

CURRICULUM VITAE

Christopher John Raxworthy

Personal Information

Place of birth: St. Albans, Hertfordshire, England.

Institution address: Herpetology Department, American Museum of Natural History,
Central Park West at 79th Street, New York, NY 10024-5192, USA.

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Department telephone: 212 769 5850

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Present Appointment

Current title: Curator-in-Charge, Herpetology Department, 2015-present

Associate Curator, Division of Vertebrate Zoology, 2000-present

Prior title: Associate Dean of Science for Education and Exhibition, 2005-15

Employer: American Museum of Natural History

Date of Appointment: July 7, 2000

Graduate Education

1985-89 Ph.D. Biology, The Open University, Milton Keynes, England.

Supervisor: Dr. T.R. Halliday, Reader in Biology, Head of Department, Biology.

Thesis: Evolution of courtship behavior and sexual dimorphism in salamandrids.

Undergraduate Education

1982-85 B.Sc. Honors. Zoology, Royal Holloway and Bedford New College,
University of London, Egham, England.

Postdoctoral Appointments

1994-96 Research Fellow, Museum of Zoology, University of Michigan.

1991-94 Adjunct Research Investigator, Museum of Zoology, University of Michigan.

1989-90 Research Fellow, Institute for Conservation and Ecology, University of
Kent, Canterbury, England.

Prior Faculty Appointments

Employer: University of Kansas

Dates of Appointment: August 15 1998 to May 15 2000

Title: Curator, Division of Herpetology, Natural History Museum

Assistant Professor, Department of Ecology and Evolutionary Biology

Employer: Columbia University

Dates of Appointment: July 1 1996 to July 1 1998

Title: Assistant Professor, Center for Environmental Research and Conservation

Professional Affiliations

- Professor, Richard Gilder Graduate School, AMNH
- Adjunct Research Scientist, Department of Ecology, Evolution and Environmental Biology, Columbia University.
- Adjunct Research Scientist, Museum of Zoology, University of Michigan.
- External Lecturer, Department of Animal Biology, University of Antananarivo, Madagascar.
- External Examiner, Department of Zoology, University of Ghana.

Editorial and Scientific Review Duties

- Associate Editor *Herpetologica* 2007-present
- Associate Editor: *Animal Conservation*. 2008-2013
- Editorial Board: *Animal Conservation*. 2005-07
- Editorial Board: *Copeia*. 2003-04
- Editorial Review Board: *Amphibian and Reptile Conservation*. 1998-present.
- Reviewer to *Nature*, *Journal of Zoology*, *Ecology*, *Evolution*, *Cladistics*, *Molecular Phylogenetics and Evolution*, *PloS ONE*, *BMC Evolutionary Biology*, *Herpetological Journal*, *Herpetologica*, *Copeia*, *Journal of Herpetology*, *African Journal of Herpetology*, *Herpetological Review*, *Oryx*, *Tropical Zoology*, *Biological Journal of the Linnean Society*, *Zoological Journal of the Linnean Society*, *Biology Letters*, *Proceedings B of the Royal Society*, *Biological Conservation*, *Animal Conservation*, *Global Change Biology*, *Biodiversity and Conservation*, *Alytes*, *Salamandra*, *American Naturalist*, *Natural History Magazine*, *ZooKeys*.
- Panel Review member for the National Science Foundation (Systematic Biology, Biotic Surveys and Inventories).
- Grant proposal reviewer to the National Science Foundation, NASA, National Geographic Society, MacArthur Foundation, BP Conservation Program Awards, Wildlife Conservation Society, American Zoological Society, Earthwatch.

Other Professional Duties

- Member of the Global Mountain Biodiversity Assessment network (2018-)
- Member of the CITES Madagascar Scientific Authority (2013-).
- Advisor to CITES and USFW on species CITES propositions (2005-).
- Advisor to the IUCN on species Red List assessments of extinction (2001-).
- Member of the IUCN/SSC Amphibian Specialist Group (Madagascar Region) (2006-).
- Member of the IUCN/SSC Madagascar and Mascarene Reptiles and Amphibians Specialist Group (1997-).
- Director of Graduate Studies (Biological Sciences), CERC, Columbia University (1996-98).
- Co-Chair, University Seminar Series on Population Biology, Columbia University (1997-98).
- Member of the IUCN/SSC Specialist Group on Sustainable Use of Wild Species (1991-95).
- Member of the British Herpetological Society Conservation Committee

(1984-89).

