

## CURRICULUM VITAE

### FRED KRAUS

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#### EDUCATION

- Ph.D., University of Michigan, Department of Biology, 1987
- B.S., University of Toledo, Department of Biology, 1980

#### POSITIONS

- Research Scientist, University of Michigan, May. 2014–present
- Assistant Research Scientist, University of Michigan, Aug. 2013–May 2014
- Research Biologist, Mississippi State University, Oct. 2012 – July 2013
- Adjunct Research Scientist, University of Michigan, Sept. 2012 – August 2013
- Research Zoologist, Bishop Museum, Aug. 2001 – Oct. 2012
- Alien Species Coordinator, Hawaii Div. of Forestry and Wildlife, Nov. 1996 – July 2001
- Affiliate Graduate Faculty, University of Hawaii, March 2001 – May 2010
- Research Associate, Bernice P. Bishop Museum, Honolulu, Nov. 1997 – July 2001
- Adjunct Research Associate, Museum of Zoology, University of Michigan, Sept. 1996 – Sept. 1997
- Research Associate, Dept. of Biology, University of Michigan, March 1992 – Oct. 1996
- Research Associate, The Conservation Agency, March 1991 – present
- Adjunct Research Associate, Dept. of Biology, University of Michigan, July 1990 – March 1992
- Postdoctoral Research Associate, Dept. of Zoology, University of Florida, April 1988 – May 1990
- Teaching Assistant, Dept. of Biology, University of Michigan, 1980 – 81, 1984, 1986
- Research Assistant, Dept. of Biology, University of Michigan, 1983, 1984 – 85
- Field Biologist, Ohio Dept. of Natural Resources, June – August 1980

#### RESEARCH INTERESTS

- Evolution, systematics, and biogeography of the Papuan herpetofauna.
- Evolution and conservation of insular faunas, especially reptiles, amphibians, and landsnails.
- Patterns, processes, and ecology of alien-species invasions
- Development of risk-assessment protocols for alien reptiles and amphibians.

#### SCHOLARSHIPS AND GRANTS

- National Geographic Society, "Reptile and Amphibian Surveys of Islands in the Vitiaz Strait, Papua New Guinea", 2018, \$20,200.
- U.S. Department of Agriculture, "Potential toxicity of acetaminophen and alpha-chloralose to small invasive lizards", 2017-2019, \$25,000.
- U.S. Department of Agriculture, "Assessing passive heating as a means to remove brown treesnakes (*Boiga irregularis*) from cargo pallets", 2015–2016, \$94,567.
- U.S. Department of Agriculture, "Using heat to drive brown treesnakes (*Boiga irregularis*) from cargo pallets", 2013–2015, \$186,608.
- National Science Foundation, "Systematics and adaptive radiation of Papuan asterophryine frogs", 2012–present, \$200,000.
- Hawaii Invasive Species Council, "Assessing risk of Jackson's chameleon, *Chamaeleo jacksonii*, to native animal communities in Hawaii", 2009, \$12,100
- Hawaii Invasive Species Council, "Developing an alien-species database for HISC", 2009, \$160,000
- National Science Foundation, "Discovery and description of a megadiverse herpetofauna", 2008–2013, \$700,000

- U.S. Fish & Wildlife Service, “Construction and publication of a global database of reptile and amphibian introductions”, 2006, \$61,000
- National Park Service, “Reptile and amphibian surveys in the large national parks of Hawaii”, 2005, \$15,871
- Hawaii Invasive Species Council, “Developing a database to provide risk analysis of reptile and amphibian introductions”, 2005, \$36,250
- U.S. Fish & Wildlife Service, “Publication of a database of alien reptiles & amphibians, phase 2”, 2005, \$41,015
- Conservation International, “Biotic survey of Rossel and Sudest Islands, Papua New Guinea”, 2004, \$29,000
- U.S. Fish & Wildlife Service, “Taxonomic support for seized alien reptiles and amphibians”, 2003, \$2500
- U.S. Fish & Wildlife Service, “Publication of a database of alien reptiles & amphibians, phase 1”, 2003, \$17,500
- U.S. Dept. Agriculture, “Dietary analysis of the invasive frog *Eleutherodactylus coqui* on Hawaii Island”, 2002, \$7200
- National Science Foundation, “Systematics and biogeography of the herpetofauna of Papua New Guinea”, 2001–2005, \$315,000
- National Science Foundation, “Molecular phylogenetics of advanced snakes (Colubroidea)”, 1992–1995, \$208,350
- State of Michigan Non-game Species Research Grant, “Survey of *Ambystom texanum* distribution in Michigan”, 1988, \$3280
- Rackham Predoctoral Fellowship, University of Michigan, 1986
- Rackham Dissertation Grant, University of Michigan, 1985, \$1000
- Walker-Hinsdale Grant, University of Michigan, 1984, \$800; 1985 \$1000
- Rackham Block Grant, University of Michigan, 1983, 1985, \$500 each
- Edwin H. Edwards Scholarship, University of Michigan, 1983, \$500
- NSF Predoctoral Fellowship, 1981–1984

