

## 2019 Journal Publications

### July

Adelizzi, R. Portmann, J. van Meter, R. (2019). **Effect of Individual and Combined Treatments of Pesticide, Fertilizer, and Salt on Growth and Corticosterone Levels of Larval Southern Leopard Frogs (*Lithobates sphenocephala*)**. *Archives of Environmental Contamination and Toxicology*, 77(1), pp.29-39.

<https://www.ncbi.nlm.nih.gov/pubmed/31020372>

Albecker, M. A. McCoy, M. W. (2019). **Local adaptation for enhanced salt tolerance reduces non-adaptive plasticity caused by osmotic stress**. *Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/evo.13798>

Alvarez, M. D. V. Fernandez, C. Cove, M. V. (2019). **Assessing the role of habitat and species interactions in the population decline and detection bias of Neotropical leaf litter frogs in and around La Selva Biological Station, Costa Rica**. *Neotropical Biology and Conservation* 14(2), pp.143–156, e37526.

<https://neotropical.pensoft.net/article/37526/list/11/>

Amat, F. Rivera, X. Romano, A. Sotgiu, G. (2019). **Sexual dimorphism in the endemic Sardinian cave salamander (*Atylodes genei*)**. *Folia Zoologica*, 68(2), p.61-65.

<https://bioone.org/journals/Folia-Zoologica/volume-68/issue-2/fozo.047.2019/Sexual-dimorphism-in-the-endemic-Sardinian-cave-salamander-Atylodes-genei/10.25225/fozo.047.2019.short>

Amézquita, A. Suárez, G. Palacios-Rodríguez, P. Beltrán, I. Rodríguez, C. Barrientos, L. S. Daza, J. M. Mazariegos, L. (2019). **A new species of Pristimantis (Anura: Craugastoridae) from the cloud forests of Colombian western Andes**. *Zootaxa*, 4648(3).

<https://www.biota.org/Zootaxa/article/view/zootaxa.4648.3.8>

Arrivillaga, C. Oakley, J. Ebiner, S. (2019). **Predation of *Scinax ruber* (Anura: Hylidae) tadpoles by a fishing spider of the genus *Thaumasia* (Araneae: Pisauridae) in south-east Peru**. *The Herpetological Bulletin* 148, pp.41-42.

[https://www.researchgate.net/profile/Cristina\\_Arrivillaga3/publication/334151292\\_Predation\\_of\\_Scinax\\_ruber\\_Anura\\_Hylidae\\_tadpoles\\_by\\_a\\_fishing\\_spider\\_of\\_the\\_genus\\_Thaumasia\\_Araneae\\_Pisauridae\\_in\\_south-east\\_Peru/links/5d1a5f84a6fdcc2462b72820/Predation-of-Scinax-ruber-Anura-Hylidae-tadpoles-by-a-fishing-spider-of-the-genus-Thaumasia-Araneae-Pisauridae-in-south-east-Peru.pdf](https://www.researchgate.net/profile/Cristina_Arrivillaga3/publication/334151292_Predation_of_Scinax_ruber_Anura_Hylidae_tadpoles_by_a_fishing_spider_of_the_genus_Thaumasia_Araneae_Pisauridae_in_south-east_Peru/links/5d1a5f84a6fdcc2462b72820/Predation-of-Scinax-ruber-Anura-Hylidae-tadpoles-by-a-fishing-spider-of-the-genus-Thaumasia-Araneae-Pisauridae-in-south-east-Peru.pdf)

[Hylidae-tadpoles-by-a-fishing-spider-of-the-genus-Thaumasia-Araneae-Pisauridae-in-south-east-Peru.pdf](#)

Ashrafzadeh, M. R. Asghar, Naghipour, A. A. Haidarian, M. Kusza, S. Pillio, D. S. (2019). **Effects of climate change on habitat and connectivity for populations of a vulnerable, endemic salamander in Iran.** *Global Ecology and Conservation*, 19, e00637.

<https://www.sciencedirect.com/science/article/pii/S2351989418304529>

Báez, A. M. Gomez, R. O. (2019). **Redescription of the overlooked basal frog Wealdenbatrachus reveals increased diversity among Early Cretaceous anurans.** *Cretaceous Research*, 99, pp.14-29.

<https://www.sciencedirect.com/science/article/pii/S0195667118304099>

Baker, B. Meyer, D. Llaniguez, J. Rafique, S. Cotroneo, T. M. Hish, G. Baker, T. R. (2019). **Management of Multiple Protozoan Ectoparasites in a Research Colony of Axolotls (*Ambystoma mexicanum*).** *Journal of the American Association for Laboratory Animal Science*, 58(4), pp.479-484.

<https://www.ingentaconnect.com/content/aalas/ja alas/2019/00000058/00000004/art00010;jsessionid=1go2we1qk9816.x-ic-live-01>

Banach, M. Edholm, E-S. Gonzalez, X. Benraiss, A. Robert, J. (2019). **Impacts of the MHC class I-like XNC10 and innate-like T cells on tumor tolerance and rejection in the amphibian Xenopus.** *Carcinogenesis*, 40(7), pp.924-935.

<https://www.ncbi.nlm.nih.gov/pubmed/31155639>

Bates, K. A. Shelton, J. M. Mercier, V. L. Hopkins, K. P. Harrison, X. A. Petrovan, S. O. Fisher, M. C. (2019). **Captivity and infection by the fungal pathogen Batrachochytrium salamandrivorans perturb the amphibian skin microbiome.** *Frontiers in Microbiology*, Online.

<https://www.frontiersin.org/articles/10.3389/fmicb.2019.01834/abstract>

Beltrán, I. Ramírez-Castañeda, V. Rodríguez-López, C. Lasso, E. Amézquita, A. (2019). **Dealing with hot rocky environments: Critical thermal maxima and locomotor performance in Leptodactylus lithonaetes (Anura: Leptodactylidae).** *The Herpetological Journal*, 29(3), pp. 155-161.

[https://www.researchgate.net/publication/334152095\\_Dealing\\_with\\_hot\\_rocky\\_environments\\_Critical\\_thermal\\_maxima\\_and\\_locomotor\\_performance\\_in\\_Leptodactylus\\_lithonaetes\\_Anura\\_Leptodactylidae](https://www.researchgate.net/publication/334152095_Dealing_with_hot_rocky_environments_Critical_thermal_maxima_and_locomotor_performance_in_Leptodactylus_lithonaetes_Anura_Leptodactylidae)

Blackburn, D. G. (2019). **The oviparous olm: Analysis & refutation of claims for viviparity in the cave salamander Proteus anguinus (Amphibia: Proteidae).** *Zoologischer Anzeiger*, 281, pp.16-23.

<https://www.sciencedirect.com/science/article/pii/S0044523119300555>

Blanchard, C. Boué-Grabot, E. Massé, K. (2019). **Comparative Embryonic Spatio-Temporal Expression Profile Map of the Xenopus P2X Receptor Family.** *Frontiers in Cellular Neuroscience*, Online.

<https://www.frontiersin.org/articles/10.3389/fncel.2019.00340/full>

Brannelly, L. A. Ohmer, M. E. B. Saenz, V. Richards-Zawacki, C. L. (2019). **Effects of hydroperiod on growth, development, survival, and immune defenses in a temperate amphibian.** *Functional Ecology*, Accepted Article.

<https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2435.13419>

Brito, P. Targueta, C. P. Arruda, W. Santos, F. Bastos, R. (2019). **The sexual dimorphic inguinal glands of the frog species Oolygon centralis (Anura: Hylidae) at light and transmission electron microscopy.** *Zoologia*, 36: e29356 ISSN 1984-4689 (online).

[http://www.scielo.br/scielo.php?script=sci\\_arttext&pid=S1984-46702019000100317](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1984-46702019000100317)

Browne, R. K. Silla, A. J. Upton, R. Della-Togna, G. Marcec-Greaves, R. Shishova, N. V. Uteshev, V. K. Proaño, B. Pérez, O. D. Mansour, N. Kaurova, S. A. Gakhova, E. N. Cosson, J. Dyzuba, B. Kramarova, L. I. McGinnity, D. Gonzalez, M. Clulow, J. Clulow, S. (2019). **Sperm collection and storage for the sustainable management of amphibian biodiversity.** *Theriogenology*, 133, pp.187-200.