Consultant Experience

- 1998 World Bank/Ghana Wildlife Service Consultant, Coastal wetlands faunal survey, Ghana.
- 1998 Golder Consultant for the Environmental Impact Statement, Ambatovy, Madagascar.
- 1995 Consultant, ANGAP Survey of Isalo National Park.
- 1993-96 Research participant in the WWF (Madagascar) Biodiversity Inventory Program, (reserves of Andohahela, Anjanaharibe-Sud, Zombitsy, Andringitra, Marojejy).
- 1994 Consultant for Conservation International (Madagascar) Biodiversity Surveys of Zahamena Reserve.
- 1993 Consultant for CARE (Madagascar), Management Plan for the Masoala National Park.
- 1989-91 Consultant for the QIT World Bank Environmental Impact Statement, Tolagnaro.

Field Research Experience (outside USA)

- 1985-present Madagascar
- 1990-present Seychelles, La Réunion, Mauritius, Rodrigues
- 2014 Papua New Guinea
- 2009-15 Cuba
- 2009 Ecuador
- 2001 Mali
- 1999 Senegal
- 1998 Ghana
- 1997 Vietnam
- 1983-84 Morocco
- 1982-89 Europe (Croatia, France, Greece, Italy, Spain, Turkey, UK)

Research Interests

- Systematics
- Biogeography
- Ecological Niche Modeling
- Conservation Biology
- Climate change impacts on biodiversity
- Ethology

Teaching Experience

Graduate Lecturer

- Speciation, Richard Gilder Graduate School (RGGS 673), AMNH, 2017.
- Biotic Surveys and Inventories (4790), Columbia University, 2002.
- Principles of Biogeography (782), University of Kansas, 1999.
- Topics in Reptile Research (701), University of Kansas, 1999.

- Biogeography (4789), Columbia University, 1997-98.
- Evolution Core Courses I and II (6110, 6111), Columbia University, 1996-97 (team taught).
- Ecology Core Courses I and II (6112, 6113), Columbia University, 1996 (team taught).
- Biogeography Seminar, University of Antananarivo, 1997.

Undergraduate Lecturer

- Introduction to Systematics (550), University of Kansas, 2000.
- Evolutionary Ecology (3142), Columbia University, 1997.

Tutorial Assistant

- Animal Behavior, The Open University, 1987.
- Experimental Design, The Open University, 1987.

Graduate Research Students

American Museum of Natural History, Richard Gilder Graduate School

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|---|--------------|-------------------|-----------------------|
| • | 2017-present | Alejandro Arteaga | Ph.D Sponsor |
| • | 2014-present | Rachel Welt | Ph.D Sponsor |
| • | 2013-2014 | Jennifer Tinsman | Ph.D Committee Member |
| • | 2012-2016 | Lauren Oliver | Ph.D Sponsor |
| • | 2010-2013 | Edward Stanley | Ph.D Committee Member |
| • | 2008-2013 | Antonia Florio | Ph.D Sponsor |
| • | 2009-2013 | Bryan Falk | Ph.D Committee Member |

CUNY

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|---|--------------|-----------------|------------------------|
| • | 2016-present | Arianna Kuhn | Ph.D. Committee Member |
| • | 2013-present | Alex McKelvey | Ph.D. Committee Member |
| • | 2014-17 | Ivan Prates | Ph.D. Committee Member |
| • | 2013-16 | Ed Myers | Ph.D. Committee Member |
| • | 2010-15 | Xenia Freilich | Ph.D. Committee Member |
| • | 2011-14 | Xin Chen | Ph.D. Committee Member |
| • | 2010-14 | Mariano Soley | Ph.D. Committee Member |
| • | 2009-12 | Sara Ruane | Ph.D. Committee Member |
| • | 2008-11 | Tim Guiher | Ph.D. Committee Member |
| • | 2008-09 | R. Alex Pyron | Ph.D. Committee Member |
| • | 2002-07 | Adrian Tejedor | Ph.D. Committee Member |
| • | 2002-08 | Valeria Tavares | Ph.D. Committee Member |
| • | 2000-08 | Mike Friedman | Ph.D. Committee Member |