### PROFESSIONAL SERVICE

- Skink Specialist Group of IUCN Species Survival Commission, February 2019 – present
- Religion and Conservation Research Collaborative of the Religion and Conservation Biology Working Group, Society for Conservation Biology, May–October 2016
- Monitor Lizard Specialist Group of IUCN Species Survival Commission, September 2014 – present
- Editorial Board, *Biological Invasions*, 2010–present
- Board of Trustees, Herpetologists’ League, 2010–2013
- Peer review of proposed U.S. Fish and Wildlife Service rule to list nine giant constrictors as injurious wildlife, April 2010
- Chair, Hawaii’s Coordinating Group on Alien Pest Species, July 2009 – June 2010
- Deputy Chair, Hawaii’s Coordinating Group on Alien Pest Species, July 2008 – June 2009
- Amphibian Specialist Group of IUCN Species Survival Commission, October 2007 – present
- Standard English and Scientific Names Committee, Society for the Study of Amphibians and Reptiles (November 2006–August 2018)
- Invasive Species Specialist Group of IUCN Species Survival Commission, February 2006 – present
- Board of Directors, Conservation Council for Hawaii, October 2005 – October 2008
- Editorial Board, *Herpetological Natural History*, 1995–2000
- Mentoring graduate and undergraduate students and visiting scientists in laboratory or field research, 1985–present.

### MEMBERSHIPS

- American Society of Ichthyologists and Herpetologists
- Herpetologists’ League
- Society for the Study of Amphibians and Reptiles
- Biological Society of Washington

**INVITED TALKS**

- World Congress of Herpetology symposium “Ecology, Evolution and Impacts of Alien Amphibians and Reptiles”, Tonglu, China, August 2016
- University of Central Florida, Department of Biology, February 2013.
- Endemic Species Research Unit, “2010 Symposium on Monitoring and Management of Alien Invasive Species”, Taipei, Taiwan, November 2010
- United Nations University, International Day for Biological Diversity Symposium “Invasive Alien Species: Causes and Impacts”, Toyko, Japan, May 2009
- University of Ryukyus, 21<sup>st</sup> Century Center of Excellence Program, workshop “Biodiversity and Invasive Species: Lessons from the neighbouring regions”, Naha, Okinawa, November 2008
- Sixth World Congress of Herpetology, symposium “Invasive reptiles and amphibians: global perspectives and local solutions”, Manaus, Brazil, August 2008
- IUCN/GISP/CBD international workshop “Preventing Biological Invasions: Best Practices in Pre-import Risk Screening for Species of Live Animals in International Trade”, Notre Dame University, South Bend, Indiana, April 2008
- U.S. Department of Agriculture, international symposium “Managing Vertebrate Invasive Species”, Ft. Collins, Colorado, August 2007
- Brown Treesnake Working Group Technical Meeting, Tumon, Guam, April 2007
- Forestry and Forest Products Research Institute, Tsukuba, Japan, symposium on invasive alien species in the Ogasawara Islands, February 2007
- U.S. Geological Survey, Florida Integrated Science Center, December 2006
- Joint meeting of U.S. herpetological societies, Tampa, Florida, symposium on invasive reptiles and amphibians, July, 2005
- University of Hawaii; Ecology, Evolution, and Conservation Biology Program, December 2000
- Global Invasive Species Program, symposium on pathways of alien species invasion, Edgewater, Maryland, November 1999
- University of Texas at Arlington, Department of Biology, February 1996
- Texas A&M University, Department of Wildlife and Fisheries Science, January 1996
- American Society of Ichthyologists and Herpetologists, symposium on snake phylogenetics and evolution, Edmonton, Alberta, June 1995
- University of Brunei Darussalam, December 1992
- Regional symposium on public and private cooperation in national park development, Roadtown, British Virgin Islands, August 1991
- American Museum of Natural History, November 1990
- International Congress of Systematic and Evolutionary Biology, symposium on phylogenetic analysis of sequence data, College Park, MD, July 1990
- Museum of Zoology, Louisiana State University, March 1990
- First World Congress of Herpetology, symposium on unisexual reptiles and amphibians, Canterbury, England, September 1989
- University of Florida, Department of Zoology, October 1988
- American Society of Ichthyologists and Herpetologists, symposium on biology of unisexual vertebrates, Albany, NY, June 1987
- University of Toledo, Department of Biology, November 1986