[https://www.researchgate.net/publication/333579435\\_Sperm\\_collection\\_and\\_storage\\_for\\_the\\_sustainable\\_management\\_of\\_amphibian\\_biodiversity](https://www.researchgate.net/publication/333579435_Sperm_collection_and_storage_for_the_sustainable_management_of_amphibian_biodiversity)

Carlsson, G. (2019). **Effect-based environmental monitoring for thyroid disruption in Swedish amphibian tadpoles.** *Environmental Monitoring and Assessment*, 191(7), pp.1-18.

[https://www.researchgate.net/publication/333931576\\_Effect-based\\_environmental\\_monitoring\\_for\\_thyroid\\_disruption\\_in\\_Swedish\\_amphibian\\_tadpoles](https://www.researchgate.net/publication/333931576_Effect-based_environmental_monitoring_for_thyroid_disruption_in_Swedish_amphibian_tadpoles)

Chinchilla-Lemus, W. Serrano-Cardozo, V. H. Ramírez-Pinilla, M. P. (2019). **Reproductive activity, microhabitat use, and calling sites of Pristimantis bacchus (Anura: Craugastoridae).** *Amphibia-Reptilia*, Brill Advance.

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191200.xml>

Chuliver, M. Fabrezi, M. (2019). **A Developmental Staging Table for Physalaemus biligonigerus (Cope, 1861) (Anura: Leptodactylidae).** *South American Journal of Herpetology*, 14(2), pp.150-161.

<https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-2/SAJH-D-18-00005.1/A-Developmental-Staging-Table-for-iPhysalaemus-biligonigerus-i-Cope-1861/10.2994/SAJH-D-18-00005.1.short>

Clarke, G. S. Shine, R. Phillips, B. L. (2019). **Whispers on the wind: male cane toads modify mate searching and amplexus tactics based on calls from other males.** *Animal Behaviour*, 153, pp.131-136.

<https://www.sciencedirect.com/science/article/pii/S0003347219301460>

Clarke, G. S. Shine, R. Phillips, B. L. (2019). **May the (selective) force be with you: spatial sorting and natural selection exert opposing forces on limb length in an invasive amphibian.** *Journal of Evolutionary Biology*, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jeb.13504>

Correa, C. Duran, F. (2019). **Taxonomy, systematics and geographic distribution of ground frogs (Alsodidae, Eupsophus): a comprehensive synthesis of the last six decades of research.** (Report). *ZooKeys*, 1, p.107(46)

<https://zookeys.pensoft.net/article/35484/>

Cruz, C. A. G. Carmaschi, U. Fusinatto, L. A. Brasileiro, C. A. (2019). **Taxonomic review of Dendrophryniscus brevipollicatus Jiménez de la Espada, 1870, with revalidation of D. imitator (Miranda-Ribeiro, 1920) and D. lauroi Miranda-Ribeiro, 1926, and description of four new related species (Anura, Bufonidae).** *Zootaxa*, 4648(1).

<https://www.mapress.com/j/zt/article/view/zootaxa.4648.1.2>

Cruz-Elizalde, R. Ramírez-Bautista, A., Hernández-Salinas, U. Berriozabal-Islas, C Wilson, L. D. (2019). **An updated checklist of the herpetofauna of Querétaro, Mexico: species richness, diversity, and conservation status.** *Zootaxa* 4638(2), pp.273–290.

[https://www.researchgate.net/profile/Aurelio\\_Ramirez-Bautista/publication/334520612\\_An\\_updated\\_checklist\\_of\\_the\\_herpetofauna\\_of\\_Queretaro\\_Mexico\\_species\\_richness\\_diversity\\_and\\_conservation\\_status/links/5d310331299bf1547cc2600d/An-updated-checklist-of-the-herpetofauna-of-Queretaro-Mexico-species-richness-diversity-and-conservation-status.pdf](https://www.researchgate.net/profile/Aurelio_Ramirez-Bautista/publication/334520612_An_updated_checklist_of_the_herpetofauna_of_Queretaro_Mexico_species_richness_diversity_and_conservation_status/links/5d310331299bf1547cc2600d/An-updated-checklist-of-the-herpetofauna-of-Queretaro-Mexico-species-richness-diversity-and-conservation-status.pdf)

Cummins, D. Kennington, W. J. Rudin-Bitterli, T. Mitchell, N. J. (2019). **A genome-wide search for local adaptation in a terrestrial-breeding frog reveals vulnerability to climate change.** *Global Change Biology*, Early View, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.14703>

Davis, A. K. Golladay, C. (2019). **A survey of leukocyte profiles of red-backed salamanders from Mountain Lake, Virginia, and associations with host parasite types.** *Comparative Clinical Pathology*, Online, pp 1–8.

<https://link.springer.com/article/10.1007/s00580-019-03015-9>

de Almeida, D. A. do Carmo Dietz, J. de Oliveira, B. F. R. Vieira, J. D. G. Magalhães, M. R. Jesuíno, R. S. A. (2019). **Actividad antibacterial de secreciones de la piel de Phyllomedusa azurea (Anura: Hylidae) en Cerrado, Brasil centro.** *Revista de Biología Tropical*, 67(1).

<https://go.galegroup.com/ps/anonymous?id=GALE%7CA594318208&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=00347744&p=IFME&sw=w>

de Castro, D. P. Mângia, S. Magalhães, F. de M. Röhr, D. L. Camurugi, F. da Silveira-Filho, R. R. da Silva, M. M. X. Andrade-Oliveira, J. A. de Sousa, T. A. França, F. G. R. Harris, D. J. Garda, A. A. Borges-Nojosa, D. M. (2019). **Herpetofauna of protected areas in the Caatinga VI: the Ubajara National Park, Ceará, Brazil.** *Herpetology Notes*, 12, pp.727-742.

[https://www.researchgate.net/publication/334559653\\_Herpetofauna\\_of\\_protected\\_areas\\_in\\_the\\_Caatinga\\_VI\\_the\\_Ubajara\\_National\\_Park\\_Ceara\\_Brazil](https://www.researchgate.net/publication/334559653_Herpetofauna_of_protected_areas_in_the_Caatinga_VI_the_Ubajara_National_Park_Ceara_Brazil)

de Lima Moraes, L. J. C. Pavan, D. Lima, A. P. (2019). **A new nurse frog of Allobates masniger-nidicola complex (Anura, Aromobatidae) from the east bank of Tapajós River, eastern Amazonia.** *Zootaxa*, 4648(3), Online.

<https://www.biotaxa.org/Zootaxa/article/view/zootaxa.4648.3.1>

de Sá, R. O. Tonini, J. van Huss, H. Zaher, H. Haddad, H. F. B. (2019). **The unique traits of the subgenus Unicus within Chiasmocleis Méhely, 1094 (Anura: Microhylidae).** *Zootaxa* 4646(3), pp.585-590.

<https://www.mapress.com/j/zt/article/view/zootaxa.4646.3.8>

Deng, K. Cui, J.-G. (2019). **Vocal networks remain stable after a disturbance in Emei music frogs.** *Ecology and Evolution*, Early View Online.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/ece3.5473>

Desnitskiy, A. G. (2019). **Facultative symbiosis of Oophila amblystomatis (Chlorophyceae) with amphibian eggs and embryos.** *The International Journal of Plant Reproductive Biology* 11(2), pp.103-106.

[https://pure.spbu.ru/ws/files/43810023/Desnitskiy\\_Oophila\\_Symbiosis\\_2019.pdf](https://pure.spbu.ru/ws/files/43810023/Desnitskiy_Oophila_Symbiosis_2019.pdf)

Dias, K. S. Dosso, E. S. Hall, A. S. Schuch, A. P. Tozetti, A. M. (2019). **Ecological light pollution affects anuran calling season, daily calling period, and sensitivity to light in natural Brazilian wetlands.** *Die Naturwissenschaften*, 106(7-8), pp.46.

