

## Dr Jodi J. L. Rowley

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Dr Jodi Rowley is the Curator of Amphibian and Reptile Conservation Biology at the Australian Museum and Conjoint Associate Professor at UNSW Sydney. Jodi's research seeks to uncover and document biodiversity and inform conservation decisions, and she also has a passion for communicating biodiversity conservation. Jodi has led dozens of expeditions in search of amphibians in Australasia and co-discovered 44 frog species and one reptile species new to science. She is the co-founder and Lead Scientist of FrogID, a national citizen science project that has collected over 1.2 million records of frogs across Australia. Jodi has co-authored over 160 scientific publications, is a National Geographic Explorer, a Fellow of the Royal Zoological Society of NSW, and Co-Chair for Australia for the IUCN SSC Amphibian Specialist Group. Jodi was named one of "100 Inspiring Australians" by Qantas in 2020, and 2023 Field Leader in Zoology by The Australian's Research Magazine. Jodi has been featured in the documentaries *Earthsounds* (Apple TV, 2024), *Australia's Wild Odyssey* (ABC TV), *Australia's Great Wild North* (2018) and on *The Drew Barrymore Show*. She has one snake and two frog species from Southeast Asia named in her honour.

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## ACADEMIC QUALIFICATIONS

### PhD, James Cook University. Townsville, Australia (31 March 2007)

"Why does chytridiomycosis drive some frog populations to extinction and not others? The effects of interspecific variation in host behavior". Supervisors: Ross Alford & Lin Schwarzkopf.

### Bachelor of Environmental Science (Hons. Class 1). University of New South Wales, Sydney, Australia (1 November 2002)

"Interactions between tadpoles of *Litoria aurea* and *Limnodynastes peronii*". Supervisors: Graham Pyke (Australian Museum) & Peter Greenaway (University of New South Wales).

## EMPLOYMENT

### Curator, Amphibian & Reptile Conservation, Australian Museum Research Institute, Australian Museum and Centre for Ecosystem Science, UNSW Australia (Sydney, Australia)

February 2016-Present

### Coordinator, Australian Museum Research Institute, Australian Museum (Sydney, Australia)

December 2013- February 2016

### Acting Coordinator, Australian Museum Research Institute, Australian Museum (Sydney, Australia)

September 2013- December 2013.

### Scientific Officer, Herpetology, Australian Museum (Sydney, Australia)

September 2008- December 2013.

### Head of Natural Sciences (Acting), Australian Museum (Sydney, Australia)

December 2012- March 2013

### Regional Wildlife Biologist, Conservation International (Phnom Penh, Cambodia)

December 2006- September 2008

### Teaching Assistant (Casual), James Cook University (Townsville, Australia)

July 2003-November 2006

### Technical Officer (Casual), Terrestrial Ecology, Australian Museum (Sydney, Australia)

November 2001-June 2003

### Project Officer, Re-establishment of the Green & Golden Bell Frog in wetlands at Long Reef Golf Course (Sydney, Australia)

November 2000-June 2003

### Field Technician, Australian Museum Business Services (Sydney, Australia)

February-May 2001

### Field Assistant, Australian Museum (Sydney, Australia)

October 1999-July 2003

## AWARDS/TITLES

- Prize for Innovation in Public Sector Science and Engineering (2023), NSW Premier's Prizes for Science & Engineering.
  - Australian Museum Research Institute Medal (2023)
  - Fellow of the Royal Zoological Society NSW (2023)
  - Field Leader in Zoology by The Australian's Research Magazine (2023)
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- *100 Inspiring Australians*, Qantas (2020)
- *Eureka Prize for Innovation in Citizen Science*, Australian Museum Eureka Prizes (2019)
- *National Geographic Explorer* (2007, 2012, 2022)

## **PROFESSIONAL AFFILIATIONS/COMMITTEES**

### Australian Society of Herpetologists Conservation Committee

June 2025- Present

### Member IUCN SSC Australian Species Specialist Group

April 2024- Present

### World Congress of Herpetology Taxonomic Subcommittee

November 2021- Present

### Australian Society of Herpetologists Taxonomic Committee

May 2020- Present

### AmphibiaWeb Steering Committee & Taxonomic Subcommittee

March 2020- Present

### Member, Steering Committee, Australian Amphibians and Reptile Genomics

March 2020- Present

### Board Member, Amphibian Genomics Consortium

May 2023- June 2025

### Co-chair, Conservation & Taxonomy Conservation (frogs), Australian Amphibians and Reptile Genomics

March 2020- Present

### Chair, Mainland Southeast Asia, IUCN Species Survival Commission Amphibian Specialist Group

June 2015- Present

### Regional Coordinator, IUCN Amphibian Red List Authority

December 2012- Present

Overseeing the process of updating, maintaining and curating Southeast Asian amphibian assessments in the IUCN Red List.

### NSW Threatened Species Scientific Committee

July 2017- July 2022

### Co-chair, Mainland Southeast Asia, IUCN Species Survival Commission Amphibian Specialist Group

April 2012- June 2015

### Member, Mainland Southeast Asia, IUCN Species Survival Commission Amphibian Specialist Group

2007-April 2012

### Adjunct Senior Lecturer, University of New South Wales, Sydney, Australia.

August 2013-Present

### Adjunct Lecturer, James Cook University, Townsville, Australia

May 2010- Present

### Associate in Science, Bishop Museum, Honolulu, USA

January 2011- Present

### Member, Society for the Study of Amphibians and Reptiles

2002-Present

### Member, Herpetologists' League

2002-Present

## **EDITORIAL POSITIONS**

### Editor, Zootaxa (Oceanian Frogs)

October 2017-Present

### Editor, Zootaxa (Southeast Asian Frogs)

October 2012-October 2017

### Associate Editor, Herpetological Review

January 2011- July 2014

### Associate Editor, Herpetological Conservation and Biology

October 2012-September 2013

### Editorial Review Board, Amphibian and Reptile Conservation

December 2011-October 2013

### Associate Editor, Taprobanica

December 2010-October 2013

## **CITATION SUMMARY** (Google Scholar 25 Aug 2025).

- **5219 total citations of tracked publications**
- **H-index= 39**
- **i10-index= 94**