**CONTRIBUTED TALKS**

- Iguana Specialist Group annual meeting, Roatan, November, 2019
- Brown Treesnake Technical Group annual meeting, Guam, November, 2016
- Brown Treesnake Technical Group annual meeting, Guam, November, 2015
- Brown Treesnake Technical Group annual meeting, Guam, December, 2013
- Hawaii Conservation Conference, Honolulu, Hawaii, August, 2000
- Hawaii Conservation Conference, Honolulu, Hawaii, July 1998
- Society for the Study of Amphibians and Reptiles, Athens, Georgia, July 1994
- Society of Systematic Zoology, Boston, Massachusetts, December 1989

## WEBSITES

Papuan Herpetofauna. <http://www.bishopmuseum.org/research/pbs/papuanherps/>

## FIELD EXPERIENCE

Australia, Brazil, Brunei, Ecuador, Guam, Lesser Antilles, Palau, Papua New Guinea, Philippines, Puerto Rico, Taiwan, Virgin Islands, all parts of the co-terminous United States. Work in all locations has primarily involved systematic/phylogenetic research or conservation surveys for reptiles, amphibians, and/or land snails but has also included ecological mark-recapture studies of snakes and turtles in Ohio and Michigan and surveys for endangered plants in Ohio, Michigan, Hawaii, and British Virgin Islands.

## OTHER RELEVANT EXPERIENCE

- Many years curating reptile, amphibian, and mollusk collections.
- Extensive experience educating the general public and policy makers on scientific matters involving invasive alien species, utilizing public talks and print, radio, and television media.
- Certified advanced open-water SCUBA diver.

## CONSERVATION EXPERIENCE

- Jan 2019–present. Developed eradication program and served as reptile-eradication consultant on GEF-funded project to Biosecurity Authority of Fiji to eradicate invasive iguanas (*Iguana iguana*) from the country.
- May–October 2016. Developed technical aspects of final project document “Building Capacities to Address Invasive Alien Species to Enhance the Chances of Long-term Survival of Terrestrial Endemic and Threatened Species on Taveuni Island and Surrounding Islets” for submission by United Nations Development Program to Global Environmental Facility.
- April 2010. Participated in 5-day international workshop “Helping Islands Adapt” to improve regional cooperation among island states in managing invasive species to preserve biodiversity and adapt to climate change, Auckland, New Zealand.
- November 2008. Participated in 3-day international workshop to map the world’s reptile diversity so as to highlight conservation needs, Imperial College, Silwood Park, England.
- April 2008. Participated in 3-day international workshop to develop for the 9<sup>th</sup> Conference of the Parties for the Convention on Biological Diversity a statement of best practices in devising and implementing screening protocols for live animal imports, South Bend, Indiana.
- August–September 2005. Conducted inventories for National Park Service of reptiles and amphibians present in Hawaii Volcanoes, Kalaupapa, and Haleakala national parks, Hawaii.
- July 2005. Participated in 3-day workshop to identify effective control means for pythons in Everglades National Park, develop plans for a rapid-response program to eradicate incipient populations of invasive alien vertebrates in South Florida, and develop a public-relations campaign to gain public support for both programs, West Palm Beach, Florida.
- 29 April 2003. Provided invited testimony on invasive-species problems in Hawaii and the Pacific to the House Resources Committee, Subcommittee on Fisheries Conservation, Wildlife, and Oceans, and Subcommittee on National Parks, Recreation, and Public Lands, Washington, DC.
- 1996–2001. Active as state employee devising and implementing policy and field programs to reduce problems posed by alien species introductions so as to further conservation of native species and ecosystems in Hawaii. Educating public on problems posed by alien species for native biodiversity via television, radio, print, and public speaking. Assisting development of inter-agency collaborations to combat alien invasions in Hawaii. Coordinating volunteers in habitat restoration projects and alien weed removal. Assisting in identifying and testing new chemical control methods for Caribbean frogs.
- 1992–1996. Active in Michigan Biodiversity Project, working to enhance the protection of native biodiversity within the state of Michigan by public advocacy and education, oversight of public lands management, and conduction of biological surveys.
- 1991–1992. Assisted the Center for Plant Conservation (St. Louis, MO) and Fairchild Tropical Garden (Miami, FL) in assessing the status of rare plants in the Virgin Islands and in providing materials for captive propagation of rare species from that region.
- February–October 1991. Designed, acquired funding for, and conducted project in the British Virgin Is. aimed at protecting/restoring native dry tropical forest and monitoring surrounding reefs. Project included surveying, censusing, artificial propagation, and reintroduction of rare plants; eradication of