Hofstra University

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| • | 2009-14 | Neil Duncan | Masters Committee Member |
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Columbia University

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| • | 2018-present | Ivan Monagan | Ph.D Sponsor |
| • | 2016-17 | Neha Savant | Masters Committee Member |

- 2003-06 Ryan P. Kelly Ph.D Committee Member
- 2001-06 Minh Le Ph.D Sponsor (joint with E. Sterling)
- 2000-05 Julian Faivovich Ph.D Committee Member
- 2000-05 Taran Grant Ph.D Committee Member
- 2001-04 Sushma Reddy Ph.D Committee Member
- 2002-04 Liliana Dávalos Ph.D Committee Member
- 2000-03 Evon Hekkala Ph.D Committee Member
- 2002-03 Valerie Clark Masters Sponsor
- 2000-01 Minh Le Masters Sponsor
- 1996-98 Eugenia F.S. Naro Ph.D Sponsor
- 1996-98 Andrea Peffley Ph.D Sponsor
- 1996-98 Ana Luz Porzeczanski Ph.D Sponsor
- 1996-98 Peter Makovicky Masters Committee Member

Oklahoma State University

- 2000-2008 Kris Karsten Ph.D. External Sponsor

University of Kansas

- 1998-00 Anna Clark Ph.D Sponsor
- 1999-00 Jenny Pramuk Ph.D Sponsor (joint with L. Trueb)
- 1999-00 Eli Greenbaum Ph.D Sponsor
- 1999-00 Jennifer Garrison Ph.D Sponsor

University of Antananarivo

- 2016-present S. Mampionona Masters External Sponsor
- 2009-2011 J. Randrianirina Masters External Sponsor
- 2009-2012 S. Mahaviasy Ph.D External Sponsor
- 2008-2012 A. Rakotondrazafy Ph.D External Sponsor
- 2004-09 M. Randriambahiniarime Masters External Sponsor
- 2006-08 P. Razafimahatratra Masters External Sponsor
- 2001-08 N. Rabibisoa Ph.D External Sponsor
- 2004-07 A. (Tsoa) Ranjanahaisoa Masters External Sponsor
- 2001-06 A. Rakotondrazafy Masters External Sponsor
- 2000-04 S. Mahaviasy Masters External Sponsor
- 2000-04 C. Maminirina Masters External Sponsor
- 2000-01 N. Harilanto Masters External Sponsor
- 2001-02 R. Razafindrasoa Masters External Sponsor
- 1994-00 A. Raselimanana Ph.D External Sponsor
- 1996-98 F. Rabemananjara Masters External Sponsor
- 1996-98 A. Ravoninjatovo Masters External Sponsor
- 1991-93 J-B. Ramanamanjato Masters External Sponsor
- 1991-93 A. Raselimanana Masters External Sponsor

University of Mahajanga

- 20015-present B. Ramdriamahatamtsoa Ph.D External Sponsor
- 20014-2015 B. Ramdriamahatamtsoa Masters External Sponsor

University of Ghana

- 2014 Hamdia Mahama Masters External Sponsor
- 2013 Millicent Afi Amekugbe Masters External Sponsor
- 2012 Daniel Bakari Masters External Sponsor
- 2010 Musah Yahaya Masters External Sponsor
- 2010 Japheth S.T. Roberts Masters External Sponsor

University College London

- 2015 Simon Maddock Ph.D Committee Member

University of Saskatchewan

- 2016 Andres Posso-Terranova Ph.D Committee Member

Postdoctoral Mentor

- 2018-present Marion Segall
- 2016-present Ed Myers
- 2015-present Brendan Reid
- 2013-15 Sara Ruane
- 2011-13 Tim Guiher
- 2005-10 Richard Pearson

