

Instituto de Pesquisas Ecológicas
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Clinton N. Jenkins

November 2014

EDUCATION

Ph.D. Ecology & Evolutionary Biology. 2002. University of Tennessee, Knoxville, TN
Dissertation: *Using remote sensing and geographic information systems to define conservation priorities.* Advisor: Stuart L. Pimm

B.S. Biology. 1997. East Tennessee State University, Johnson City, TN
Graduated summa cum laude

EMPLOYMENT HISTORY (since 2005)

2013 - Current	Professor Visitante, Instituto de Pesquisas Ecológicas
2011 - Current	Visiting Scientist & Instructor, Duke University
2011 - 2013	Principal Research Scholar, North Carolina State University
2009 - 2011	Assistant Research Scientist, University of Maryland
2010 - 2011	Adjunct Research Associate, Duke University
2005 - 2010	Research Associate, Duke University

PEER REVIEWED PUBLICATIONS

(Book) Anthony Anderson & **Clinton N. Jenkins.** 2006. *Applying Nature's Design: Corridors as a Strategy for Biodiversity Conservation.* New York: Columbia University Press.

1. Pimm, SL, **CN Jenkins**, R Abell, TM Brooks, JL Gittleman, L Joppa, PH Raven, CM Roberts, JO Sexton (2014) The biodiversity of species and their rates of extinction, distribution, and protection. *Science* 344:6187 [doi/10.1126/science.1246752](https://doi.org/10.1126/science.1246752)
2. Sloan, S, **CN Jenkins**, LN Joppa, DLA Gaveau, WF Laurance (2104) Natural Vegetation in the Global Biodiversity Hotspots. *Biological Conservation* 177:12-24. [doi: 10.1016/j.biocon.2014.05.027](https://doi.org/10.1016/j.biocon.2014.05.027)
3. Finer, M, **CN Jenkins**, MAB Sky, J Pine (2014) Logging Concessions Enable Illegal Logging Crisis in the Peruvian Amazon. *Scientific Reports* 4:4719. [doi:10.1038/srep04719](https://doi.org/10.1038/srep04719)
4. Diamond, SE, H Cayton, T Wepprich, **CN Jenkins**, RR Dunn, NM Haddad, & L Ries (2014) Unexpected phenological responses of butterflies to the interaction of urbanization and geographic temperature. *Ecology* 95(9):2613-2621. [doi:10.1890/13-1848.1](https://doi.org/10.1890/13-1848.1)
5. Joppa, L, P Visconti, **CN Jenkins**, SL Pimm (2013) Achieving the Convention on Biological Diversity's Goals for Plant Conservation. *Science* 341(6150): 1100-1103. [doi:10.1126/science.1241706](https://doi.org/10.1126/science.1241706)