[https://www.researchgate.net/publication/334279145\\_Ecological\\_light\\_pollution\\_affects\\_anuran\\_calling\\_season\\_daily\\_calling\\_period\\_and\\_sensitivity\\_to\\_light\\_in\\_natural\\_Brazilian\\_wetlands](https://www.researchgate.net/publication/334279145_Ecological_light_pollution_affects_anuran_calling_season_daily_calling_period_and_sensitivity_to_light_in_natural_Brazilian_wetlands)

Dias, P. H. S. Araujo-Vieiral, K. de Carvalho-e-Silva, A. M. P. T. Orrico, V. G. D. (2019). **Larval anatomy of Dendropsophus decipiens (A. Lutz 1925) (Anura: Hylidae: Dendropsophini) with considerations to larvae of this genus.** *PLoS One* 14(7), e0219716.

[https://www.researchgate.net/publication/334404883\\_Larval\\_anatomy\\_of\\_Dendropsophus\\_decipiens\\_A\\_Lutz\\_1925\\_Anura\\_Hylidae\\_Dendropsophini\\_with\\_considerations\\_to\\_larvae\\_of\\_this\\_genus](https://www.researchgate.net/publication/334404883_Larval_anatomy_of_Dendropsophus_decipiens_A_Lutz_1925_Anura_Hylidae_Dendropsophini_with_considerations_to_larvae_of_this_genus)

dos Anjos, S. F. Wronski, W. S. S. Penhacek, M. JANAINA DA COSTA Noranha J. D. A. Pinto, K. C. Oda, F. H. Rodrigues, D. J. (2019). **New records of Boana icamiaba (Anura: Hylidae) in the Brazilian Amazon rainforest.** *Caldasia*, 41(2), pp. 442-444.

[https://media.proquest.com/media/hms/PFT/1/d4tp9?\\_s=D4C7MeIPWEzbyS2uD%2FUT1CPczxQ%3D](https://media.proquest.com/media/hms/PFT/1/d4tp9?_s=D4C7MeIPWEzbyS2uD%2FUT1CPczxQ%3D)

Dudek, K. Gaczkorek, T. S. Zieliński, P. Babik, W. (2019). **Pervasive introgression of MHC genes in newt hybrid zones.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/19/706036.full.pdf>

Dufresnes, C. Déjean, T. Zumbach, S. Schmidt, B. R. Fumagalli, L . Ramseier, P. Dubey, S. (2019). **Early detection and spatial monitoring of an emerging biological invasion by population genetics and environmental DNA metabarcoding.** *Conservation Science and Practice*, Early View, e86.

<https://onlinelibrary.wiley.com/doi/full/10.1111/csp2.86>

Dufresnes, C. Mazepa, G. Jablonski, D. Sadek, R. A. Litvinchuk, S. N. (2019). **A river runs through it: tree frog genomics supports the Dead Sea Rift as a rare phylogeographical break.** *Biological Journal of the Linnean Society*, Advance Article. blz076

<https://academic.oup.com/biolinnean/advance-article-abstract/doi/10.1093/biolinnean/blz076/5531827>

Dufresnes, C. Strachinis, I. Suriadna, N. Mykytynets, G. Cogălniceanu, D. Székely, P. Vukov, T. Arntzen, J. W. Wielstra, B. Lymberakis, P. Geffen, E. Gafny, S. Kumlutaş, Y. Ilgaz, Ç. Candan, K. Mizsei, E. Szabolcs, M. Kolenda, K. Smirnov, N. Géniez, P. Lukanov, S. Crochet, P.-A. Dubey, S. Perrin, N. Litvinchuk, S. N. Denoël, M. (2019). **Phylogeography of a cryptic speciation continuum in Eurasian spadefoot toads (Pelobates).** *Molecular ecology*, 28(13), pp.3257-3270.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15133>

Dufresnes, C. Strachinis, I. Tzoras, E. Denoel, M. (2019). **Call a spade a spade: taxonomy and distribution of Pelobates, with description of a new Balkan endemic.** *ZooKeys*, 859, pp.131-158.

[https://www.researchgate.net/publication/333673470 Call a spade a spade taxonomy and distribution of Pelobates with description of a new Balkan endemic](https://www.researchgate.net/publication/333673470_Call_a_spade_a_spade_taxonomy_and_distribution_of_Pelobates_with_description_of_a_new_Balkan_endemic)

Dupler, K. Guidugli-Cook, M. Brown, D. R. Richter, S. C. (2019). **Rapid Assessment of Wetland Condition Reflects Amphibian Community Composition.** *Wetlands*, Online, pp.1–14.

<https://link.springer.com/article/10.1007/s13157-019-01192-5>

Duport-Bru, A. S. Ponssa, M. L. Candiot, F. V. (2019). **Postmetamorphic ontogenetic allometry and the evolution of skull shape in Nest-building frogs Leptodactylus (Anura: Leptodactylidae).** *Evolution & Development*, Early View, e12303.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ede.12303>

Edmonds, D. Kessler, E. Bolte, L. (2019). **How common is common? Rapidly assessing population size and structure of the frog Mantidactylus betsileanus at a site in east-central Madagascar.** *Austral Ecology*, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12797>

Ellison, S. Rovito, S. Parra-Olea, G. Vásquez-Almazán, C. Flechas, S. V. Bi, K. Vredenburg, V. T. **The Influence of Habitat and Phylogeny on the Skin Microbiome of Amphibians in Guatemala and Mexico.** *Microbial Ecology*, 78(1), pp.257-267.

<https://link.springer.com/article/10.1007/s00248-018-1288-8>

Exbrayat, J.-M. Brun, C. de Montera, B. Moudilou, E. N. Raquet, M. (2019). **Amphibians as Models for the Study of Cell Proliferation, Differentiationand Apoptosis throughout Embryonic Development and Oviduct Cycles.** *Journal of Molecular Histology & Medical Physiology*, 4(1), Online.

[https://www.researchgate.net/profile/Jean-Marie\\_Exbrayat/publication/334121919\\_Exbrayat\\_JM\\_Brun\\_C\\_de\\_Montera\\_B\\_Moudilou\\_EN\\_Raquet\\_M\\_2019\\_Amphibians\\_as\\_Models\\_for\\_the\\_Study\\_of\\_Cell\\_Proliferation\\_Differentiation\\_and\\_Apoptosis\\_throughout\\_Embryonic\\_Development\\_and\\_Oviduct\\_Cycles/links/5d18ab8ca6fdcc2462b1c6c0/Exbrayat-JM-Brun-C-de-Montera-B-Moudilou-EN-Raquet-M-2019-Amphibians-as-Models-for-the-Study-of-Cell-Proliferation-Differentiation-and-Apoptosis-throughout-Embryonic-Development-and-Oviduct-Cycle.pdf](https://www.researchgate.net/profile/Jean-Marie_Exbrayat/publication/334121919_Exbrayat_JM_Brun_C_de_Montera_B_Moudilou_EN_Raquet_M_2019_Amphibians_as_Models_for_the_Study_of_Cell_Proliferation_Differentiation_and_Apoptosis_throughout_Embryonic_Development_and_Oviduct_Cycles/links/5d18ab8ca6fdcc2462b1c6c0/Exbrayat-JM-Brun-C-de-Montera-B-Moudilou-EN-Raquet-M-2019-Amphibians-as-Models-for-the-Study-of-Cell-Proliferation-Differentiation-and-Apoptosis-throughout-Embryonic-Development-and-Oviduct-Cycle.pdf)

Ferreira, R. B. Mônico, A. T. Zocca, C. Z. Santos, M. T. T. Lírio, F. C. F. Tonini, J. F. R. Sabagh, L. T. Cipriano, R. S. Waichert, C. Crump, M. L. Beard, K. H. Toledo, L. F. Duca, C. (2019). **Uncovering the Natural History of the Bromeligenous Frog Crossodactylodes izecksohni (Leptodactylidae, Paratelmatobiinae).** *South American Journal of Herpetology*, 14(2), pp.136-145.