## JOURNAL ARTICLES

1. Liu, G. & **Rowley, J.J.L.** (2025). Hybridisation as a Potential Extinction Threat to an Endangered Australian Frog. *Ecology and Evolution*. e71494. [full text](#)
2. Nguyen, L.T., Tapley, B., La, T.V., **Rowley, J.J.L.** (2025). A new species of *Amolops monticola* group (Amphibia: Ranidae) from Hoang Lien Range, northwest Vietnam. *Zootaxa* 5594 (3): 485–508. [full text](#).
3. Purser, W.A., Doughty, P., **Rowley, J.J.L.**, Bohme, W., Donnellan, S., Anstis, M., Mitchell, N., Shea, G.M., Amey, A., Mitchell, B.A., Catullo, R.A. (2025). Systematics of the Little Red Tree Frog, *Litoria rubella* (Anura: Pelodryadidae), with the description of two new species from eastern Australia and arid Western Australia. *Zootaxa*. 5594(2): 269-315. [full text](#).
4. Nguyen, L.T., Tapley, B., Kane, D., Tran, T-D. T., Cui, J., **Rowley, J.J.L.** (2024). A new *Oreolalax* (Anura: Megophryidae) from the Hoang Lien Range, northwest Vietnam. *Zootaxa* 5514 (6): 501-524. [full text](#).
5. Gallagher, R., Roger, E., Packer, J., Slatyer, C., **Rowley, J.**, Cornwell, W., Ens, E., Legge, S., Simpfendorfer, C., Stephens, R., & Mesaglio, T. (2024). Incorporating citizen science into IUCN Red List assessments. *Conservation Biology*, e14329. [full text](#)
6. Gillard, G.L., Flemons, P.K.J., Roslan, N., Woods, A., & **Rowley, J.J.L.** (2024). What's That Frog? Evaluating a Crowdsourced Approach to Species Identification from Audio Recordings. *Citizen Science: Theory and Practice*, 9(1): 19. DOI: <https://doi.org/10.5334/cstp.688> [full text](#)
7. Bickford, D., Wogan, G.O.U., Olson, D.H., Seshadri, K.S., Urban, M.C., Carnaval, A., Measey, J., **Rowley, J.J.L.**, Rovito, S., von May, R., and Susan C. Walls (2024). Climate Change. pp. 52-87 In *Amphibian conservation action plan: A status review and roadmap for global amphibian conservation*. IUCN SSC Amphibian Specialist Group. Wren, S., Borzée, A., Marcec-Greaves, R. & Angulo, A. (Eds.). IUCN SSC Occasional Paper, No 57. Gland, Switzerland: IUCN. [full text](#).
8. Elliott-Tate, J. & **Rowley, J.J.L.** (2024). Unravelling male advertisement call variability in the brown tree frog (*Litoria ewingii*) complex by using citizen science. *Australian Journal of Zoology* 72, ZO23026 <https://doi.org/10.1071/ZO23026>
9. **Rowley, J. J. L.**, Symons, A., Doyle, C., Hall, J., Rose, K., Stapp, L., Lettoof, D. C. (2024). Broad-scale pesticide screening finds anticoagulant rodenticide and legacy pesticides in Australian frogs. [Science of The Total Environment](#). 930: 172526.
10. Parkin, T., **Rowley, J.J.L.**, Gillard, G., Sopniewski, J., Shea, G.M. & Donnellan, S.C. (2024). Systematics and taxonomy of the Northern Banjo Frog (Anura: Limnodynastidae: *Limnodynastes terraereginae*) and allied taxa. *Ichthyology and Herpetology*. 112(1):76-105. [full text](#).
11. Parkin, T., **Rowley, J.J.L.**, Elliot-Tate, J., Mahony, M., Sumner, J., Melville, J. & Donnellan, S.C. (2024). Systematic assessment of the brown tree frog (Anura: Pelodryadidae: *Litoria ewingii*) reveals two endemic species in South Australia. *Zootaxa*.5406 (1): 1–36. [full text](#).
12. Alford, R.A., Richards, S.J., **Rowley, J.J.L.**, McDonald, K.R. (2024) “Amphibians, Biodiversity of,” pp 310-321, In *Encyclopedia of Biodiversity* (Third Edition), Samuel M. Scheiner (Ed), Academic Press, ISBN 9780323984348, <https://doi.org/10.1016/B978-0-12-822562-2.00335-2>.
13. Mitchell, B.A., Gorta, S.B.Z., Callaghan, C.T., Kingsford, R.T., **Rowley, J.J.L.** (2023) Fighting the flames: site-specific effects determine species richness of Australian frogs after fire. *Wildlife Research*. [full text](#).
14. Nachman, M.W., Beckman, E.J., Bowie, R.C.K., Cicero, C., Conroy, C.J., Dudley, R., Hayes, T.B., Koo, M.S., Lacey, E.A., Martin, C.H., McGuire, J.A., Patton, J.L., Spencer, C.L., Tarvin, R.D., Wake, M.H., Wang, I.J., Achmadi, A., Álvarez-Castañeda, S.T., Andersen, M.J., Andrés Arroyave Gutiérrez, J., Austin, C.C., Barker, F.K., Barrow, L.N., Barrowclough, G.F., Bates, J., Bauer, A.M., Bell, K.C., Bell, R.C., Bronson, A.W., Brown, R.M., Burbrink, F.T., Burns, K.J., Cadena, C.D., Cannatella, D.C., Castoe, T.A., Chakrabarty, P., Colella, J.P., Cook, J.A., Cracraft, J.L., Davis, D.R., Davis Rabosky, A.R., D'Elía, G., Dumbacher, J.P., Dunnum, J.L., Edwards, S.V., Esselstyn, J.A., Faivovich, J., Fjeldså, J., Flores-Villela, O.A., Ford, K., Fuchs, J., Fujita, M.K., Good, J.M., Greenbaum, E., Hackett, S., Hamidy, A., Hanken, J., Haryoko, T., Hawkins, M.T.R., Heaney, L.R., Hillis, D.M., Hollingsworth, B.D., Hornsby, A.D., Hosner, P.A., Irham, M., Jansa, S., Jiménez, R.A., Joseph, L., Kirchman, J.J., LaDuc, T.J., Leaché, A.D., Lessa, E.P., López-Fernández, H., Mason, N.A., McCormack, J., McMahan, C.D., Moyle, R.G., Ojeda, R.A., Olson, L.E., Onn, C.K., Parenti, L.R., Parra-Olea, G., Patterson, B.D., Pauly, G.B., Pavan, S.E., Peterson, A.T., Poe, S., Rabosky, D.L., Raxworthy, C.J., Reddy, S., Rico-Guevara, A., Riyanto, A., Rocha, L.A., Ron, S.R., Rovito, S.M., Rowe, K.C., **Rowley, J.J.L.**, Ruane, S., Salazar-Valenzuela, D., Shultz, A.J., Sidlauskas, B., Sikes, D.S., Simmons, N.B., Stiassny, M.L.J., Streicher, J.W., Stuart, B.L., Summers, A.P., Tavera Vargas, J.J., Teta, P., Thompson, C.W., Timm, R.M., Torres-Carvajal, O., Voelker, G., Voss, R.S., Winker, K., Witt, C., Wommack, E.A., Zink, R.M. (2023). Specimen collection is essential for modern science. *PLOS Biology*, 21(11): e3002318. [full text](#).
15. Parkin, T., Donnellan, S.C, Parkin, B., Shea, G.M., **Rowley, J.J.L.** (2023). Phylogeography, hybrid zones and contemporary species boundaries in the south-eastern Australian smooth frogs (Anura: Myobatrachidae: *Geocrinia*). *Molecular Phylogenetics & Evolution*. 189, 2023, 107934. [full text](#)
16. Luedtke, J., Chanson, J., Neam, K., Hobin, L., Maciel, A.O., Catenazzi, A., Borzée, A., Hamidy, A., Aowphol, A., Jean, A., Sosa-Bartuano, A., Fong G. A., de Silva, A., Fouquet, A., Angulo, A., Kidov, A.A., Muñoz Saravia, A., Diesmos, A.C., Tominaga, A., Shrestha, B., Gratwicke, B., Tjaturadi, B., Martínez Rivera, C.C., Vásquez Almazán, C.R., Señaris, C., Chandramouli S.R., Strüssmann, C., Fabiola, C., Fernández, C., Azat, C., Hoskin, C.J., Hilton-Taylor, C., Whyte, D.L., Gower, D.J., Olson, D.H., Cisneros-Heredia, D.F., José Santana, D., Nagombi, E., Najafi-Majd, E., Quah, E.S.H., Bolaños, F., Xie, F., Brusquetti, F., Álvarez, F.S., Andreone, F., Glaw, F., Enrique Castañeda, F., Kraus, F.,