Invited International Symposium Presentations and Workshops

- 2011 Global Reptile Assessment, IUCN Red Lists. Madagascar Review Workshop, Antananarivo, Madagascar (Jan 24-28).
- 2010 World Wide Fund for Nature: Species and Climate Change Workshop. Antananarivo, Madagascar (Oct 4-8).
- 2008 Workshop: Assessing Climate Change Impacts to Madagascar's Biodiversity & Recommendations for Adaptation. Antananarivo (Jan 28-31)
- 2006 Society of Systematic Biologists Symposium on Species Delimitation. Stony Brook, New York (June 23- 27).
- 2006 A Conservation Strategy for the Amphibians of Madagascar Workshop. Antananarivo, Madagascar (17-23 September).
- 2006 National Evolutionary Synthesis Center Catalysis Group Meeting "Patterns of Biodiversity in Madagascar". Durham, NC (June 13-17).
- 2003 Global Amphibian Assessment, IUCN Red Lists. Madagascar Review Workshop, Gland, Switzerland.
- 2001 Conservation International Future Protected Areas meeting. Antananarivo Madagascar.
- 2001 Madagascar CBSG Conservation Action Management Plan meeting, Mantsoa, Madagascar.
- 2001 Conservation of aquatic and riparian vertebrates of the Niger River Basin, NSF Africa Program. Bamako, Mali.
- 1997 The Environmental Leaders Forum, Columbia University, New York.
- 1997 USAID Corridor Workshop, Madagascar. Washington D.C.

- 1995. Madagascar GEF Conservation Priority Setting workshop, Antananarivo Madagascar.
- 1995 Natural and human-induced change in Madagascar, The Field Museum, Chicago.
- 1995 Biogeography of Madagascar, Société de Biogéographie, Paris.
- 1985 Madagascar Forest Ecosystems, IUCN/WWF/MRSTD, Antananarivo, Madagascar.

Selected Invited Lectures

- 2015 UCL Biology Seminar Series, London.
- 2006 Zoological Society of London, Madagascar Research Evening.
- 2004 SUNY Department of Ecology and Evolution Colloquia Series
- 2001 Yale University, Department of Ecology and Evolutionary Biology

Selected Conference Presentations

- 2017 ASIH/AES/HL/SSAR Joint Meetings, Austin, TX.
- 2007 ASIH/AES/HL/SSAR Joint Meetings, St. Louis, MO.
- 2004 ASIH/AES/HL/SSAR Joint Meetings, Norman, OK.
- 2004 Society for Conservation Biology, New York, NY (presented by C. Kremen).
- 1999 ASIH/AES/HL/SSAR Joint Meetings, State College, PA.

Other Languages

- French
- Malagasy vocabulary

Exhibition Curatorial Experience

- Co-curator for the AMNH exhibition: *Cuba*. 2016-17.
- Curator for the AMNH exhibition: *Lonesome George*. 2014-15
- Lead curator for the AMNH exhibition: *Frogs, a chorus of colors*. 2004, 2007, 2009, 2011, 2013.
- Content reviewer for all AMNH exhibitions, 2004-15.

Non-publication Research Outputs

- Sound recordings of 70 species of amphibians from Madagascar.
- 15,000 color images of amphibians and reptiles.

Publications

In Prep.

Florio, A.M. and C.J. Raxworthy (in prep.). Hybridization limited to contact zones between three closely related *Furcifer* chameleon species in Madagascar.

Welt, R.S. and C.J. Raxworthy (in prep.). Dispersal, not vicariance, explains the biogeographic origins of Iguanas on Madagascar. *J. Biogeography*.

Le, M., W.P. McCord, J.B. Iverson, R. Bour, and C.J. Raxworthy (in prep.). Dispersal and extinction resolve the Madagascar-South America podocnemidid turtle enigma. *PNAS*.

Submitted

- Burbink, F., S. Ruane, A. Kuhn, N. Rabibisoa, B. Randriamahatansoa, A.P., Raselimanana, M. Andrianarimalala, J. Cadle, A. Lemmon, E. Moriarty Lemmon, R.A. Nussbaum, L. Jones, R. Pearson, and C.J. Raxworthy (submitted). Genomic data shows that uninterrupted speciation rates throughout the Neogene produced Madagascar's diverse snake fauna.
- Kuhn, A., M. Gehara, C.J. Raxworthy, S. Ruane, and F. Burbink (submitted). Unique timing and demographic responses to Late Quaternary climate change among Malagasy herpetofaunal assemblages.