[https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-2/SAJH-D-17-00092.1/Uncovering-the-Natural-History-of-the-Bromeligenous-Frog-Crossodactylodes-izecksohni/10.2994/SAJH-D-17-00092.1.short?fbclid=IwAR1UoV7qpeWpDKKM2TAc-OS\\_fBHp8XvNedg2p4E8Omz4kHgAfM4oUZMLbY](https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-2/SAJH-D-17-00092.1/Uncovering-the-Natural-History-of-the-Bromeligenous-Frog-Crossodactylodes-izecksohni/10.2994/SAJH-D-17-00092.1.short?fbclid=IwAR1UoV7qpeWpDKKM2TAc-OS_fBHp8XvNedg2p4E8Omz4kHgAfM4oUZMLbY)

Figueiredo, G. De T. Storti, L. F. Lourenço-De-Moraes, R. Shibatta, O. A. Anjos, L. D. (2019). **Influence of microhabitat on the richness of anuran species: a case study of different landscapes in the Atlantic Forest of southern Brazil.** *Anais da Academia Brasileira de Ciencias*, 91(2), pp.e20171023

<http://www.scielo.br/pdf/aabc/v91n2/0001-3765-aabc-91-02-e20171023.pdf>

Fischer, E. K. Roland, A. B. Moskowitz, N. A. Tapia, E. E. Summers, K. Coloma, L. A. O'Connell, L. A. (2019). **The neural basis of tadpole transport in poison frogs.** *Proceedings of the Royal Society -B*, Online.

<https://royalsocietypublishing.org/doi/pdf/10.1098/rspb.2019.1084>

Fitzpatrick, M. J. Zuckerberg, B. Pauli, J. N. Kearney, M. R. Thompson, K. L. Werner II, L. C. Porter, W. P. (2019). **Modeling the distribution of niche space and risk for a freeze-tolerant ectotherm, Lithobates sylvaticus.** *Ecosphere*, 10(7), Online, Article e02788.

<https://esajournals.onlinelibrary.wiley.com/doi/pdf/10.1002/ecs2.2788>

Fonseca, E. Both, C. Cechin, S. Z. (2019). **Introduction pathways and socio-economic variables drive the distribution of alien amphibians and reptiles in a megadiverse country.** *Diversity and Distributions*, 25(7), pp.1130-1141.

[https://www.researchgate.net/publication/332372733\\_Introduction\\_pathways\\_and\\_socio-economic\\_variables\\_drive\\_the\\_distribution\\_of\\_alien\\_amphibians\\_and\\_reptiles\\_in\\_a\\_megadiverse\\_country](https://www.researchgate.net/publication/332372733_Introduction_pathways_and_socio-economic_variables_drive_the_distribution_of_alien_amphibians_and_reptiles_in_a_megadiverse_country)

Foulkrod, A. M. Appasamy, P. M. (2019). **Expression of TCR genes in adult and larval *Xenopus laevis*.** *Developmental & Comparative Immunology*, 96, pp.78-82.

[https://www.researchgate.net/publication/330996281\\_Expression\\_of\\_TCR\\_genes\\_in\\_adult\\_and\\_larval\\_Xenopus\\_laevis](https://www.researchgate.net/publication/330996281_Expression_of_TCR_genes_in_adult_and_larval_Xenopus_laevis)

Fraustros-Sandoval, A. de J. Dávalos-Martínez, A. Rosas-Espinoza, V. C. Santiago-Pérez, A. L. Ponce-Campos, P. Ochoa, E. I. (2019). **First record of the predation on Bell's False Brook Salamander**

**Isthmura bellii (Gray, 1850) by the Yellow-throated Gartersnake Thamnophis pulchrilatus (Cope, 1885) in Western Mexico.** *Herpetology Notes*, 12, pp.721-723.

<https://www.biota.org/hn/article/view/47345>

Frenken, T. Agha, R. Schmeller, D. S. West, P. Wolinska, J. (2019). **Biological Concepts for the Control of Aquatic Zoosporic Diseases.** *Trends in Parasitology*, 35(7), pp.571-582.

<https://www.sciencedirect.com/science/article/pii/S1471492219300765?dgcid=author>

Frynta, D. Peléšková, S. Rádlová, S. Janovcová, M. Landová, E. (2019). **Human evaluation of amphibian species: a comparison of disgust and beauty.** *The Science of Nature*, Online, 106:41.

<https://www.ncbi.nlm.nih.gov/pubmed/31263997?fbclid=IwAR2jkHYVBEqFy-I0loin923caBvBvEGfsMFAuialNLZhDir6bzmeio9lv5w>

García Feria, L. M. Brousset, D. M. Cervantes Olivares, R. A. (2019). **Determinant abiotic and biotic factors for the presence of Batrachochytrium dendrobatidis in Mexican amphibians.** *Acta Zoológica Mexicana (n.s.)*, 35, pp.1–18, e3502066

<http://azm.ajs.inecol.mx/index.php/azm/article/view/2066>

Garcia, M. J. Rodríguez-Brenes, S. Kobisk, A. Adler, L. Ryan, M. J. Taylor, R. C. Hunter, K. L. (2019). **Epigenomic changes in the túngara frog (*Physalaemus pustulosus*): possible effects of introduced fungal pathogen and urbanization.** *Evolutionary Ecology*, Online.

<https://link.springer.com/article/10.1007/s10682-019-10001-8#citeas>

Garcia, T. S. Bredeweg, E. M. Urbina, J. Ferrari, M. C. O. (2019). **Evaluating adaptive, carry-over and plastic antipredator responses across a temporal gradient in Pacific chorus frogs.** *Ecology*, Online, doi: 10.1002/ecy.02825

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/ecy.2825>

Goldberg, S. R. Bursey, C. R. (2019). **Gastrointestinal Helminths of Three Species of Limnonectes Frogs (Anura: Dicroidiidae) from Malaysia.** *Comparative Parasitology*, 86(2):149-152

<https://bioone.org/journals/Comparative-Parasitology/volume-86/issue-2/1525-2647-86.2.149/Gastrointestinal-Helminths-of-Three-Species-of-Limnonectes-Frogs-Anura/10.1654/1525-2647-86.2.149.short>

Goldspiel, H. B. Cohen, J. B. McGee, G. G. Gibbs, J. P. (2019). **Forest land-use history affects outcomes of habitat augmentation for amphibian conservation.** *Global Ecology & Conservation*, 19, e00686.

<https://www.sciencedirect.com/science/article/pii/S2351989419300162>

González, D. L. Baláž, V. Solský, M. Thumsová, B. Kolenda, K. Najbar, A. Najbar, B. Kautman, M. Chajma, P. Balogová, M. Vojar, J. (2019). **Recent Findings of Potentially Lethal Salamander Fungus *Batrachochytrium salamandrivorans*.** *Emerging Infectious Diseases*, 25(7), pp.1416-1418.

[https://wwwnc.cdc.gov/eid/article/25/7/18-1001\\_article](https://wwwnc.cdc.gov/eid/article/25/7/18-1001_article)

González-Fernández, A. Arroyo-Rodríguez, V. Ramírez-Corona, F. Manjarrez, J. Aguilera-Hernández, A. Sunny, A. (2019). **Local and landscape drivers of the number of individuals and genetic diversity of a microendemic and critically endangered salamander.** *Landscape Ecology*, Online, pp.1–12.

<https://link.springer.com/article/10.1007/s10980-019-00871-2>

Grant, T. (2019). **Outgroup sampling in phylogenetics: Severity of test and successive outgroup expansion.** *Journal of Zoological Systematics and Evolutionary Research*, Early View Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jzs.12317>

Güell, B. A. González, K. Pedroso-Santos, F. (2019). **Opportunistic predation by two aquatic-feeding predators on an explosive-breeding aggregation of arboreal gliding treefrogs (*Agalychnis spurrelli* Boulenger, 1913; Anura: Phyllomedusidae) on the Osa Peninsula of Costa Rica.** *Herpetology Notes*, 12, pp.795-798.