- Parra-Olea, G., Chaves, G., Medina-Rangel, G.F., González-Durán, G., Mauricio Ortega-Andrade, H., Machado, I.F., Das, I., Dias, I.R., Nicolas Urbina-Cardona, J., Crnobrnjalsailović, J., Yang, J.H., Jianping, J., Tshelthrim Wangyal, J., Rowley, J.J.L., Measey, J., Vasudevan, K., Onn Chan, Vasudeva Gururaja, K., Ovaska, K., Warr, L.C., Canseco-Márquez, L., Felipe Toledo, L., Díaz, L.M., Khan, M.H., Meegaskumbura, M., Acevedo, M.E., Felgueiras Napoli, M., Ponce, M.A., Vaira, M., Lampo, M., Yáñez-Muñoz, M. H., Scherz, M.D., Rödel, M.O., Matsui, M., Fildor, M., Kusrini, M.D., Ahmed, M.F., Rais, M., Kouamé, N.G., García, N., Gonwouo, N.L., Burrowes, P.A., Imbun, P.Y., Wagner, Kok, P.J.R., Joglar, R.L., Auguste, R.J., Albuquerque Brandão, R., Ibáñez, R., von May, R., Hedges, S.B., Biju, S.D., Ganesh, S.R., Wren, S., Das, S., Flechas, S.V., Ashpole, S.L., Robleto-Hernández, S.J., Loader, S.P., Incháustegui, S.J., Garg, S., Phimmachak, S., Richards, S.J., Slimani, T., Osborne-Naikatini, T., Abreu-Jardim, T.P.F., Condez, T.H., De Carvalho, T.R., Cutajar, T.P., Pierson, T.W., Nguyen, T.Q., Kaya, U., Yuan, Z., Long, B., Langhammer, P., Stuart, S.N. (2023). Ongoing declines for the world's amphibians in the face of emerging threats. *Nature*. 622(7982), 308-314 [full text](#)
17. Donnellan, S., Catullo, R., **Rowley, J.J.L.**, Doughty, P., Price, L., Hines, H.B., Richards, S.J. (2023). Revision of *Litoria rothii* (Anura: Pelodryadidae) from northern Australia. *Zootaxa*. 5352, 73–108. [abstract](#).
  18. Tapley, B., **Rowley, J.J.L.**, Portway, C., Michaels, C.J., Nguyen, L.T., Shea, G.M. (2023). Preliminary data on size and age of *Oreolalax sterlingae* (Nguyen et al., 2013). *Herpetology Notes*. 16, 643-650. [full text](#).
  19. Scheele, B.C., Heard, G.W., Cardillo, M., Duncan, R.P., Gillespie, G.R., Hoskin, C.J., Mahony, M., Newell, D., **Rowley, J.J.L.**, and Sopniewski, J. (2023). An invasive pathogen drives directional niche contractions in amphibians. *Nature Ecology and Evolution*. [full text](#)
  20. **Rowley, J.J.L.** & Callaghan, C.T. (2023). Tracking the spread of the eastern dwarf tree frog (*Litoria fallax*) in Australia using citizen science. *Australian Journal of Zoology*. 70(6) 204-221. [full text](#).
  21. Gillard, G.L. & **Rowley, J.J.L.** (2023). Assessment of the acoustic adaptation hypothesis in frogs using large-scale citizen science data. *Journal of Zoology*. 320, 271-281. <https://doi.org/10.1111/jzo.13088>
  22. Ensby, M., Legge, S., Jolly, C.J., Garnett, S.T., Gallagher, R.V., Lintermans, M., Nimmo, D.G., Rumpff, L., Scheele, B.C., Whiterod, N.S., Woinarski, J.C.Z., Ahyong, S.T., Blackmore, C.J., Bower, D.S., Burbidge, A.H., Burns, P.A., Butler, G., Catullo, R., Chapple, D.G., Dickman, C.R., Doyle, C.E., Ferris, J., Fisher, D.O., Geyle, H.M., Gillespie, G.R.G., Greenlees, M.J., Hohnen, R., Hoskin, C.J., Kennard, M., King, A.J., Kuchinke, D., Law, B., Lawler, I., Lawler, S., Loyn, R., Lunney, D., Lyon, J., MacHunter, J., Mahony, M., Mahony, S., McCormack, R., Melville, J., Menkhorst, P., Michael, D., Mitchell, N., Mulder, E., Newell, D., Pearce, L., Raadik, T.A., **Rowley, J.J.L.**, Sitters, H., Southwell, D.G., Spencer, R., West, M., & Zukowski, S. (2023). Animal population decline and recovery after severe fire: Relating ecological and life history traits with expert estimates of population impacts from the Australian 2019-20 megafires. *Biological Conservation*, 283, 110021. [full text](#)
  23. Callaghan, C.T., Thompson, M., Woods, A., Poore, A.G.B., Bowler, D.E., Samonte, F., **Rowley, J.J.L.**, Roslan, N., Kingsford, R.T., Cornwell, W.K., Major, R.E. (2023). Experimental evidence that behavioral nudges in citizen science projects can improve biodiversity data, *BioScience*, 73 (4) 302–313. [full text](#).
  24. Beranek, C.T., Hamer, A.J., Mahony, S.V., Stauber, A., Ryan, S.A., Gould, J., Wallace, S., Stock, S., Kelly, O., Parkin, T., Weigner, R., Daly, R., Callen, A., **Rowley, J.J.L.**, Klop-Toker, K., Mahony, M. (2023). Severe wildfires promoted by climate change negatively impact forest amphibian metacommunities. *Diversity and Distributions*. [full text](#).
  25. Thompson, M.M., Moon, K., Woods, A., **Rowley, J.J.L.**, Poore, A.G., Kingsford, R.T. and Callaghan, C.T. (2023). Citizen science participant motivations and behaviour: Implications for biodiversity data coverage. *Biological Conservation*, 282, 110079. [full text](#).
  26. Nguyen, L.T., **Rowley, J.J.L.**, La, T.V., and Tapley, B. (2023). Notes on oviposition sites and a significant range extension for Botsford's Leaf-litter Frog (*Leptobrachella botsfordi*). *Herpetology Notes*, 16: 103-109. Abstract. [full text](#)
  27. Mahony, M.J., Hines, H.B., Lemckert, F., Newell, D., Roberts, J.D., **Rowley, J.J.L.**, Scheele B.C., and West, M. (2023). The impacts of the 2019–20 wildfires on Australian frogs. pp 167-181 In van Leeuwen, S., Wintle, B.A., Woinarski, J.C., Rumpff, L. and Legge, S.M. (eds). *Australia's Megafires: Biodiversity Impacts and Lessons from 2019-2020*. CSIRO Publishing. [Link](#)
  28. Thompson, M.M., Poore, A.G.B., **Rowley, J.J.L.**, & Callaghan, C.T. (2022) Citizen Science reveals meteorological determinants of frog calling at a continental scale. *Diversity and Distributions*. DOI: [10.1111/ddi.13634](https://doi.org/10.1111/ddi.13634)
  29. Cutajar, T., **Rowley, J. J. L.** (2022). The utility of acoustic citizen science data in understanding geographic distributions of morphologically conserved species: frogs in the *Litoria phyllochroa* species group. *Journal of Herpetology*. 56 (3): 318–323. [full text](#).
  30. Liu, G., Kingsford, R. T., Callaghan, C. T., & **Rowley, J. J. L.** (2022) Anthropogenic habitat modification alters calling phenology of frogs. *Global Change Biology*. [full text](#)
  31. Mahony, S. M., Cutajar, T., **Rowley, J. J. L.** (2022). A new species of *Delma* Gray 1831 (Squamata: Pygopodidae) from the Hunter Valley and Liverpool Plains of New South Wales. *Zootaxa*, DOI: [10.11646/ZOOTAXA.5162.5.5](https://doi.org/10.11646/ZOOTAXA.5162.5.5).
  32. Cutajar, T.P., Portway, C.D., Gillard, G.L. and **Rowley, J.J.L.** (2022). Australian Frog Atlas: species' distribution maps informed by the FrogID dataset. *Technical Reports of the Australian Museum, Online* 36: 1–48. [full text](#)
  33. Legge, S., Rumpff, L., Woinarski, J.C.Z., Whiterod, N.S., Ward, M., Southwell, D.G., Scheele, B.C., Nimmo, D.G., Lintermans, M., Geyle, H.M., Garnett, S.T., Hayward-Brown, B., Ensby, M., Ehmke, G., Ahyong, S.T., Blackmore, C.J., Bower, D.S., Brizuela-Torres, D., Burbidge, A.H., Burns, P.A., Butler, G., Catullo, R., Chapple, D.G., Dickman, C.R., Doyle, K.E., Ferris, J., Fisher, D., Gallagher, R., Gillespie, G.R., Greenlees, M.J., Hohnen, R., Hoskin, C.J., Hunter, D., Jolly, C., Kennard, M., King, A., Kuchinke, D., Law, B., Lawler, I., Lawler, S., Loyn, R., Lunney, D., Lyon, J., MacHunter, J., Mahony, M., Mahony, S., McCormack, R.B., Melville, J., Menkhorst, P., Michael, D., Mitchell, N.,