6. **Jenkins, CN**, SL Pimm, LN Joppa (2013) Global Patterns of Terrestrial Vertebrate Diversity and Conservation. *PNAS* 110(28): E2602-E2610. [doi:10.1073/pnas.1302251110](https://doi.org/10.1073/pnas.1302251110)
7. **Jenkins, CN**, B Guénard, SE Diamond, MD Weiser, RR Dunn (2013) Conservation implications of divergent global patterns of ant and vertebrate diversity. *Diversity and Distributions* 19(8): 1084-1092 [doi:10.1111/ddi.12090](https://doi.org/10.1111/ddi.12090)
8. Finer, M, **CN Jenkins**, B Powers (2013) Potential of Best Practice to Reduce Impacts from Oil and Gas Projects in the Amazon. *PLoS ONE* 8(5): e63022. [doi:10.1371/journal.pone.0063022](https://doi.org/10.1371/journal.pone.0063022)
9. Finer, M, MB Sky, **C Jenkins** (2012) Sector Forestal en Loreto, Perú: Estado Actual e Implicancias Ecológicas y Sociales. Chapter in *Revista Latinoamericana de Derecho y Políticas Ambientales 2*. Edited by J.F.R. Cabrera, S.A. Bustamante, E.G. Cerrón.
10. Finer M & **CN Jenkins** (2012) Proliferation of Hydroelectric Dams in the Andean Amazon and Implications for Andes-Amazon Connectivity. *PLoS ONE* 7(4): e35126. [doi:10.1371/journal.pone.0035126](https://doi.org/10.1371/journal.pone.0035126)
11. Vale, MM & **CN Jenkins** (2012) Across-taxa incongruence in patterns of collecting bias. *Journal of Biogeography* 39: 1744-1748. [doi:10.1111/j.1365-2699.2012.02750.x](https://doi.org/10.1111/j.1365-2699.2012.02750.x)
12. Ogrzewalska, M, A Uezu, **CN Jenkins**, MB Labruna (2012) Effect of Forest Fragmentation on Tick Infestations of Birds and Tick Infection Rates by *Rickettsia* in the Atlantic Forest of Brazil. *EcoHealth* 8: 320-331. [doi:10.1007/s10393-011-0726-6](https://doi.org/10.1007/s10393-011-0726-6)
13. **Jenkins, CN**, SL Pimm, MAS. Alves (2011) How Conservation GIS Leads to Rio de Janeiro, Brazil. *Natureza & Conservação* 9: 152-159. [doi:10.4322/natcon.2011.021](https://doi.org/10.4322/natcon.2011.021)
14. **Jenkins, CN**, et al. (20 authors) (2011) Global diversity in light of climate change: the case of ants. *Diversity and Distributions* 17: 652-662. [doi:10.1111/j.1472-4642.2011.00770.x](https://doi.org/10.1111/j.1472-4642.2011.00770.x)
15. Pitman, NCA, J Widmer, **CN Jenkins**, G Stocks, L Seales, F Paniagua, EM Bruna (2011) Volume and Geographical Distribution of Ecological Research in the Andes and the Amazon, 1995-2008. *Tropical Conservation Science* 4: 64-81.
16. Pitman, N, M Finer, **C Jenkins** & C Vriesendorp (2011) ¿Por qué una nueva área protegida en la Amazonía peruana? / Why a new protected area in Amazonian Peru? Pages 48-50, 176-177 in Pitman, N, C Vriesendorp, DK Moskovits, R von May, D Alvira, T Wachter, DF Stotz & A del Campo (eds.), Perú: Yaguas-Cotuhé. Rapid Biological and Social Inventories Report 23. The Field Museum, Chicago.
17. **Jenkins, CN**, MAS Alves, SL Pimm (2010) Avian conservation priorities in a top-ranked biodiversity hotspot. *Biological Conservation* 143: 992-998. [doi:10.1016/j.biocon.2010.01.014](https://doi.org/10.1016/j.biocon.2010.01.014)
18. **Jenkins, CN** & L Joppa (2010) Considering protected area category in conservation analyses. *Biological Conservation* 143:7-8. [doi:10.1016/j.biocon.2009.09.019](https://doi.org/10.1016/j.biocon.2009.09.019)
19. Pimm, SL, **CN Jenkins**, LN Joppa, DL Roberts, GJ Russell (2010) How many endangered species remain to be discovered in Brazil? *Natureza & Conservação* 8: 71-77. [doi:10.4322/natcon.00801011](https://doi.org/10.4322/natcon.00801011)