<https://biotaxa.org/hn/article/view/50621/49526>

Guillory, W. X. Muell, M. R. Summers, K. Brown, J. L. (2019). **Phylogenomic Reconstruction of the Neotropical Poison Frogs (Dendrobatidae) and their Conservation.** *Diversity* 11(8), pp.126

<https://www.mdpi.com/1424-2818/11/8/126>

Hartley, J. Gribbins, K. M. Siegel, D. S. (2019). **Modification of genital kidney nephrons for sperm transport in a plethodontid salamander, *Eurycea longicauda*.** *Journal of Morphology*,

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jmor.21041>

Hasan, M, Lai, J.-S. Poyarkov, N. A. Ohlers, A. Oliver, L. A. Kakehasi, R. Kurabayashi, A. Sumida, M. (2019). **Identification of *Hylarana tytleri* (Theobald, 1868): elements for the systematics of the genus *Hylarana* Tschudi, 1838 (Anura, Ranidae).** *Alytes*, 37(1–2), pp.1–30.

[http://www.mhasanbd.com/wp-content/uploads/2019/06/Hasan-et-al.-2019-Alytes-371-2-1-30\\_compressed.pdf](http://www.mhasanbd.com/wp-content/uploads/2019/06/Hasan-et-al.-2019-Alytes-371-2-1-30_compressed.pdf)

Heiss, E. Grell, J. (2019). **Same but different: aquatic prey capture in paedomorphic and metamorphic Alpine newts.** *Zoological Letters* 5, Article number: 24.

<https://zoologicalletters.biomedcentral.com/articles/10.1186/s40851-019-0140-4>

Hernández-Gallegos, O. López-Moreno, A. E. Pérez-Pérez, A. (2019). **Depredación masiva del sapo de pinos, *Incilius occidentalis* (Anura: Bufonidae).** *Caldasia*, 41(2), pp.450-452.

[https://www.researchgate.net/publication/334410951\\_Depredacion\\_masiva\\_del\\_sapo\\_de\\_pinos\\_Incilius\\_occidentalis\\_Anura\\_Bufonidae](https://www.researchgate.net/publication/334410951_Depredacion_masiva_del_sapo_de_pinos_Incilius_occidentalis_Anura_Bufonidae)

Hettyey, A. Ujszegi, J. Herczeg, D. Holly, D. Vörös, J. Schmidt, B. R. Bosch, J. (2019). **Mitigating Disease Impacts in Amphibian Populations: Capitalizing on the Thermal Optimum Mismatch Between a Pathogen and Its Host.** *Frontiers in Ecology and Evolution*, 03 July 2019, <https://doi.org/10.3389/fevo.2019.00254>

[https://www.frontiersin.org/articles/10.3389/fevo.2019.00254/full?utm\\_source=F-NTF&utm\\_medium=EMLX&utm\\_campaign=PRD\\_FEOPS\\_20170000\\_ARTICLE](https://www.frontiersin.org/articles/10.3389/fevo.2019.00254/full?utm_source=F-NTF&utm_medium=EMLX&utm_campaign=PRD_FEOPS_20170000_ARTICLE)

Homola, J. J. Loftin, C. S. Cammen, K. M. Helbing, C. C. Birol, I. Schultz, T. F. Kinnison, M. T. (2019). **Replicated landscape genomics identifies evidence of local adaptation to urbanization in wood frogs.** *Journal of Heredity*, Accepted Manuscript, esz041.,

<https://doi.org/10.1093/jhered/esz041>

Honeycutt, R. K. Garwood, J. M. Lowe, W. H. Hossack, B. R. (2019). **Spatial capture–recapture reveals age- and sex-specific survival and movement in stream amphibians.** *Oecologia*, Online, pp. 1–13.

<https://link.springer.com/article/10.1007/s00442-019-04464-3>

Howell, H. J. Mothes, C. C. Clements, S. L. Catania, S. V. Rothermel, B. B. Searcy, C. A. (2019). **Amphibian responses to livestock use of wetlands: new empirical data and a global review.** *Ecological Applications*, Online.

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/eap.1976>

Huang, A. Luo, H. Luo, S. Li, H. Ni, Q. Yao, Y. Xu, H. Zeng, B. Li, Y. Wei, Z. Zhang, M. (2019). **The complete mitogenome of the granular torrent frog, *Amolops granulosus* (Anura: Ranidae).** *Mitochondrial DNA, Part B*, 4(2), pp.2643-2644.

<https://www.tandfonline.com/doi/full/10.1080/23802359.2019.1643800>

Hudgens, B. Harbert, M. (2019). **Amphipod predation on Northern red-legged frog (*Rana aurora*) embryos.** *Northwestern Naturalist* 100(2), pp.126-131.

<https://bioone.org/journals/Northwestern-Naturalist/volume-100/issue-2/NWN-18-09/AMPHIPOD-PREDATION-ON-NORTHERN-RED-LEGGED-FROG-RANA-AURORA-EMBRYOS/10.1898/NWN-18-09.short>

Islam, R. Prater, C. M. Harris, B. N. Car, J. A. (2019). **Neuroendocrine Modulation of Predator Avoidance/Prey Capture Tradeoffs: Role of Tectal NPY2R Receptors.** *General and Comparative Endocrinology*, 113214, In Press, Accepted Manuscript.

<https://www.sciencedirect.com/science/article/pii/S0016648019301649>

Iwao, Y. Kimoto, C. Fujimoto, A. Suda, A. Hara, Y. (2019). **Physiological polyspermy: Selection of a sperm nucleus for the development of diploid genomes in amphibians.** *Molecular Reproduction and Development*, Early Online.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/mrd.23235>

Jared, C. Mailho-Fontana, P. L. Jared, S. G. S. Kupfer, A. Delabie, J. H. C. Wilkinson, M. Antoniazzi, M. M. (2019). **Life history and reproduction of the neotropical caecilian *Siphonops annulatus* (Amphibia, Gymnophiona, Siphonopidae), with special emphasis on parental care.** *Acta Zoologica*, 100(3), pp.292-302.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/azo.12254>

Joven, A. Elewa, A. Simon, A. (2019). **Model systems for regeneration: salamanders.** *Development*, 146(14),

<https://dev.biologists.org/content/146/14/dev167700.abstract>

Kalayci, T. E. Gül, S. Özdemir, N. (2019). **Age Structure and Body Size of the Eastern Spadefoot Toad *Pelobates syriacus* Boettger, 1889 (Anura: Pelobatidae) from Afyonkarahisar, Turkey.** *Acta Zoologica Bulgarica*, 71(2), pp.189-193.

<http://www.acta-zoologica-bulgarica.eu/downloads/acta-zoologica-bulgarica/2019/71-2-189-193.pdf>

Kime, N. M. Ryan, M. J. Wilson, P. S. (2019). **Modelling the production of complex calls in the túngara frog (*Physalaemus pustulosus*).** *Bioacoustics*, 28(4), pp.345-363.

<https://www.tandfonline.com/doi/abs/10.1080/09524622.2018.1458249?journalCode=tbio20>

Le Tri, D. Childers, C. L. Adam, M. K. Ben, R. N. Storey, K. B. Biggar, K. K. (2019). **Characterization of ice recrystallization inhibition activity in the novel freeze-responsive protein Fr10 from freeze-tolerant wood frogs, *Rana sylvatica*.** *Journal of Thermal Biology*, In Press.

<https://www.sciencedirect.com/science/article/pii/S0306456519300464>

Leaphart, J. C. Wilms, K. C. Bryan, A. L. Beasley, J. C. (2019). **Bioaccumulation of  $^{137}\text{Cs}$  in anuran larvae utilizing a contaminated effluent canal on the U.S. Department of Energy's Savannah River Site.** *Journal of environmental radioactivity*, 203, pp.25-29.

<https://www.ncbi.nlm.nih.gov/pubmed/30849558>

Lehtinen, R. M. Green, S. E. (2019). **Life on a Leaf: Hatching Plasticity in Embryos of the Tobago Glass Frog (*Hyalinobatrachium orientale tobagoense*).** *South American Journal of Herpetology*, 14(2), pp.146-149.

<https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-2/SAJH-D-18-00010.1/Life-on-a-Leaf--Hatching-Plasticity-in-Embryos-of/10.2994/SAJH-D-18-00010.1.short>

Leidy, R. A. Ryan, R. Moidu, H. Rodríguez-Lozano, P. Bogan, M. T. Carlson, S. M. (2019) **Observations of Foothill Yellow-legged Frog predation by a native frog, snake, and giant water bug in a central California intermittent stream.** *Western North American Naturalist*, 79(2), Article 14.