- Mulder, E., Newell, D., Pearce, L., Raadik, T.A., **Rowley, J.J.L.**, Sitters, H., Spencer, R., Valavi, R., West, M., Wilkinson, D.P., and Zukowski, S. (2022). The conservation impacts of ecological disturbance: Time-bound estimates of population loss and recovery for fauna affected by the 2019–2020 Australian megafires. *Global Ecology and Biogeography*. Early View. [full text](#).
34. **Rowley, J.J.L.**, Mahony, M.J., Hines, H.B., Myers, S., Price, L.C., Shea, G.M. & Donnellan, S.C. (2021). Two new frog species from the *Litoria rubella* species group from eastern Australia. *Zootaxa* 507(1), 1-41. [full text](#).
35. Zhang, Y., **Rowley, J.J.L.**, Liu, X., Nguyen, T.T., Nguyen, H.Q., Tapley, B., Nguyen, L.T., Yamg, Y., Cutajar, T., Zhang, Y., & Yuan, Z. (2021). *Amolops caelumnoctis* Rao & Wilkinson, 2007, a Junior Synonym of *A. splendissimus* Orlov & Ho, 2007 (Amphibia: Anura: Ranidae). *Zootaxa*. 5057 (2): 181–200. [abstract](#).
36. Nguyen, L.T., Tapley, B., Nguyen, C.T., Luong, H.V. & **Rowley, J.J.L.** (2021) A new species of *Leptobrachella* (Anura, Megophryidae) from Mount Pu Ta Leng, northwest Vietnam. *Zootaxa*. 5016: 301–332. [abstract](#)
37. Crawford-Ash, J., & **Rowley, J. J. L.** (2021). Photo identification of individual Blue Mountains Tree Frogs (*Litoria citropa*). *Herpetology Notes*. 14: 803-808. [full text](#).
38. Rivera-Correa, M., Baldo, D., Candioti, F.V., Orrico, V.G.D., Blackburn, D.C., Castroviejo-Fisher, A., Chan, K.O., Gambale, P.G., Gower, D.J., Quah, E.S.H., **Rowley, J.J.L.**, Twomey, E., & Vences, M. (2021). Amphibians in Zootaxa: 20 years documenting the global diversity of frogs, salamanders, and caecilians. *Zootaxa* 4979: 57–69. [full text](#).
39. Callaghan, C.T., Liu, G., Mitchell, B.A., Poore, A.G.B., & **Rowley, J.J.L.** (2021) Urbanization negatively impacts frog diversity at continental, regional, and local scales. *Basic and Applied Ecology*, 54: 64-74. [full text](#).
40. Liu, G., **Rowley, J.J.L.**, Kingsford, R.T. & Callaghan C.T. (2021). Species' traits drive amphibian tolerance to anthropogenic habitat modification. *Global Change Biology* 2021:1–13. [abstract](#)
41. Tapley, B., Cutajar, T., Nguyen. L.T., Portway, C., Mahony, S., Nguyen, C.T., Harding, L., Luong, H.V., **Rowley, J.J.L.** (2021). A new potentially Endangered species of Megophrys from Mount Ky Quan San, northwest Vietnam. *Journal of Natural History*. 54: 2543-2575. [full text](#).
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131. **Rowley, J. J. L.**, & Alford, R. A. (2009) Movement and habitat use of the endangered Australian frog *Nyctimystes dayi*. *Herpetological Review*. 40: 29-32.
132. Alemu, J. B. II. & **Rowley, J. J. L.** (2008) *Siphlophis compressus* (Red-eyed Liana Snake). Cannibalism. *Herpetological Review*. 39: 472-473
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135. **Rowley, J. J. L.**, Emmett, D. A., Voen, S. (2008). Harvest, trade and conservation of the Asian Arowana *Scleropages formosus* in Cambodia. *Aquatic Conservation*.18: 1255-1262.

