 (2018); Extrakt.se (12 Feb 2018), GU Magazine (Feb 2019; April 2016, Front page and 'monthly profile' interview; Dec 2016; Oct 2018, Back cover); GBIF Science Review 2016, Daily Mail, Science Daily, Times of India, IBC World News (Aug 2015); Scientific American (15 Jun 2012); Curie (April 2014); Bionews (19 Feb 2011); Naturvetenskapliga utbildningar 2014–2015 (Nov 2013); Fauna & Flora (Jan 2011); Naturvetaren (Dec 2010); Allt om Trädgård (Nov 2018, Oct 2015, Mar 2017); Hemträdgården (Aug 2010); Göteborgs Direkt (30 Dec 2016); Dagens Industri / Framtidens Forskning (29 Jun 2017); Göteborgs Posten (28 Nov 2022; 15 Nov 2018, Aug 2015, 09 Jun 2009, 02 Jul 2010, 10 May 2011, 5 Mar 2012, 2 Apr 2012, 25-26 Jun 2012, 25 August 2012, 15 Sep 2012, 28 Feb 2013, 14 May 2013, 30 Nov 2015, 8 Jan 2017); Wermlands-posten (28 Feb 2012); University of Gothenburg's journal GUspegel (nr 1, 2009); the Faculty of Science's magazine (nr 1, 2009; 2015; front page: http://sciencefacultymagazine.se/alla-nummer/); Metro (10 May 2011, 25 Apr 2012, Nov 2015); Biodiverse (Nov 2006); Kreativa Rum (May 2008); Aftonbladet (28 Apr 2012); Gullheden (Sep 2012); Wired.com [May 2016]).

- **Public panel debates:** The Youth Earth Talk, Senckenberg Society for Nature Research (29 Apr 2022); Living Nature: Art, Science and Indigenous Knowledge. British Library (28 Oct 2021); Film Festival, Gothenburg Science Festival (04 May 2022).

Further media highlights:

- Media coverage of new waterlily species *Victoria boliviana* had a reach of 161.7 million people.
- Study on useful plants featured on cover of *Science*: https://www.science.org/doi/10.1126/science.adg8028
- Sister reviews on Madagascar's biodiversity in *Science* widely reported in the media (e.g. Forskning & Framsteg; Madagascar Sun; Africa News; Phys.org; Swedish National Radio; Extrakt; O Cubo; iDiv; National Geographic)
- Extensive media engagement during COP30, COP26 and COP15, including multiple news and radio interviews (live interviews on BBC News 24, BBC World, Times Radio, BBC Radio SVT, Globo, Global News, BBC Radio Scotland & Ouest France), film on CBD Live; Defra video; briefing with the Science Media Centre, two SciDev debates: What developing countries need from COP26 and Climate finance 'critical for developing countries' at COP26; and many news items (e.g. Sky News, *The Times*, *The New Statesman*, *Dagens Nyheter*; Forskning & Framsteg), and podcasts (e.g. *The Guardian*).
- 'Ten golden rules for reforestation' paper (2021) generated 184 pieces of media coverage (including Sky News and BBC Radio, and 18 international media pieces) with a circulation of 115,600,000 'opportunities to see'. Articles included: BBC News online (26 Jan 2021); Sky News online (26 Jan 2021); The Times (26 Jan 2021); The Telegraph (26 Jan 2021); BBC Newsround (26 Jan 2021); Daily Mail (26 Jan 2021). Global Change Biology's most downloaded article of 2021.
- Media coverage of release of RBG Kew's Science Strategy 2021–2025: Edinburgh Evening News (29 Sept 2021); Business Green (28 Sept 2021); Edie (28 Sept 2021); Horticulture Week (28 Sept 2021); Research Professional News (28 Sept 2021); HortWeek.com (27 Sept 2021).
- *State of the Worlds Plants and Fungi 2020* generated 214 pieces of UK coverage reaching 349m people and over 90 pieces of international coverage. *State of the World's Plants and Fungi 2023* generated 695 pieces of

Uk coverage and over 1,000 pieces of international coverage, with 302 million impressions. *State of the World's Plants and Fungi 2026* generated over 400 media items with >7 billion potential interactions.