20. Pimm, SL & **CN Jenkins** (2010) Extinctions and the practice of preventing them. Chapter in *Conservation Biology for All*. Edited by N.S. Sodhi and P.R. Ehrlich, Oxford University Press. Free PDF: <http://s3.amazonaws.com/mongabay/conservation-biology-for-all/Conservation-Biology-for-All.pdf>
21. Bass, M, M Finer, **CN Jenkins**, H Kreft, DF Cisneros-Heredia, SF McCracken, NCA Pitman, PH English, K Swing, G Villa (2010) Global Conservation Significance of Ecuador's Yasuní National Park. *PLoS ONE* 5(1): e8767. [doi:10.1371/journal.pone.0008767](https://doi.org/10.1371/journal.pone.0008767)
22. Finer, M, R Moncel, **CN Jenkins** (2010) Leaving the Oil Under the Amazon: Ecuador's Yasuní-ITT Initiative. *Biotropica* 42:63-66. [doi: 10.1111/j.1744-7429.2009.00587.x](https://doi.org/10.1111/j.1744-7429.2009.00587.x)
23. Finer, M, V Vijay, F Ponce, **CN Jenkins**, TR Kahn (2010) La Reserva de la Biósfera Yasuní de Ecuador: una breve historia moderna y los retos de la conservación. Chapter in *ITT-Yasuní: Entre el petróleo y la vida*. Edited by E. Martínez and A. Acosta, Quito, Ediciones Abya-Yala.
24. **Jenkins, CN** & L Joppa (2009) Expansion of the global terrestrial protected area system. *Biological Conservation* 142:2166-2174. [doi:10.1016/j.biocon.2009.04.016](https://doi.org/10.1016/j.biocon.2009.04.016)
25. Finer, M, V Vijay, F Ponce, **CN Jenkins**, TR Kahn (2009) Ecuador's Yasuní Biosphere Reserve: a brief modern history and conservation challenges. *Environmental Research Letters* 4: 034005. [doi: 10.1088/1748-9326/4/3/034005](https://doi.org/10.1088/1748-9326/4/3/034005)
26. Alves, MAS, **CN Jenkins**, SL Pimm, A Storni, MA Raposo, MdeL Brooke, G Harris, A Foster (2009) Birds, Montane forest, State of Rio de Janeiro, Southeastern Brazil. [Check List](https://doi.org/10.1016/j.checklist.2009.04.016) 5(2):289-299.
27. Alves, MAS, **CN Jenkins**, EP Caramaschi, FR Scarano, FJG de Oliveira, IR Zalmon, RF Monteiro, AF Camargo, SL Pimm (2009) Região de Petróleo e Gás Natural. Chapter in *Estratégias e ações para a conservação da biodiversidade no Estado do Rio de Janeiro*, Instituto Biomas, Rio de Janeiro.
28. Alves, MAS, MB Vecchi, P Cordeiro, **CN Jenkins**, MA Raposo, FG Chaves, PA Santos (2009) Aves nos remanescentes florestais de Mata Atlântica e ecossistemas associados no Estado do Rio de Janeiro. Chapter in *Estratégias e ações para a conservação da biodiversidade no Estado do Rio de Janeiro*, Instituto Biomas, Rio de Janeiro.
29. **Jenkins, CN** & C Giri (2008) Protection of Mammal Diversity in Central America. *Conservation Biology* 22(4):1037-1044.
30. Finer, M, **CN Jenkins**, SL Pimm, B Keane, C Ross (2008) Oil and Gas Projects in the Western Amazon: Threats to Wilderness, Biodiversity, and Indigenous Peoples. *PLoS ONE* 3(8): e2932 [doi:10.1371/journal.pone.0002932](https://doi.org/10.1371/journal.pone.0002932)
31. Alves, MAS, SL Pimm, A Storni, M Raposo, MdeL Brooke, G Harris, A Foster, **CN Jenkins** (2008) Mapping and exploring the distribution of the Vulnerable grey-winged cotinga *Tijuca condita*. *Oryx* 42(4):562-566.
32. **Jenkins, CN** & SL Pimm (2006) Definindo Prioridades de Conservação em um Hotspot de Biodiversidade Global (Defining conservation priorities in a global biodiversity

- hotspot). Chapter in *Biologia da Conservação: Essências*. RiMa Editora, São Carlos, SP. Rocha, CFD, HG Bergallo, M Van Sluys & MAS Alves (Orgs.).
33. Rocha, CFD, HG Bergallo, MAS Alves, M Van Sluys, **C Jenkins** (2006) Corredores Ecológicas e Conservação da Biodiversidade: Um Estudo de Caso na Mata Atlântica (Ecological corridors and conservation of biodiversity: A case study in the Atlantic Forest). Chapter in *Biologia da Conservação: Essências*. RiMa Editora, São Carlos, SP. Rocha, CFD, HG Bergallo, M Van Sluys & MAS Alves (Orgs.).
 34. Harris, GM, **CN Jenkins**, SL Pimm (2005) Refining biodiversity conservation priorities. *Conservation Biology* 19:1957-1968.
 35. Pimm, SL & **CN Jenkins** (2005) Sustaining the Variety of Life. *Scientific American* 293 (3): 66-73. (translated into 5 languages)
 36. Giri, C & **C Jenkins** (2005) Land cover mapping of Greater Mesoamerica using MODIS data. *Canadian Journal of Remote Sensing* 31:274-282.
 37. **Jenkins, CN** & SL Pimm (2003) How big is the global weed patch? *Annals of the Missouri Botanical Garden* 90: 172-178.
 38. **Jenkins, CN**, RD Powell, OL Bass Jr., SL Pimm (2003) Demonstrating the destruction of the habitat of the Cape Sable Seaside Sparrow. *Animal Conservation* 6:29-38.
 39. **Jenkins, CN**, RD Powell, OL Bass Jr., SL Pimm (2003) Why sparrow distributions do not match model predictions. *Animal Conservation* 6:39-46.
 40. **Jenkins, CN** (2003) Importância dos remanescentes de Mata Atlântica e dos corredores ecológicos para a preservação e recuperação da avifauna do estado do Rio de Janeiro. Chapter in *Índice de Qualidade dos Municípios – Verde II*. Fundação CIDE, 2003, Rio de Janeiro, Brazil.
 41. Anderson, AB, PH May, **CN Jenkins** (2003) Cordão de Mata: Planejamento e implantação de um corredor biológico na Mata Atlântica do Rio de Janeiro. Chapter in *Índice de Qualidade dos Municípios – Verde II*. Fundação CIDE, 2003, Rio de Janeiro, Brazil.