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 ○ First systematic survey for amphibian disease in Asia, featured in *Current Research section of Herpetological Review*. 39: 131.
137. **Rowley, J. J. L.**, & Alford, R. A. (2007) Behaviour of Australian rain forest stream frogs may affect the transmission of chytridiomycosis. *Diseases of Aquatic Organisms* 77: 1-9.
138. **Rowley, J. J. L.**, & Alford, R. A. (2007) Movement patterns and habitat use of rainforest stream frogs in northern Queensland, Australia: implications for extinction vulnerability. *Wildlife Research* 34: 371-378.
139. **Rowley, J. J. L.**, & Alford, R. A. (2007) Techniques for tracking amphibians: Harmonic radar versus radio telemetry, and the effects of tag attachment. *Amphibia-Reptilia* 28: 367-376.
140. **Rowley, J. J. L.**, (2007) Observations of physical interactions between conspecific male rain forest stream frogs *Litoria genimaculata* and *Nyctimystes dayi* (Anura: Hylidae). *Herpetofauna* 37: 11-15.
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144. Trembath, D. F., Blackburn, J. L. III, **Rowley, J. J. L.** (2007). Roadkill predation by the childrens python *Antaresia childreni* (Serpentes: Boidae) at Adelaide River, Northern Territory. *Northern Territory Naturalist* 19: 58-59.
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150. **Rowley, J.J.L.**, Atwood, T. F., & Trembath, D. (2006) Observations of the short-term movement, microhabitat and temperature of a free-ranging keelback, *Tropidonophis mairii* (Serpentes: Colubridae) in a tropical rainforest stream. *Herpetofauna* 36(1) 57-60.
151. **Rowley, J. J. L.**, Alford, R. A. & Skerratt, L. F. (2006) The amphibian chytrid *Batrachochytrium dendrobatidis* occurs on freshwater shrimp in rain forest streams in northern Queensland, Australia. *EcoHealth* 3(1) 53-56
152. Trembath, D. & **Rowley, J. J. L.** (2005) An observation of the foraging behaviour of the black whip snake *Demansiavestigiata* (Serpentes: Elapidae): successful predation of a frog *Limnodynastes ornatus* (Anura:Myobatrachidae) buried underground. *Herpetofauna* 35(2) 114-115.
153. Bulbert, M., **Rowley, J. J. L.**, & Miehs, A. (2005) Observed agonistic behaviour between male giant banjo frogs *Limnodynastes interioris*. *Herpetofauna* 35(2) 78-82.
154. **Rowley, J. J.L.**, Bulbert, M. & Miehs, A. (2005) Observations of calling and breeding frogs in central western New South Wales. *Herpetofauna* 35(1) 25-29.
155. **Rowley, J. J. L.**, Rayner, T. S. & Pyke, G. H. (2005) New records and invasive potential of the poeciliid fish *Phalloceros caudimaculatus*. *New Zealand Journal of Marine and Freshwater Research* 39(5) 1013-1022.