<https://scholarsarchive.byu.edu/wnan/vol79/iss2/14/>

Li, B. Zhang, W. Wang, T. Zhou, L. (2019). **Breeding habitat influences abundance and body condition of rice frog (*Fejervarya multistriata*) in agricultural landscape of Shanghai, China.** *Agriculture, Ecosystems & Environment*, 279, pp.74-79.

<https://www.sciencedirect.com/science/article/pii/S0167880919300908>

Li, S. Peng, L.-F. Lu, S.-O. Huang, S. (2019). **The complete mitochondrial genome of *Bufo zamdaensis* (Anura: Bufonidae).** *Mitochondrial DNA Part B*, 4(2), pp.2181-2182.

<https://www.tandfonline.com/doi/full/10.1080/23802359.2019.1624209>

Li, S. Wei, G. Xu, N. Cui, J. Liang F. Jiang, J. Liu, J. Wang. B. (2019). **A new species of the Asian music frog genus *Nidirana* (Amphibia, Anura, Ranidae) from Southwestern China.** PeerJ, Online, DOI:10.7717/peerj.7157

<https://peerj.com/articles/7157/>

Li, S. Zhang, M. Xu, N. Lv, J. Jiang, J. Liu, J. Wei, G. Wang, B. (2019). **A new species of the genus Microhyla (Amphibia: Anura: Microhylidae) from Guizhou Province, China.** *Zootaxa* 4624(4), pp.551–575.

[https://www.researchgate.net/profile/Li\\_Shize/publication/334172472\\_A\\_new\\_species\\_of\\_the\\_genus\\_Microhyla\\_Amphibia\\_Anura\\_Microhylidae\\_from\\_Guizhou\\_Province\\_China/links/5d1dd7a292851cf44063691a/A-new-species-of-the-genus-Microhyla-Amphibia-Anura-Microhylidae-from-Guizhou-Province-China.pdf](https://www.researchgate.net/profile/Li_Shize/publication/334172472_A_new_species_of_the_genus_Microhyla_Amphibia_Anura_Microhylidae_from_Guizhou_Province_China/links/5d1dd7a292851cf44063691a/A-new-species-of-the-genus-Microhyla-Amphibia-Anura-Microhylidae-from-Guizhou-Province-China.pdf)

Lima, L. R. Dubeux, M. J. M. do Nascimento, F. A. C. Bruschi, D. P. Mott, T. (2019). **Uncovering Neotropical treefrog diversity: integrative taxonomy reveal paraphyly in Boana atlantica (Amphibia, Anura, Hylidae).** *Amphibia-Reptilia*, Brill Online, DOI:10.1163/15685381-20191109 brill.com/amre

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191109.xml>

Lin, M. Zhang, S. Yao, M. (2019). **Effective detection of environmental DNA from the invasive American bullfrog.** *Biological Invasions*, 21(7), pp.2255–2268.

<https://link.springer.com/article/10.1007/s10530-019-01974-2>

Lindsay, K. Orchard, K. Yokoyama, M. (2019). **Giant Cuban Treefrog (*Osteopilus septentrionalis*) Tadpoles in an Introduced Population on Nevis (Lesser Antilles).** *IRCF Reptiles & Amphibians*, 26(2), pp.125–126.

[http://www.ircf.org/journal/wp-content/uploads/2019/07/RA-26.2\\_125-126\\_Lindsay-etal.pdf](http://www.ircf.org/journal/wp-content/uploads/2019/07/RA-26.2_125-126_Lindsay-etal.pdf)

Liu, Y. Yu, Q. Shu, Y.-L. Zhao, J.-H. Fang, J.-Y. Wu. H.-L. (2019). **A new *Cosmocercoides* species (Ascaridida: Cosmocercidae), *C. wuyiensis* n. sp., from the Asiatic frog *Amolops wuyiensis* (Amphibia: Anura).** *Journal of Helminthology*, First View.

<https://www.cambridge.org/core/journals/journal-of-helminthology/article/new-cosmocercoides-species-ascaridida-cosmocercidae-c-wuyiensis-n-sp-from-the-asiatic-frog-amolops-wuyiensis-amphibia-anura/E8B45C5E6B526A6AC413EDA4CD40DA70>

Lopes, A. G. Bang, D. L. Giaretta, A. A. (2019). **Revisiting the advertisement call features of *Scinax montivagus* (Anura: Hylidae).** *Neotropical Biodiversity*, 5(1), Online.

<https://www.tandfonline.com/doi/full/10.1080/23766808.2019.1646065>

Luría-Manzano, R. Ramírez-Bautista, A. (2019). **Dietary composition and selection in the stream-breeding anuran assemblage from a tropical wet forest in eastern Mexico.** *Acta Oecologica*, 98, pp.36-44.

<https://www.sciencedirect.com/science/article/pii/S1146609X19300244>

Lyu, Z.-T. Mo, Y.-M. Wan, H. Li, Y.-L. Pang, H. Wang, Y.-Y. (2019). **Description of a new species of Music frogs (Anura, Ranidae, Nidirana) from Mt Dayao, southern China.** *Zookeys*, 858, pp.109–126.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6614172/>

Mabrouki, Y. Taybi, A. F. Skalli, A. Sánchez-Vialas, A. (2019). **Amphibians of the Oriental Region and the Moulouya River Basin of Morocco: distribution and conservation notes.** *Basic and Applied Herpetology*, In Press.

<http://ojs.herpetologica.org/index.php/bah/article/view/134/86>

Maciel, A. O. de Castro, T. M. Sturaro, M. J. Silva, I. E. C. Ferreira, J. E. dos Santos, R. Risso-Quaioto, B. Barboza, B. A. Oliveira, J. C. F. Sampaio, I. Schneider, H. (2019). **Phylogenetic systematics of the Neotropical caecilian amphibian Luetkenotyphlus (Gymnophiona: Siphonopidae) including the description of a new species from the vulnerable Brazilian Atlantic Forest.** *Zoologischer Anzeiger*, 281, pp.76-83.

<https://www.sciencedirect.com/science/article/pii/S0044523119300786>

Mageski, M. M. Campinhos, E. C. Duca, C. Stein, M. C. de Oliveira, M. P. Clemente-Carvalho, R. B. G. (2019). **Diet of bromeliad-frog Phyllodytes luteolus (Anura, Hylidae) in Atlantic Forest environments: what have the frogs been eating outside sandy coastal plains?** *Papéis Avulsos de Zoologia*, 59, e20195929

<http://www.periodicos.usp.br/paz/article/view/148338/154348>

Mali, F. M. M. Kusamba, Z. C. Mlungu, A. M. Mizani, C. D. Banda, P. K. G. Mbalitini, S. G. Ewango, C. Tungaluna, G. C. G. Akaibe, B. D. (2019). **Note on the Amphibians and Reptiles of the Mungbwalu (Ituri Province) and Mutwanga (Province of North-Kivu) in DRC.** *American Journal of Zoology* 2(2): 18-27.

[https://www.researchgate.net/profile/Masudi\\_Muenye\\_Mali/publication/334120256\\_Note\\_on\\_the\\_Amphibians\\_and\\_Reptiles\\_of\\_the\\_Mungbwalu\\_Ituri\\_Province\\_and\\_Mutwanga\\_Province\\_of\\_North-Kivu\\_in\\_DRC/links/5d188a4aa6fdcc2462b144c1/Note-on-the-Amphibians-and-Reptiles-of-the-Mungbwalu-Ituri-Province-and-Mutwanga-Province-of-North-Kivu-in-DRC.pdf](https://www.researchgate.net/profile/Masudi_Muenye_Mali/publication/334120256_Note_on_the_Amphibians_and_Reptiles_of_the_Mungbwalu_Ituri_Province_and_Mutwanga_Province_of_North-Kivu_in_DRC/links/5d188a4aa6fdcc2462b144c1/Note-on-the-Amphibians-and-Reptiles-of-the-Mungbwalu-Ituri-Province-and-Mutwanga-Province-of-North-Kivu-in-DRC.pdf)

Mângia, S. Santana, D. J. Mariotto, L. R. (2019). **The advertisement call of the phytotelm-breeding Melanophryniscus xanthostomus (Anura: Bufonidae).** *Zoologia*, 36: e25662.