- exotic plants and feral sheep and goats; long-term monitoring of forest recovery and transplantation success; scientific surveys of local land snails; and long-term monitoring of adjacent reefs.
- 1980–1995. Conducted numerous surveys of reptiles, amphibians, snails, and plants in Ohio and Michigan for the Ohio Department of Natural Resources, City of Ann Arbor, Michigan Department of Natural Resources, Michigan Department of Transportation, Michigan chapter of The Nature Conservancy, and Michigan Nature Association.

### CONSERVATION REPORTS

- Kraus, F. 2019. Status report for BAF iguana-eradication project 29 October 2019. Report prepared for United Nations Development Program, Suva. 12 pp.
- Kraus, F. 2019. Eradication plan for Giant Invasive Iguana (*Iguana iguana*) in Fiji. Report prepared for United Nations Development Program, Suva. 43 pp.
- Awoyemi, S.M., F. Kraus, Y. Li, K. Magellan, and J. Schaefer. 2016. Prayer animal release can embody conservation principles: a call to action. Religion and Conservation Research Collaborative of the Religion and Conservation Biology Working Group, Society for Conservation Biology, 7 pp.
- McClelland P., J.T. Reardon, F. Kraus, C.J. Raxworthy, and C. Randrianantoandro. 2015. Asian toad eradication feasibility report for Madagascar. Final report to Amphibian Survival Alliance, 72 pp.
- Kraus, F. 2013. Efficacy of vaporized chemicals and product compounds for eliciting exit of brown treesnakes from enclosed spaces. Final report to USDA/APHIS/National Wildlife Research Center, Hawaii Field Station, Hilo, 16 pp.
- Kraus, F., and D. Preston. 2011. Dietary analysis of the invasive lizard *Chamaeleo jacksonii* from a wet forest habitat in Hawaii. Final report to Hawaii Invasive Species Council, Honolulu, 10 pp.
- Kraus, F. 2010. Risk assessment for intentional pathways of terrestrial vertebrate introductions to Micronesia. Final report to U.S. Department of Agriculture/Animal and Plant Health Inspection Service/Wildlife Services, Hilo, Hawaii, 35 pp.
- Kraus, F., and D. Preston. 2010. Diet of *Chamaeleo jacksonii* (Squamata: Chamaeleonidae) in a dry forest on Maui. Final report to Hawaii Cooperative Studies Unit, University of Hawaii, Hilo, 19 pp.
- Kraus, F. 2008. Report on rapid risk assessment of Hawaii Superferry efforts to interdict invasive species. Final report to Hawaii Department of Transportation, 12 pp.
- Bomford, M., and F. Kraus. 2008. Exotic reptiles and amphibians. Pp. 34–91 in Bomford, M. Risk assessment models for establishment of exotic vertebrates in Australia and New Zealand. Invasive Animals Cooperative Research Centre, Canberra.
- Kraus, F., A. Allison, D.A. Polhemus, and J. Slapcinsky. 2006. Wildlife resources survey for Papua New Guinea. Final report to Department of Environment and Conservation, Port Moresby, Papua New Guinea, 106 pp.
- Bomford, M., F. Kraus, M. Braysher, L. Walter, and L. Brown. 2005. Risk assessment model for the import and keeping of exotic reptiles and amphibians. Final report to Australian Department of Environment and Heritage, 110 pp.
- Kraus, F. 2005. Inventory of reptiles and amphibians in Hawaii Volcanoes, Haleakala, and Kalaupapa national parks. Final report to U.S. National Park Service, Inventory and Monitoring Program, 16 pp.
- Kraus, F., T. Pratt, and J. Slapcinsky. 2005. Wildlife resources survey of Rossel and Sudest islands, Louisiade Archipelago, Milne Bay Province. Final report to Conservation International, Port Moresby, Papua New Guinea, 46 pp.
- Kraus, F., A. Allison, T. Pratt, D.A. Polhemus, J. Slapcinsky, and K. Helgen. 2003. Wildlife resources survey and analysis of Milne Bay Province. Final report to Department of Environment and Conservation, Port Moresby, Papua New Guinea, 139 pp.
- Ducey, P.K., F. Kraus, G. Schneider, and R. Kessie. 1988. An investigation into the status of the small-mouthed salamander, *Ambystoma texanum*, in Michigan. Final report to Michigan Department of Natural Resources, Lansing, Michigan, 22 pp.