## BOOKS

1. Heatwole, H. & **Rowley, J. J. L.** Eds. (2018). *Status of Conservation and Decline of Amphibians: Australia, New Zealand and Pacific Islands*. CSIRO Publishing, Clayton South, Australia. 231 pp.

## SCIENTIFIC BOOK SECTIONS

1. Mahony, M.J., Hines, H.B., Lemckert, F., Newell, D., Roberts, J.D., **Rowley, J.J.L.**, Scheele B.C., and West, M. (2023). The impacts of the 2019-20 wildfires on Australian frogs. pp 167-181 In van Leeuwen, S., Wintle, B.A., Woinarski, J.C., Rumpff, L. and Legge, S.M. (eds). *Australia's Megafires: Biodiversity Impacts and Lessons from 2019-2020*. CSIRO Publishing.
2. Heatwole, H. & **Rowley, J.J.L.** (2018). Introduction. pp. 1-4 In Heatwole, H. & Rowley, J. J. L. Eds. (2018). *Status of Conservation and Decline of Amphibians: Australia, New Zealand and Pacific Islands*. CSIRO Publishing, Clayton South, Australia.
3. Alford, R.A. & **Rowley, J.J.L.** (2018). Status of decline and conservation of frogs in the Wet Tropics of Australia. pp. 15-28 In Heatwole, H. & Rowley, J. J. L. Eds. (2018). *Status of Conservation and Decline of Amphibians: Australia, New Zealand and Pacific Islands*. CSIRO Publishing, Clayton South, Australia.

4. **Rowley, J. J. L.** & Stuart, B.L. (2014). Amphibian conservation in Vietnam, Laos and Cambodia. In: Heatwole H, Das I, editors. *Conservation Biology of Amphibians of Asia: Status of Conservation and Decline of Amphibians in Eastern Hemisphere*. pp 264–280.
5. Gleason, F.H., **Rowley, J. J. L.**, Jessop, C.N., & Lilje, O. (2014). Zoosporic parasites of amphibians. In: Hyde, K.D., Jones, E.B.G. & Pang, K.L. *Freshwater Fungi and Fungal-Like Organisms*. pp 245-262.
6. **Rowley, J. J. L.** & Alford, R. A. (2010). Models in Field Studies of Temperature and Moisture. Chapter 21. pp 387-406 In Dodd, C. K., ed., *Amphibian Ecology and Conservation*. Oxford University Press, New York.
7. **Rowley, J. J. L.** & Alford, R. A. (2009). Factors affecting interspecific variation in susceptibility to disease in amphibians. Pp. 3053-3066 In Heatwole, H., ed., *Amphibian Biology, Volume 8. Conservation and Ecology*. Surrey Beatty and Sons, Chipping Norton, Australia.
8. Alford, R. A., & **Rowley, J. J. L.** (2008). The history of amphibian declines in Australia. Pp. 72. In S. N. Stuart , M. Hoffmann, J. S. Chanson , N. A. Cox , R.J. Berridge , P. Ramani , B. E. Young (eds). *Threatened Amphibians of the World*. Lynx Edicions, with IUCN - The World Conservation Union, Conservation International and NatureServe, Barcelona.
9. Puschendorf, R., **Rowley, J. J. L.**, & Alford, R .A. (2008). Climate change and amphibian declines. Pp. 50. In S. N. Stuart, M. Hoffmann, J.S. Chanson, N.A. Cox , R.J. Berridge , P. Ramani , B.E. Young (eds). *Threatened Amphibians of the World*. Lynx Edicions, with IUCN - The World Conservation Union, Conservation International and NatureServe, Barcelona.