[http://www.scielo.br/scielo.php?script=sci\\_arttext&pid=S1984-46702019000100319](http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1984-46702019000100319)

Marangoni, F. Courtis, A. Piñeiro, J. M. Ingaramo, M. D. R. Cajade, R. Stănescu, F. (2019). **Contrasting life-histories in two syntopic amphibians of the Leptodactylus fuscus group (Heyer 1978)**. *Anais da Academia Brasileira de Ciencias*, 91(3), pp.e20180507.

[https://www.researchgate.net/publication/334727460\\_Contrasting\\_life-histories\\_in\\_two\\_syntopic\\_amphibians\\_of\\_the\\_Leptodactylus\\_fuscus\\_group\\_Heyer\\_1978](https://www.researchgate.net/publication/334727460_Contrasting_life-histories_in_two_syntopic_amphibians_of_the_Leptodactylus_fuscus_group_Heyer_1978)

Medina, D. Ibáñez, R. Lips, K. R. Crawford, A. J. (2019). **Amphibian diversity in Serranía de Majé, an isolated mountain range in eastern Panamá**. *ZooKeys* 859, 117–130.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6616096/pdf/zookeys-859-117.pdf>

Michaels, C. J. Denk, D. Flach, E. (2019). **First report of pseudohermaphroditism in a salamander**. *Herpetology Notes*, 12, pp.685-687.

<https://www.biota.org/hn/article/view/42771/48134>

Montori, A. Sebastian, O. S. Franch, M. Pujol-Buxó, E. Llorente, G. A. Fernández-Loras, A. Richter-Boix, A. Bosch, J. (2019). **Observations on the intensity and prevalence of Batra-chochytridium dendrobatis in sympatric and allopatric Epidalea calamita (native) and Discoglossus pictus (invasive) populations**. *Basic and Applied Herpetology*, Online.

<http://ojs.herpetologica.org/index.php/bah/article/view/137/85>

Morley, S. A. Peck, L. S. Sunday, J. M. Heiser, S. Bates, A. E. (2019). **Physiological acclimation and persistence of ectothermic species under extreme heat events**. *Global Ecology and Biogeography*, 28(7), pp.1018-1037.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/geb.12911>

Nakamura, T. Noumi, Y. Yamakawa, H. Nakamura, A. Wen, D. Li, X. Geng, X. Sawada, K. Iwasa, T. (2019). **Enhancement of the olfactory response by lipocalin Cp-Lip1 in newt olfactory receptor cells: An electrophysiological study**. *Chemical Senses*, bjz048,

<https://doi.org/10.1093/chemse/bjz048>

Narayan, E. J. Gramapurohit, N. P. (2019). **Urinary corticosterone metabolite responses to capture and visual elastomer tagging in the Asian toad (Duttaphrynus melanostictus)**. *The Herpetological Journal*, 29(3). pp. 179-183.

<https://thebhs.org/publications/the-herpetological-journal/volume-29-number-3-july-2019/1936-07-urinary-corticosterone-metabolite-responses-to-capture-and-visual-elastomer-tagging-in-the-asian-toad-i-duttaphrynus-melanostictus-i>

Nascimento, J. Lima, J. D. Suárez, P. Baldo, D. Andrade, G. V. Pierson, T. W. Fitzpatrick, B. M. Haddad, C. F. Recco-Pimentel, S. M. Lourenço, L. B. (2019). **Extensive Cryptic Diversity Within the *Physalaemus cuvieri* – *Physalaemus ephippifer* Species Complex (Amphibia, Anura) Revealed by Cytogenetic, Mitochondrial, and Genomic Markers.** *Frontiers in Genetics*, Provisionally Accepted.

<https://www.frontiersin.org/articles/10.3389/fgene.2019.00719/abstract>

Nocera, F. P. de Filippis, A. Piscopo, N. Piscopo, N. Esposito, L. de Martino, L. (2019). **Similarities between skin culturable bacterial species of pool frogs (*Pelophylax lessonae*) and their habitat.** *Bulgarian Journal of Veterinary Medicine*, Online First ISSN 1311-1477.

<http://tru.uni-sz.bg/bjvm/2019-0054%20OnFirst.pdf>

Ochoa-Vázquez, D. Rosas-Valdez, R. Martínez-Salazar, E. A. Flores-Villela, O. (2019). **Identification of leopard frogs (Anura: Ranidae: Lithobates) distributed in some localities of the Southern Mexican Plateau using mitochondrial DNA sequences.** *Mitochondrial DNA Part A*, ISSN: 2470-1394 (Print) 2470-1408 (Online).

<https://www.tandfonline.com/doi/abs/10.1080/24701394.2019.1634697?journalCode=imdn21>

Oficialdegui, F. J. Sánchez, M. I. Monsalve-Carcaño, M. Bosch, L. B. J. (2019). **The invasive red swamp crayfish (*Procambarus clarkii*) increases infection of the amphibian chytrid fungus (*Batrachochytrium dendrobatidis*).** *Biological Invasions*, Online, pp 1–11.

<https://link.springer.com/article/10.1007/s10530-019-02041-6>

Pathirana, N. Meegaskumbura, M. Rajakaruna, R. R. (2019). **Host resistance and tolerance to parasitism: development-dependent fitness consequences in common hourglass tree frog (Rhacophoridae: Polypedates cruciger) tadpoles exposed to two larval trematodes.** *Canadian Journal of Zoology*, Online.

<https://doi.org/10.1139/cjz-2018-0126>

Perkins, R. D. Gamboa, J. R. Jonika, M. M. Lo, J. Shum, A. Adams, R. H. Blackmon, H. (2019). **A database of amphibian karyotypes.** *Chromosome Research*, Online, pp.1–7.

<https://link.springer.com/article/10.1007/s10577-019-09613-1>

Pezzuti, T. L. Leite, F. S. F. Silva, D. H. Lourenço, A. C. C. Baeta, D. (2019). **The tadpole of *Physalaemus orophilus* from the Atlantic rainforest of southeastern Brazil (Amphibia, Anura, Leptodactylidae).** *Zootaxa* 4629(1), pp.141-145.

<https://www.mapress.com/j/zt/article/view/zootaxa.4629.1.11>

Pili, A. N. Sy, E. Y. Diesmos, M. L. L. Diesmos, A. C. (2019). **Island Hopping in a Biodiversity Hotspot Archipelago: Reconstructed Invasion History and Updated Status and Distribution of Alien Frogs in the Philippines.** *Pacific Science*, 73(3), pp.321-343

<https://doi.org/10.2984/73.3.2>

Pintanel, P. Salinas-Ivanenko, S. Gutiérrez-Pesquera, L. M. Almeida-Reinoso, F. Merino-Viteri, A. Tejedo, M. (2019). **Extreme colour variation in the larvae of the executioner clownfrog, Dendropsophus carnifex (Anura: Hylidae), living in nearby ponds of different light exposure and duration.** *Austral Ecology*, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12788>

Pogoda, P. Kupfer, A. (2019). **High osteological variation in a terrestrial salamander (genus Salamandrina).** *Zoologischer Anzeiger*, 281, pp.39-43.

<https://www.sciencedirect.com/science/article/pii/S0044523119300749>

Poo, S. Hinkson, K. M. (2019). **Applying cryopreservation to anuran conservation biology.** *Conservation Science and Practice*, Online, e91.

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/csp2.91>

Posso-Terranova, A. Andres, J. (2019). **Genetic Bases of Aposematic Traits: Insights from the Skin Transcriptional Profiles of Oophaga Poison Frogs.** *BioRxiv*, Online, <https://doi.org/10.1101/706655>

<https://www.biorxiv.org/content/biorxiv/early/2019/07/18/706655.full.pdf>

Prates, P. Paz, A. Brown, J. L. Carnaval, A. C. (2019). **Effects of prey turnover on poison frog toxins: a landscape ecology approach to assess how biotic interactions affect species phenotypes.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/10.1101/695171v3.full>

Queiroz, M. S. López-Hernández, D. Locke, S. A. Pinto, H. A. Anjos, L. A. (2019). **Metacercariae of Heterodiplostomum lanceolatum (Trematoda: Proterodiplostomidae) found in Leptodactylus podicipinus (Anura: Leptodactylidae) from Brazil: a morphological, molecular and ecological study.** *Journal of Helminthology*, Online.