### EDUCATIONAL ARTICLES

- Kraus, F. 2012. Exploring New Guinea's rich diversity of amphibians and reptiles. Drunken Boat 16. Available at: <http://www.drunkenboat.com/db16/fred-kraus>.

### SCIENTIFIC PUBLICATIONS

- Kraus, F., and P. Oliver. 2020. A new species of *Lepidodactylus* (Squamata: Gekkonidae) from the mountains of northeastern Papua New Guinea: older than the hills. *Zootaxa* 4718: 549–561.

- Kraus, F., and V. Weijola. 2019. New species of *Cyrtodactylus* (Squamata: Gekkonidae) from Karkar Island, Papua New Guinea. *Zootaxa* 4695: 529–540.
- Burbrink, F.T., F.G. Grazziotin, R.A. Pyron, D. Cundall, S. Donnellan, F. Irish, S. Keogh, F. Kraus, R.W. Murphy, B. Noonan, S. Ruane, C.J. Raxworthy, A.R. Lemmon, E.M. Lemmon, and H. Zaher. 2019. Interrogating the Genomes of Squamata (Lizards, Snakes, and Amphisbaenians) with Novel Machine-Learning Techniques Shows no Support for Deeper Traditional Morphological Relationships. *Systematic Biology*. doi.org/10.1093/sysbio/syz062
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2019. Natural history notes: *Nyctimystes intercastellus*. *Endoparasites. Herpetological Review* 50: 547–548.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2019. Natural history notes: *Carlia bicarinata*. *Endoparasite. Herpetological Review* 50: 570.
- Kraus, F. 2019. New species of *Lepidodactylus* (Squamata: Gekkonidae) from New Guinea and adjacent islands. *Zootaxa* 4651: 305–329.
- Kraus, F. 2019. A revision of *Callulops doriae* (Anura: Microhylidae), with descriptions of four new species. *Zootaxa* 4612: 1–28.
- Weijola, V., V. Vahtera, C. Lindqvist, and F. Kraus. 2019. Molecular phylogeny for the Pacific monitor lizards (*Varanus* subgenus *Euprepiosaurus*) reveals a recent and rapid radiation with high levels of cryptic diversity. *Zoological Journal of the Linnean Society* 186: 1053–1066. doi: 10.1093/zoolinnean/zlz002.
- Kraus, F. 2018. A new species of *Emoia* (Squamata: Scincidae) from Papua New Guinea. *Journal of Herpetology* 52: 430–436.
- Kraus, F. 2018. Taxonomy of *Litoria graminea* (Anura: Hylidae), with descriptions of two closely related new species. *Zootaxa* 4457: 264–284.
- Bryant, B.P., and F. Kraus. 2018. Neural basis of trigeminal chemo- and thermonociception in brown treesnakes, *Boiga irregularis* (Squamata: Colubridae). *Journal of Comparative Physiology A*, https://doi.org/10.1007/s00359-018-1270-4.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2018. Helminths from *Emoia physicae* (Squamata: Scincidae) from Papua New Guinea. *Pacific Science* 72: 389–391.