## POPULAR BOOK SECTIONS

1. Rowley, J.J.L. (2024). Chapter 6. Finding the frog that sings like a bird. In Crump, M. L. (Ed.). (2024). Lost Frogs and Hot Snakes: Herpetologists' Tales from the Field. Cornell University Press.
2. Rowley, J.J.L. (2024). Chapter 17. Finding frogs in the most unexpected of places. In Waudby, H. P. (Ed.). (2024). Wild Science. Unexpected Encounters When Working in Nature. CSIRO Publishing.

## TECHNICAL REPORTS

1. **Rowley, J. J. L.** (2012). Amphibians: conservation trends and issues. pp. 157 In Allen, D.J., Smith, K.G., and Darwall, W.R.T. (Compilers). *The Status and Distribution of Freshwater Biodiversity in Indo-Burma*. Cambridge, UK and Gland, Switzerland: IUCN.
2. Speare R, Berger L, Skerratt LF, Alford R, Mendez D, Cashins S, Kenyon N, Hauselberger K, **Rowley J.** (2004) Hygiene protocol for handling amphibians in field studies. Online document: <http://www.jcu.edu.au/school/phtm/PHTM/frogs/field-hygiene.doc>

## ACTION PLANS

1. Tapley, B., **Rowley, J.J.L.**, Nguyen, T.C. & Luong. V.H. (2017) An action plan for amphibians of the Hoang Lien Range 2017-21.

## SELECT GRANTS AND OTHER FUNDING Total ~AU\$10.76 million (AU\$4.35 million as lead)

### 2025-2028. Australian Research Council Discovery Project. AU\$602,667

Assessing recovery in threatened Australian amphibians and reptiles. Co-PI. Administered by Monash University.

### 2024-2027. Innovative Biodiversity Monitoring Grant Funding. Department of Climate Change, Energy, the Environment and Water. AU\$877,273

### 2024-2027. Innovative Biodiversity Monitoring Grant Funding. Department of Climate Change, Energy, the Environment and Water. AU\$812,772

### 2022-2023. National Geographic Society. US\$13,756

Understanding the impact of a widespread mass mortality event of Australian frogs: an emergency response.

### 2022. Department of Agriculture, Water and the Environment. AU\$74,876.20

Understanding the likely cause of recent amphibian Mass Mortality events.

### 2020-2021. Wildlife and Habitat Bushfire Recovery Program. AU\$723,811

Building capacity for resilience & recovery of threatened ecological communities. P.I. Mark Ooi, UNSW Sydney.

### 2020-2021. Wildlife and Habitat Bushfire Recovery Program. AU\$751,982

Securing threatened frogs from bushfire impact. P.I. Michael Mahony, University of Newcastle.

### 2020-2023. Australian Biological Resources Study. AU\$180,000

Australia's unknown frog diversity revealed by citizen scientists: targeted species discovery using FrogID bioacoustic data and integrative taxonomy.

### 2019-2021. NSW Environmental Trust. AU\$166,996

Optimising biodiversity sampling by citizen scientists. P.I. Corey Callaghan (UNSW).

## SELECTED PRESENTATIONS

1. **Rowley, J.J.L.** (2024). The Power of Community Engagement in Frog Conservation. **World Congress of Herpetology. Kuching, Borneo.** 5-9 August 2024.
2. **Rowley, J.J.L.** (2021). People power in frog conservation and invasive species detection. Increasing understanding of alien species through citizen science. **Horizon scanning novel technologies for IAS citizen science.** March 25, 2021.

3. **Rowley, J.J.L.** (2021). The impact of Australia's 2019-2020 bushfires on amphibians and reptiles: people power to the rescue? \*Overseas Keynote (Virtual). **18<sup>th</sup> Society for Research on Amphibians and Reptiles in New Zealand, Alexandra, Wellington, & Auckland, New Zealand & Virtual.** 18-21 February 2021.
4. **Rowley, J.J.L.** (2020). Adventures in amphibian conservation: from scientific expeditions to citizen science. \*Keynote Presentation. **9<sup>th</sup> World Congress of Herpetology, Dunedin, New Zealand.** 5-10 January 2020.
5. **Rowley, J.J.L.**, Anstis, M., Cutajar, T. The mystery of the Peppered Tree Frog: extinct, one of Australia's most threatened frogs, or not even a valid species? **Australian Society of Herpetologists, Fairbridge, WA, Australia.** 20-23 June 2017.
6. **Rowley, J. J. L.**, Tran, D.T.A., Frankham, G. F., Dekker, A.H., Hoang, H.D. Little brown frogs that sound like crickets: gone before we even know they exist? **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, USA.** 6-10 July 2016.
7. **Rowley, J. J. L.**, Tran, D.T.A., Frankham, G. J., Le, D. T.T., & Hoang, D.H. Confusing small brown frogs from Vietnam: morphology, molecules and acoustics. **Australian Society of Herpetologists, Canberra.** 31 February 2014.
8. **Rowley, J. J. L.**, Ng, C. K-y., Le, D. T. T., Chan, S. K-f, Hoang, H.D. Amphibian population declines in Southeast Asia? **Australian Society of Herpetologists, Newcastle , Australia.** 30 January 2013.
9. **Rowley, J. J. L.** Amphibians: South-east Asia's Environmental Bellweather. Royal Geographical Society, Hong Kong. 1 November 2012.
10. **Rowley, J. J. L.**, Ng, C. K-y., Le, D. T. T., Kusrini, M., Chan, S. K-f., Hoang, H.D. Stream amphibian population declines in Southeast Asia? *Invited speaker.* **7<sup>th</sup> World Congress of Herpetology, Vancouver, Canada.** 8-14 August, 2012.
11. **Rowley, J. J. L.**, Kusrini, M., Vredenburg, V., et al. Is chytridiomycosis an emerging disease in Asia? **Association of Tropical Biology and Conservation, Bali, Indonesia.** 19-23 July 2010.
12. **Rowley, J. J. L.**, Bain, R., Brown, R., Chan-ard, T., Cao, T.T., Diesmos, A., Inger, R., Iskandar, D., Kusrini, M., Lau, M., Ming, L.Z., Makchai, S., Neang, T., Nguyen, Q.T., Phimmachak, S., Stuart, B.L., & Wogan, G. A Conservation Strategy for the Amphibians of Southeast Asia. **6<sup>th</sup> World Congress of Herpetology, Manaus, Brazil.** 17-22 August 2008.