TEACHING (recent)

- 2013** Workshop: Application of GIS to Develop Scenarios for Strategic Environmental Assessment – Peruvian Amazon Research Institute (IIAP)
- fall 2012** Conservation Biology: Theory & Practice – Duke University (graduate level)
- 2001 – 13** Remote Sensing & GIS for Conservation Biology Professionals:
Instituto de Pesquisas Ecológicas, São Paulo, Brazil (12 courses, 200+ students)
- 2010 – 13** Spatial Analysis for the Resolution of Priority Conservation Questions:
Instituto de Pesquisas Ecológicas, São Paulo, Brazil (4 courses, 80 students)
- 2008, 2011** Systematic Conservation Planning (*taught in Portuguese*):
Escola Superior de Conservação Ambiental e Sustentabilidade, São Paulo, Brazil

GRANTS & FELLOWSHIPS (since 2009)

- 2013** Ciência Sem Fronteiras / CAPES, *Ecosystem Service Production and Priorities for Restoration in the Cantareira System* (3-year fellowship) – \$100,000 (200,000 reais)
- 2013** Biofílica / Instituto de Pesquisas Ecológicas, *Estudo para a determinação da linha de base e dinâmica de desmatamento do projeto REDD+ RESEX Rio Preto-Jacundá* – \$17,250 (33,800 reais)
- 2012** Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), *Rede BioM.A.: Uma rede integrada de pesquisa sobre biodiversidade, uso do solo e mudanças climáticas na Mata Atlântica* – ~\$1 million (1.8 million reais, collaborator)
- 2011** Blue Moon Fund, *Western Amazon Threat Assessment and Modeling Pilot* – \$40,000 (Co-I)
- 2011** Gordon and Betty Moore Foundation, *Building a strategic impact assessment information baseline and policy framework for Loreto, Peru* – \$1.5 million (Co-I)
- 2009** National Aeronautics & Space Administration, *Predicting Global Patterns of Ant Diversity and Endemism Using Fine-Grained Remote Sensing Data* – \$544,000 (Co-I)

HONORS & AWARDS

- 1999** NSF Graduate Research Fellowship (supported Ph.D. for 3 years)
- 1997** Outstanding Senior Award, Biological Sciences Department, ETSU
- 1995-1996** Roesel Scholarship, highest GPA in math and sciences, ETSU
- 1993-1997** Academic Performance Scholarship, ETSU

ADVISING

- Ranaivo Rasolofoson – PhD committee, University of Copenhagen, Forest and Landscape
- Sidnei Sampaio – Master’s committee, Escola Superior de Conservação Ambiental e Sustentabilidade, Instituto de Pesquisas Ecológicas, Brazil
- Guilherme Fernandes – Master’s committee, Escola Superior de Conservação Ambiental e Sustentabilidade, Instituto de Pesquisas Ecológicas, Brazil
- Maria Fernanda Prado – Master’s committee, Escola Superior de Conservação Ambiental e Sustentabilidade, Instituto de Pesquisas Ecológicas, Brazil
- Bruno Matta – Master’s committee, Escola Superior de Conservação Ambiental e Sustentabilidade, Instituto de Pesquisas Ecológicas, Brazil
- Robert Fox (2012) – Master’s committee, University of Maryland, program in Sustainable Development and Conservation Biology
- Ranaivo Rasolofoson (2011) – Master’s, University of Maryland, program in Sustainable Development and Conservation Biology
- Aisha Mumtaz (2010) – Undergraduate research, University of Maryland

- Andrew Tse (2010) – Intern, Poolesville High School, Maryland
- Antalia González (2003-5) – Master’s committee, El Colegio de la Frontera Sur, Chetumal, Quintana Roo, Mexico

SERVICE

- Vice President of SavingSpecies.org
- Editor for *PLoS ONE*, *Biodiversity and Conservation*, and *Oecologia Australis* (formerly *Oecologia Brasiliensis*)
- Director of Nominations, Society for Conservation Biology, Latin American & Caribbean Section (2014-current)
- Director of Membership and Programs, Society for Conservation Biology, Austral & Neotropical American Section (2009-2011)
- Manuscript reviewer for *Biodiversity & Conservation*, *Biological Conservation*, *BMC Ecology*, *Conservation Biology*, *Conservation Letters*, *Diversity & Distributions*, *Environmental Management*, *Journal of Biogeography*, *Oryx*, *Natureza & Conservação*
- NSF grant review panels, Carbon Cycle & Ecosystems program (2009, 2011)
- NASA grant review panels (2004, 2011)
- External grant reviewer for NSF, NASA, National Geographic, Sigma Xi