- Reardon, J.T., F. Kraus, M. Moore, L. Rabenantenaina, A. Rabinivo, N. Rakotoarisoa, and H. Randrianasolo. 2018. Testing tools for eradicating the invasive toad *Duttaphrynus melanostictus* in Madagascar. *Conservation Evidence* 15: 12–19.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2018. Helminths of the green and black poison frog, *Dendrobates auratus* (Anura: Dendrobatidae) from Hawaii. *Alytes* 35: 3942.
- Goldberg, S.R., and F. Kraus. 2018. Reproduction in the Green Anole, *Anolis carolinensis* (Squamata: Dactyloidae) from Hawaii. *Current Herpetology* 37: 69–74.
- Tallowin, O.J.S., K. Tamar, S. Meiri, A. Allison, F. Kraus, S.J. Richards, and P.M. Oliver. 2018. Early insularity and mountain uplift were complementary drivers of diversification in a Melanesian lizard radiation (Gekkonidae: *Cyrtodactylus*). *Molecular Phylogenetics and Evolution* 125: 29–39.
- Kraus, F. 2018. A new species of *Choerophryne* (Anura: Microhylidae) from Papua New Guinea. *Proceedings of the Biological Society of Washington* 141: 53–60.
- Oliver, P.M., R. Brown, F. Kraus, E. Rittmeyer, S.L. Travers, and C.D. Siler. 2018. Lizards of the lost arcs: mid-Cenozoic diversification, persistence and ecological marginalization around the western Pacific. *Proceedings of the Royal Society of London B*, doi: 10.1098/rspb.2017.1760.
- Kraus, F. 2017. Two new species of *Toxicocalamus* (Squamata: Elapidae) from Papua New Guinea. *Journal of Herpetology* 51: 574–581.
- Kraus, F. 2017. A new insular species of *Oreophryne* (Anura, Microhylidae) from Papua New Guinea. *Journal of Herpetology* 51: 552–558.
- Meiri, S., A.M. Bauer, A. Allison, F. Castro-Herrera, L. Chirio, G. Colli, I. Das, T.M. Doan, F. Glaw, L.L. Grismer, M. Hoogmoed, F. Kraus, M. LeBreton, D. Meirte, Z.T. Nagy, C. de C. Nogueira, P. Oliver, O.S.G. Pauwels, D. Pincheira-Donoso, G. Shea, R. Sindaco, O.J.S. Tallowin, O. Torres-Carvajal, J.-F. Trape, P. Uetz, P. Wagner, Y. Wang, T. Ziegler, and Uri Roll. 2017. Extinct, obscure or imaginary: the lizard species with the smallest ranges. *Diversity and Distributions* 2017: 1–12, doi: 10.1111/ddi.12678
- Kraus, F. 2017. Biosecurity and risk management. Pp. 5–34 *In*: Pitt, W.C., J.C. Beasley, and G.W. Witmer (eds.), *Ecology and management of terrestrial invasive vertebrate species in the United States*. CRC Press, Boca Raton, Florida.
- Bulbert, M.W., T.E. White, R.A. Saporito, and F. Kraus. 2017. Ontogenetic colour change in *Oreophryne ezra* (Anura: Microhylidae) reflects an unusual shift from conspicuousness to crypsis but not in toxicity. *Biological Journal of the Linnean Society* 123: 12–20, doi.org/10.1093/biolinnean/blx124.