In Press

- Zichello, J.M., K.L. Baab, K. P. McNulty, C.J. Raxworthy and M. E. Steiper (submitted). Hominoid intraspecific cranial variation mirrors neutral genetic diversity. PNAS.
- Reid, B., J. Kass, S. Wollney, E. Jensen, M. Russello, E. Viola, J. Pantophlet, J. Iverson, M. Peery, C.J. Raxworthy, and E. Naro-Maciel (submitted). Disentangling the genetic effects of refugial isolation and range expansion in a trans-continently distributed species. Heredity.
- Yuan, Z.-Y., B.-Li. Zhang, C.J. Raxworthy, D. W. Weisrock, P. M. Hime, J. Jin, A. R. Lemmon, E. M. Lemmon, S. D. Holland, M. Kortyna, W. Zhou, M. Peng, J. Che and E. Prendini (in press). Natatanuran frogs used the Indian Plate to step-stone disperse and radiate across the Indian Ocean. National Science Review.
- Prendini, E., S.K. Dutta, R.K. Aggarwal, C.J. Raxworthy, and K. Vasudevan (in press). Osteology of the enigmatic Indian Purple Frog *Nasikabatrachus* (Anura: Sooglossidae: Nasikabatrachidae): Adaptations to a fossorial lifestyle, Myremecophagy and cranial kinesis. Bulletin of the American Museum of Natural History.

Published

- Ruane, S., E. Myers, L. Kahmun, S. Yuen, R.S. Welt, M. Juman, I. Futterman, R. A. Nussbaum, G. Schneider, F. T. Burbink, and C. J. Raxworthy (2017). Unrecognized species diversity and new insights into color pattern polymorphism within the widespread Malagasy snake *Mimophis* (Serpentes: Lamprophiidae). Systematics and Biodiversity 16 (3): 229-244.
- Le, M., and C.J. Raxworthy (2017). Human-mediated dispersals do not explain tortoise distribution on the Indian Ocean's island. Journal of Biogeography 44: 2421-2424.
- Pedro, L.V. C.J. Raxworthy, W.C. Wheeler, and Frost D.R. (2017). Nomenclatural stability does not justify recognition of paraphyletic taxa: a response to Scherz *et al.* Molecular Phylogenetics and Evolution 111: 56-64.
- Blumgart, D., J. Dolhem, and Raxworthy C.J (2017). Herpetological richness and abundance across intact and modified habitats of Nosy Komba Island, Madagascar. Journal of Natural History 51: 625-642.
- Stanley, R.C. and Raxworthy, C.J. (2016). Rediscovery of the enigmatic day gecko *Phelsuma masohoala* in Northeast Madagascar. Herpetological Conservation and Biology 11: 4012-407.