## MEETINGS ORGANISED

- **A Conservation Strategy for the Amphibians of Southeast Asia. Phnom Penh, Cambodia.** 29-30 April 2008. 17 specialists representing Cambodia, Laos, Indonesia, Malaysia, Myanmar, the Philippines, Singapore, Thailand, Vietnam and southern China.

## CONFERENCE SYMPOSIA ORGANISED

- Amphibian population declines in tropical Asia and Australia: differences, similarities and lessons learned. **Association of Tropical Biology and Conservation. Bali, Indonesia.** 21 July, 2010.

## INVITED WORKSHOP PARTICIPATION

- **Amphibian Conservation Needs Assessment Workshop** (Vietnam, Laos and Cambodia). Amphibian Ark (World Association of Zoos and Aquariums, IUCN SSC Conservation Breeding Specialist Group & IUCN SSC Amphibian Survival Alliance). **Hanoi, Vietnam.** 26-30th March, 2012.

## REVIEWER

**Journals:** *Acta Herpetologica, Amphibia-Reptilia, Biological Conservation, Biological Journal of the Linnean Society, Biotropica, the Cambodian Journal of Natural History, Copeia, Current Herpetology, Diseases of Aquatic Organisms, Diversity and Distributions, EcoHealth, Ecosphere, Fungal Ecology, Herpetofauna, Herpetologica, Herpetological Conservation and Biology, Herpetological Review, Herpetology Notes, International Zoo Yearbook, Journal of Ethology, Journal of Herpetology, Journal of Wildlife Diseases, Organisms Diversity & Evolution, Phylomedusa, PLoS ONE, Songkla Journal of Science and Technology, Taprobanica, Zootaxa.*

**Grant applications:** Australian Research Council (ARC) Discovery Program and Discovery Early Career Researcher Award (DECRA), The Australian Biological Resources Study (ABRS) National Taxonomy Research Grant Program (NTRGP), John D. and Catherine T. MacArthur Foundation, National Geographic Society, Conservation Leadership Programme, The Herpetologists' League E.E. Williams Research Award.

## STUDENTS

### Current

**Samantha Ordóñez Flores (PhD). UNSW, Sydney, Australia. Co-supervisor: Will Cornwell, UNSW.**

- Listen up: Frogs calls a tool for research and conservation

**Elijah Bieri (PhD). UNSW, Sydney, Australia. Co-supervisor: Mark Ooi, UNSW. Fulbright Scholar.**

- Frogs, Fires, & Fungus: Interacting Threats to Biodiversity in a Changing World.

**Timothy Cutajar (PhD). UNSW, Sydney, Australia. Co-supervisor: Alistair Poore, UNSW.**

- Can bugs do it better? Determining the utility of invertebrate-derived DNA for species detectability in imperilled amphibian communities and improving survey design

**Fraser Young (Honours). UNSW, Sydney, Australia.**

- *How many frogs? Exploring species density and abundance across Australia using citizen science.*

### Completed

#### Australia

- 3 completed PhD, primary supervisor (UNSW Sydney).
- 2 completed PhD secondary supervisor (UNSW Sydney).
- 1 completed PhD, secondary supervisor (Southern Cross University).
- 1 completed PhD, secondary supervisor (University of New England).
- 6 completed Honours students, supervisor (UNSW Sydney).
- 1 completed Applied Honours students, supervisor (Sydney University).
- 1 completed Honours students, supervisor (Sydney University).
- 1 completed Honours student, secondary supervisor (Griffith University).
- 1 completed undergraduate research project, joint supervisor (UNSW Sydney).
- 1 completed undergraduate research project, joint supervisor (Sydney University).
- 1 completed Masters student, secondary supervisor (James Cook University).

#### UK

- 1 completed PhD secondary supervisor (University of Kent).

#### Vietnam

- 1 completed PhD, primary supervisor (University of Natural Science Ho Chi Minh City).
- 1 completed PhD, secondary supervisor (Vinh University, Vietnam).
- 1 completed Masters, primary supervisor (University of Natural Science Ho Chi Minh City).
- 1 completed Masters, primary supervisor (Vinh University).

#### Malaysia

- 1 completed Masters student, secondary supervisor (Universiti Malaysia Sabah).

#### Cambodia

- 1 completed Masters student, primary supervisor (Royal University of Phnom Penh).

### MEDIA

- Extensive experience in print, radio and television media- see <http://jodirowley.com/media/>
- Strong social media skills, >11.7k Twitter followers, >2.8k Instagram followers

### Training

Media and communication training for scientists, Science in Public. Sydney, January 2011.

National Geographic Society Sciencetelling Bootcamp, Hong Kong, May 2019.