- Bursey, C.R., S.R. Goldberg, and F. Kraus. 2017. A new species of *Spauligodon* (Nematoda; Oxyuroidea; Pharyngodonidae) and other nematodes in *Cyrtodactylus epiroticus* (Squamata; Gekkonidae) from Papua New Guinea. *Acta Parasitologica* 62: 842–845.
- Roll, U., A. Feldman, M. Novosolov, A. Allison, A.M. Bauer, R. Bernard, M. Böhm, F. Castro-Herrera, L. Chirio, B. Collen, G.R. Colli, L. Dabool, I. Das, T.M. Doan, L.L. Grismer, M. Hoogmoed, Y. Itescu, F. Kraus, M. LeBreton, A. Lewin, M. Martins, E. Maza, D. Meirte, Z.T. Nagy, C. de C. Nogueira, O.S.G. Pauwels, D. Pincheira-Donoso, G.D. Powney, R. Sindaco, O.J.S. Tallowin, O. Torres-Carvajal, J.-F. Trape, E. Vidan, P. Uetz, P. Wagner, Y. Wang, C.D.L. Orme, R. Grenyer, and S. Meiri. 2017. The global distribution of tetrapods reveals a need for targeted reptile conservation. *Nature Ecology and Evolution* 1: 1677-1682. doi: 10.1038/s41559-017-0332-2.
- Kraus, F. 2017. A new species of *Oreophryne* (Anura: Microhylidae) from the mountains of southeastern Papua New Guinea. *Current Herpetology* 36: 105–115.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2017. Gastrointestinal helminths of the skink, *Lobulia brongersmai* (Squamata: Scincidae) from Papua New Guinea. *Comparative Parasitology* 84: 187–188.
- Kraus, F., and K.L. Krysko. 2017. Alien Species. Pp. 92–102 in Crother, B. (ed.), *Scientific and standard English names of amphibians and reptiles of North America north of Mexico, with comments regarding confidence in our understanding*, 8<sup>th</sup> edition. SSAR Herpetological Circular 43.
- Kraus, F. 2017. New species of blind snakes (Squamata: Gerrhopilidae) from the offshore islands of Papua New Guinea. *Zootaxa* 4299: 75-94.
- Weijola, V., F. Kraus, V. Vahtera, C. Lindqvist, and S.C. Donnellan. 2017. Reinstatement of *Varanus douarrha* Lesson 1830 as a valid species with comments on the zoogeography of monitor lizards (Squamata: Varanidae) in the Bismarck Archipelago, Papua New Guinea. *Australian Journal of Zoology* 64: 434-451.
- Rivero, J.A., F. Kraus, A. Allison, and M.A. Butler. 2017. Molecular phylogenetics and dating of the problematic New Guinea microhylid frogs (Amphibia: Anura) reveals elevated speciation rates and need for taxonomic reclassification. *Molecular Phylogenetics and Evolution* 112: 1-11.
- Tallowin, O.J.S., A. Allison, A.C. Algar, F. Kraus, and S. Meiri. 2017. Papua New Guinea terrestrial vertebrate richness: Elevation matters most for all except reptiles. *Journal of Biogeography* 44: 1734-1744, doi:10.1111/jbi.12949.
- Kraus, F., R. Stahl, and W. Pitt. 2017. An assessment of radiative heating as a thermal fumigant for invasive snakes in cargo. *International Journal of Pest Management*, doi: 10.1080/09670874.2017.1293309.
- Kumschick, S., G.J. Measey, G. Vimercati, F.A. de Villiers, M. Mokhatla, S.J. Davies, C. Thorp, A. Rebelo, T.M. Blackburn, and F. Kraus. 2017. How repeatable is the Environmental Impact Classification of alien taxa (EICAT)? Comparing independent global impact assessments of amphibians. *Ecology and Evolution* 7: 2661-2670, doi: 10.1002/ece3.2877.
- Iverson, J.B., R.S. Stahl, C. Furcolow, and F. Kraus. 2017. An evaluation of the use of pentosidine as a biomarker for aging turtles. *Conservation Physiology* 5: cow076; doi:10.1093/conphys/cow076.
- Kraus, F. 2016. Ten new species of *Oreophryne* (Anura, Microhylidae) from Papua New Guinea. *Zootaxa* 4195: 1–68.
- Li, X., X. Liu, F. Kraus, R. Tingley, and Y. Li. 2016. Risk of biological invasions is concentrated in biodiversity hotspots. *Frontiers in Ecology and the Environment* 14: 411–417.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2016. Endoparasites in the gecko, *Cyrtodactylus murua* (Squamata, Gekkonidae) from Papua New Guinea. *Sauria* 38: 60–62.
- Slapcinsky, J., and F. Kraus. 2016. Revision of Partulidae (Gastropoda, Stylommatophora) of Palau, with description of a new genus for an unusual ground-dwelling species. *ZooKeys* 614: 27–49.
- Goldberg, S.R., C.R. Bursey, and F. Kraus. 2016. Gastrointestinal helminths of two species of skinks: *Emoia verecunda* and *Prasinohaema flavipes* (Squamata: Scincidae) from Papua New Guinea. *Comparative Parasitology* 83: 269-271.
- Goldberg, S.R., and F. Kraus. 2016. Reproduction in the common house gecko, *Hemidactylus frenatus* (Squamata: Gekkonidae) from Hawaii. *The Herpetological Bulletin* 136: 10–12.
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