- Florio, A.M. and Raxworthy, C.J. (2016). Comparative phylogeography of Malagasy giant chameleons (*Furcifer verrucosus* and *Furcifer oustaleti*) indicate multiple drivers of diversification in Madagascar. *PlosOne*. 11(6): e0154144. doi:10.1371/journal.pone.0154144.
- Ruane, S., Burbrink, F.T., Randriamantsoa, B. and Raxworthy, C.J. (2016). The cat-eyed snakes of Madagascar: Phylogeny and description of a new species of *Madagascarophis* (Serpentes: Lamprophiidae) from the Tsingy of Ankarana. *Copeia* 104 (3): 712-721.
- Resetarits, E. and Raxworthy, C.J. (2016). Hidden in plain sight: how ventral line markings in chameleons may enhance camouflage. *American Naturalist*. 187: 262-273.
- Biju, S. D., Senevirathne, G., Garg, S., Mahony, S., Kamei, R.G., Thomas, A., Shouche, Y., Raxworthy, C.J., Meegaskumbura, M., Van Bocxlae, I. (2016). *Frankixalus*, a new genus of tree hole breeding frogs (Rhacophoridae) with oophagous tadpoles from Northeast India. *PlosOne* 11(1): e0145727. doi:10.1371/journal.pone.0145727.
- McClelland, P., Reardon, J.T, Kraus, F., Raxworthy, C.J. and Randrianantoandro, C. (2016) Asian toad eradication feasibility report for Madagascar. Amphibian Survival Alliance. Te Anau, New Zealand. 75 pages.
- Ruane, S., Raxworthy, C.J., Lemmon, A.R., Moriarty Lemmon, E., Burbrink, F.T. (2015). Comparing species-tree estimation with large anchored phylogenomic and small Sanger-sequenced molecular datasets: An empirical study on Malagasy pseudoxyrhophiine snakes. *BMC Evolutionary Biology* 15:221. DOI 10.1186/s12862-015-0503-1
- Bletz, M., Rosa, G., Andreone, F., Courtois, E., Schmeller, D., Rabibisoa, N., Rabenmananjara, F., Raharivololoniaina, L., Vences, M., Weldon, C., Edmonds, D., Raxworthy, C.J., Harris, R., Fisher, M., and Crottini, A. (2015). Consistency of Published Results on the Pathogen *Batrachochytrium dendrobatidis* in Madagascar: Formal Comment on Kolby et al. Rapid Response to Evaluate the Presence of Amphibian Chytrid Fungus (*Batrachochytrium dendrobatidis*) and Ranavirus in Wild Amphibian Populations in Madagascar. *PlosOne*. DOI: 10.1371/journal.pone.0135900.
- Oliver, L.A., Prendini, E., Kraus, F., and C.J. Raxworthy. (2015). Systematics and biogeography of the *Hylarana* frog (Anura: Ranidae) radiation across tropical Australasia, Southeast Asia, and Africa. *Molecular Phylogenetics and Evolution*. 90: 176-92.
- Gardner, C. J. Raxworthy, C.J., Metcalfe, K., Raselimanana, A.P., Smith, R.J., Davies, Z.G. (2015). Comparing Methods for Prioritising Protected Areas for Investment: A Case Study Using Madagascar's Dry Forest Reptiles. *PlosOne*. DOI: 10.1371/journal.pone.0132803.
- Peloso P.L.V, Frost D.R, Richards S.J, Rodrigues M.T, Donnellan S., Matsui M., Raxworthy C.J, Biju S.D, Lemmon E.M, Wheeler W.C (2015) The impact of anchored phylogenomics and taxon sampling on phylogenetic inference in narrow-mouthed frogs (Anura, Microhylidae). *Cladistics* 32: 113-140.
- Bletz, M., Rosa, G., Andreone, F., Courtois, E., Schmeller, D., Rabibisoa, N., Rabenmananjara, F., Raharivololoniaina, L., Vences, M., Weldon, C., Edmonds,