- Article in The Conversation: Director of Science at Kew: it's time to decolonise botanical collections (Jun 2020) had 48,442 readers worldwide and also received 929 reactions on Facebook (921 positive).
- Debate article in Aftonbladet (25 Dec 2021): Make large-scale damage to the environment criminal everywhere.
- Opinion article in The Guardian co-authored with Pella Thiel (23 June, 2021): Ecocide must be listed alongside genocide as an international crime
- Six interviews conducted as part of appearance at Hay Festival, Cartagena, Colombia, 2 February 2020: (Publisher Weekly/ Boston Globe; Hay Today TV; Canal Sur tv and online; Nexos, Mexico; El Tiempo daily newspaper)
- 21-minute documentary "Searching for Nature's Miraculous Medicines" shown on Swedish National Television SVT 2 (12, 14 and 16 Mar 2018).
- Featured seven times in Science magazine in the columns "Editor's Choice" (in text and images), in the Editorial: Science 324: 1366 (2009), Science 330: 153 (2010), Science 332: 15 (2011), Science (19 July 2013), Science 348: 6236 (2015), Science 350: 6260 (2015, plus a related Science podcast), and in "News" (7 May 2019; 20 Apr 2016). BBC podcast (BBC World Service, 23 Sep 2019) Climate Action: Should we plant more trees? Ritter et al. (2019) one of the top 100 downloaded ecology papers for Scientific Reports in 2019.
- 'Sommar i P1': 1.5h-long programme on Swedish National Radio on the topic of the great silent extinction of species and how we can save biodiversity (11 August 2021), reviewed and praised by several newspapers such as Dagens Nyheter and Svenska Dagbladet
- Hay Festival appearance to promote *The Hidden Universe: Adventures in Biodiversity*.
- 'The rise and fall of Neotropical diversity', in the Botanical Journal of the Linnean Society's high-impact research collection as the 'most discussed' paper of 2020 and 2021.
- Week-long program on orchids with Swedish Radio P4, 14–18 Mar 2011.
- Popular science presentation on the Open TV Channel
- Featured in popular science books Den Uppfinningsrika Planeten: biomimikry och naturens lösningar på vår tid (Fredrik Moberg, 2021); Forskardrömmar: Berättelser för nyfikna barn (Fri Tanke, 2021); Skogslandet–En granskning (Lisa Röstlund, 2022).
- Featured online several times by *Frontiers in Biogeography* (Vol. 1, Nr. 1, September 2009), Science Daily, Expertsvar, Scientific Blogging, Yuba Net, Allt om Vetenskap, Forskning.se, Sundweb, YouTube (via ScientificStation.com), Wissenschaft-online.de, GBIF Science Review (2016)
- *Science Advances* paper (2020) in the 99th percentile of High Attention Score compared to outputs of the same age
- *Ecology Letters* paper (2019) highlighted in *Nature Sustainability* (2); Aug 2019
- PNAS-paper (2015) featured in many newspapers and TV items around the world
- *Science* paper (2010) featured in over 65 newspapers worldwide, including personal interviews with several
- *PNAS* paper (2009) featured in over 30 newspapers in Latin America and Europe
- Cover images of journals: *Proceedings of the Royal Society Series B*, *Journal of Systematics and Evolution*, *Communicative & Integrative Biology*, *Systematic Biology*, among others.
- New Phytologist Trust You Tube Channel, Testing traditional plant knowledge using genomic tools (14 Oct 2019)
- HS Talks. Biomedical and Life Sciences Collection. Biogeography: Explaining the geographical distribution of organisms.
- Nobel talks: skype discussion with school children at the Nobel Museum in Stockholm about life as a researcher (24, 25 Jan 2019)
- Expedition Mundus: Game played with children from the 7-9 grades to understand and discuss the scientific process. Gothenburg Science Festival (9 & 16 May 2017; with the Young Academy of Sweden)
- Science Café: Can we trust research? with the Young Academy of Sweden & Kirsten Knudsen (12 May 2017)
- Science Café, Kew Science Festival (25–26 May 2019)

FILM PRODUCTION

- Farooq, H., **Antonelli, A.** (2018). Where does Neotropical biodiversity come from? 1-minute popular scientific summary of results from the Antonelli *et al.* 2018 study in PNAS.
- **Antonelli, A.** (2013). French Guiana – Snapshots from a biological expedition.

Field Code Changed

Field Code Changed

Field Code Changed

- **Antonelli, A.** (2012). Desert life – among cacti and succulents (in Swedish)
- New tools to understand and protect biodiversity. (5 min) Popular science presentation of a project funded by the Swedish Foundation for Strategic Research. Presented in English and Swedish. (Apr 2019)
- Searching for nature's miraculous medicines. 21-minute documentary shown on Swedish National Television SVT 2, on 12, 14 and 16 Mar 2018 (by AlphaFilm, with Nina Rønsted and others)
- **The Quest for Cinchona**: Short version (3 min) | Full version (24 min) (by AlphaFilm, with Nina Rønsted and others; Nov 2017)
- **The Rise and Fall of Species**. Swedish version | English version: (by Mediabruket; Apr 2016)
- Never stop asking - become a scientist! (by University of Gothenburg, Feb 2016; [in Swedish)
- The past, present and future of Neotropical biodiversity (by AlphaFilm, Oct 2014)

PUBLICATIONS

Bibliometric information: [Source: **Google Scholar**. For current citation statistics, please visit: rb.gy/n81fow)]

- Total number of peer-reviewed publications: 293
- Total number of citations: 36,967
- h-index: 90
- i10-index: 278

Ten selected research papers

1. Pironon, S., Ondo, I., Diazgranados, M., Allkin, R., Baquero, A.C., Cámara-Leret, R. … **Antonelli, A.***, Willis, K. J.* (2024). The global distribution of plants used by humans. *Science* 383 (6680): 293-297. DOI: https://www.science.org/doi/abs/10.1126/science.adg8028 *Joint senior authors
2. **Antonelli, A.**, et al. (2022). Madagascar's extraordinary biodiversity: Evolution, distribution, and use. *Science* 378: eabf8069. DOI: https://doi.org/10.1126/science.abf0869
3. Ralimanana, H., … **Antonelli, A.** (2022). Madagascar's extraordinary biodiversity: Threats and opportunities. *Science* 378: eadf1466. DOI: https://doi.org/10.1126/science.adf1466
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Field Code Changed

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PERSONAL DETAILS

- Born in Campinas, Brazil, August 15, 1978
- Brazilian, Swedish and Italian citizenships
- Married, three children (Parental leave: c. 9 months, 2004 – 2012)
- Languages spoken: Portuguese (mother tongue); Swedish, English, Spanish, French (fluent); German, Italian, Botanical Latin (basic)

PERSONAL INTERESTS

Trail running and orienteering; reading popular science books; gardening and carpentering; collecting, mounting and identifying insects; photographing and filming; listening to good music, cooking and baking; spending time with friends; and tree-hugging when no one is watching.

CONTACT DETAILS

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