- D., Raxworthy, C.J., Harris, R., Fisher, M., and Crottini, A. (2015). Widespread presence of the pathogenic fungus *Batrachochytrium dendrobatidis* in wild amphibian communities in Madagascar. *Scientific Reports* 5, article 8633, doi:10.1038/srep08633.
- Rosa, G., Crottini, Noel, J., Rabibisoa, N., Raxworthy, C.J., and Andreone, F. (2014). A new diminutive phytotelmic *Platypelis* frog (Microhylidae: Cophylinae) from the Betampona Reserve, Eastern Madagascar. *Salamandra* 50: 201-214
- Jenkins, R., Marcelo F. F. Tognelli; Philip Bowles; Neil Cox; Jason L. Brown; Lauren Chan; Franco Andreone; Alain Andriamazava; Raphali R. Andriantsimanarilafy; Mirana Anjeriniaina; Parfait Bora; Lee D. Brady; Elisoa F. Hantalalaina; Frank Glaw; Richard A. Griffiths; Craig Hilton-Taylor; Michael Hoffmann; Vineet Katariya; Nirhy H. Rabibisoa; Jeanot Rafanomezantsoa; Domoina Rakotomalala; Hery Rakotondravony; Ny. A. Rakotondrazafy; Johans Ralambonirainy; Jean-Baptiste Ramanamanjato; Herilala Randriamahazo; Christian J. Randrianantoandro; Harison H. Randrianasolo; Jasmin E. Randrianirina; Hiarinirina Randrianizahana; Achille P. Raselimanana; Andriambolantsoa Rasolohery; Fanomezana M. Ratsoavina; Christopher J. Raxworthy; Eric Robsomanitrandasana; Finoana Rollande; Peter P. van Dijk; Anne D. Yoder; Miguel Vences (2014). Extinction Risks and the Conservation of Madagascar's Reptiles. *PLOS ONE*: 9(8): e100173. doi:10.1371/journal.pone.0100173
- Kolby, J. et al. (2014) Stop Madagascar's toad invasion now. *Nature* 509: 563.
- Raselimanana, A.P., Raxworthy C. J. , Andreone, F., Glaw, F., and Vences, M. (2014). An enigmatic new *Scaphiophryne* toadlet from the rainforests of north-eastern Madagascar (Amphibia: Microhylidae). *Vertebrate Zoology* 64: 95-102.
- Pearson, R.G., Stanton J.C., Shoemaker, K.T., Aiello-Lammensm.E., Ersts, P.J., Horning, N., Fordham, D.A., Raxworthy, C.J., Ryu, H.Y., McNees, J. and Akçakaya, H.R. (2014). Life history and spatial traits predict extinction risk due to climate change. *Nature Climate Change* 4: 217-221.
- Vences, M., Rakotoarison, A., Rakotondrazafy, A.M.N.A., Ratsoavina, F.M., Randrianiaina, R.G., Glaw, F., Lehtinen, R.M. and Raxworthy C. J. (2013). Assessing the diversity of phytotelmic frogs along Madagascar's east coast: Redefinition of *Guibemantis bicalcaratus* (Boettger, 1913) and revalidation of *Guibemantis methueni* (Angel, 1929). *Vertebrate Zoology* 63 (2): 193-205.
- Blair, M.E, Sterling, E.J., Dusch, M., Raxworthy, C.J. and Pearson, R.G. (2013). Ecological divergence and speciation in *Eulemur* sister species. *Journal of Evolutionary Biology*. 26:1790-801.
- Florio, A.M., Falk, B.G. and Raxworthy, C.J. (2013). Development of ten polymorphic microsatellite loci for three closely related chameleons in Madagascar: *Furcifer lateralis*, *Furcifer majori*, and *Furcifer viridis*. *Conservation Genetic Resources* 5 (2): 343-345.
- Le, M., Reid, B., McCord, W., Naro-Maciel, E., Raxworthy, C.J., Amato, G., Georges, A. (2013). Resolving the phylogenetic history of the snapping turtles, genera *Elseya* and *Myuchelys* (Testudines: Chelidae) from Australia and New Guinea. *Molecular Phylogenetics and Evolution* 68: 251–258.
- Böhm, M., et al. Raxworthy, C.J. et al. (2013). The conservation status of the world's reptiles. *Biological Conservation* 157: 372–385.

- Florio, A.M., Ingram, C.M., Rakotondravony, H.A., Louis, E.E. and Raxworthy, C.J. (2012). Detecting cryptic speciation in the widespread and morphologically conservative carpet chameleon (*Furcifer lateralis*) of Madagascar. *Journal of Evolutionary Biology* 25: 1399 - 1414.
- Raxworthy, C.J., Ananjeva, N., and Orlov, N.L. (2012). Techniques for complete species inventories. In: *Reptile Biodiversity. Standard methods for inventory and monitoring.* (McDiarmid, R.W. et al. Eds.), pp. 209-215. University of California Press, Berkely.
- Raxworthy, C.J. (2012). Voucher Specimens: preparation of hemipenes. In: *Reptile Biodiversity. Standard methods for inventory and monitoring.* (McDiarmid, R.W. et al. Eds.), pp. 102. University of California Press, Berkely.
- Andreone, F., Carpenter, A.I., Copesey, J., Crottini, A., Garcia, G., Jenkins, R. K. B., Köhler, J., Rabibisoa, N.H., Randriamahazo, H. and Raxworthy, C.J. (2012). Saving the diverse Malagasy amphibian fauna: where are we four years into the Sahonagasy Action Plan? *Alytes* 29: 43-57.
- Rosa, G. M. , Andreone, F., Crottini, A., Susanne Hauswaldt, J., Noël, J., Rabibisoa, N.H., Randriambahiniarime, M.O., Rebelo, R., and Raxworthy, C.J. (2012). The amphibians of the relict Betampona low-elevation rainforest, eastern Madagascar: an application of the integrative taxonomy approach to biodiversity assessments. *Biodiversity and Conservation* 21: 1531-1559.
- Raxworthy, C.J. (2012). The first comprehensive description of the amphibians and reptiles of the World. In: *Natural Histories: Extraordinary Rare Book Selections from the AMNH Library.* Sterling Publishing, New York.
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