<https://www.cambridge.org/core/journals/journal-of-helminthology/article/metacercariae-of-heterodiplostomum-lanceolatum-trematoda-proterodiplostomidae-found-in-leptodactylus-podicipinus-anura-leptodactylidae-from-brazil-a-morphological-molecular-and-ecological-study/52CF4BF134615E98833738A1A178EAFC>

Qin, T. Fan, C.-M. Wang, T.-Z. Yang, L. Shen, W.-L. Sun, H. Lin, J.-X. Cucchiari, M. Clement, N. D. Mason, C. E. Bunpetch, V. Nakamura, N. Bhonde, R. Clement, N. D. Yin, Z. Chen, X. (2019). **Single-Cell RNA-Seq Reveals Novel Mitochondria-related Musculoskeletal Cell Populations during Adult Axolotl Limb Regeneration Process.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/16/704841.full.pdf>

Quinzio, S. I. Goldberg, J. (2019). **Transient integumentary structures in Boana riojana (Anura, Hylidae) tadpoles.** *Amphibia-Reptilia*, DOI:10.1163/15685381-20191226 brill.com/amre

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191226.xml>

Ream, J. T. Zabriskie, D. López, J. A. (2019). **Herpetological Inventory of the Stikine River Region, Alaska, 2010–2018.** *Northwestern Naturalist*, 100(2), pp.102-117.

<https://bioone.org/journals/Northwestern-Naturalist/volume-100/issue-2/NWN-19-06/HERPETOLOGICAL-INVENTORY-OF-THE-STIKINE-RIVER-REGION-ALASKA-20102018/10.1898/NWN-19-06.short>

Rebollar, E. A. Bridges, T. Hughey, M. C. Medina, D. Belden, L. K. Harris, R. N. (2019). **Integrating the role of antifungal bacteria into skin symbiotic communities of three Neotropical frog species.** *The ISME journal*, 13(7), pp.1763-1775.

<https://www.nature.com/articles/s41396-019-0388-x>

Rebouças, R. da Silva, H. R. Sanuy, D. Solé, M. (2019). **Sexual maturity and growth of male toads (*Rhinella ornata*): a comparison between insular and mainland populations.** *Zoologischer Anzeiger*, In Press, Accepted Manuscript.

<https://www.sciencedirect.com/science/article/pii/S0044523119300798>

Reilly, S. B. Stubbs, A. L. Karin, B. R. Arida, E. Iskandar, D. T. McGuire, J. A. (2019). **Recent colonization and expansion through the Lesser Sundas by seven amphibian and reptile species.** *Zoologica Scripta*, Early View, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/zsc.12368>

Rivera, B. Cook, K. Andrews, K. Atkinson, M. S. Savage, A. E. (2019). **Pathogen Dynamics in an Invasive Frog Compared to Native Species.** *EcoHealth*, Online, pp.1–13.

<https://link.springer.com/article/10.1007/s10393-019-01432-4>

Robinson, S. A. Gavel, M. J. Richardson, S. D. Chlebak, R. J. Milotic, M. Koprivnikar, J. Forbes, M. R. (2019). **Sub-chronic exposure to a neonicotinoid does not affect susceptibility of larval leopard frogs to infection by trematode parasites, via either depressed cercarial performance or host immunity.** *Parasitology Research*, Online, pp. 1–13.

<https://link.springer.com/article/10.1007/s00436-019-06385-9>

Rothenberger, M. B. Vera, M. K. Germanoski, D. Ramirez, E. (2019). **Comparing amphibian habitat quality and functional success among natural, restored, and created vernal pools.** *Restoration Ecology*, 27(4), pp.881-891

<https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.12922>

Różański, J. J. Źuwała, K. D. (2019). **The influence of habitat on olfactory organ structure in selected species of salamanders (Salamandridae, Caudata).** *Zoologischer Anzeiger*, 281, pp.1-10.

<https://www.sciencedirect.com/science/article/pii/S0044523119300543>

Rozenblut-Kościsty, B. Ogielska, M. Hahn, J. Kleemann, D. Kossakowski, R. Tamschick, S. Schöning, V. Krüger, A. Lutz, I. Lymberakis, P. Kloas, W. Stöck, M. (2019). **Impacts of the synthetic androgen trenbolone on gonad differentiation and development – comparisons between three deeply diverged anuran families.** *Scientific Reports*, 9,9623, Online.

<https://www.nature.com/articles/s41598-019-45985-4.pdf>

Saito, S. Saito, C. T. Nozawa, M. Tominaga, M. (2019). **Elucidating the functional evolution of heat sensors among Xenopus species adapted to different thermal niches by ancestral sequence reconstruction.** *Molecular Ecology*. Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15170>

Samlali, M. A. S'khifa, A. Slimani, T. (2019). **Age structure of a population of Discoglossus scovazzi Camerano, 1878 (Anura - Discoglossidae) in extreme environmental conditions (High Atlas, Morocco).** *Acta Herpetologica* 14(1), pp.65-68.

[https://www.researchgate.net/profile/Tahar\\_Slimani/publication/334290498\\_Age\\_structure\\_of\\_a\\_population\\_of\\_Discoglossus\\_scovazzi\\_Camerano\\_1878\\_Anura\\_-Discoglossidae\\_in\\_extreme\\_environmental\\_conditions\\_High\\_Atlas\\_Morocco/links/5d230f2f92851cf4406f5313/Age-structure-of-a-population-of-Discoglossus-scovazzi-Camerano-1878-Anura-Discoglossidae-in-extreme-environmental-conditions-High-Atlas-Morocco.pdf](https://www.researchgate.net/profile/Tahar_Slimani/publication/334290498_Age_structure_of_a_population_of_Discoglossus_scovazzi_Camerano_1878_Anura_-Discoglossidae_in_extreme_environmental_conditions_High_Atlas_Morocco/links/5d230f2f92851cf4406f5313/Age-structure-of-a-population-of-Discoglossus-scovazzi-Camerano-1878-Anura-Discoglossidae-in-extreme-environmental-conditions-High-Atlas-Morocco.pdf)

Santos, M. T. T. De Oliveira, S. H. De Carvalho, T. R. Zaidan, B. F. Da SILVA, N. R. Berneck, B. von M. Garcia, P. C. A. (2019). **A new species of Paratelmatoibius (Anura: Leptodactylidae: Paratelmatoibiinae) from the Atlantic Forest of southern Brazil.** *Zootaxa*, 4648(3), Online.

<https://www.biota.org/Zootaxa/article/view/zootaxa.4648.3.4>

Santos, J. S. Costa, W. P. Seger, K. R. Recco-Pimentel, S. M. (2019). **Comparative sperm morphology of Proceratophrys and Odontophrynus (Anura, Odontophryidae)**. *Micron*, In Press, 102713.

[https://www.sciencedirect.com/science/article/pii/S0968432819300812?dgcid=rss\\_sd\\_all](https://www.sciencedirect.com/science/article/pii/S0968432819300812?dgcid=rss_sd_all)

Seleem, A. A. (2019). **Induction of hyperpigmentation and heat shock protein 70 response to the toxicity of methomyl insecticide during the organ development of the Arabian toad, Bufo arabicus (Heyden, 1827)**. *Journal of Histotechnology*, Online.

<https://www.tandfonline.com/doi/abs/10.1080/01478885.2019.1619653>

Serrano, J. M. Penna, M. Soto-Azat, C. (2019). **Individual and population variation of linear and non-linear components of the advertisement call of Darwin's frog (Rhinoderma darwini)**. *Bioacoustics*, DOI: 10.1080/09524622.2019.1631214.

<https://www.tandfonline.com/doi/abs/10.1080/09524622.2019.1631214>

Shuman-Goodier, M. E. Diaz, M. I. Almazan, M. L. Singleton, G. R. Hadi, B. A. R. Propper, E. R. (2019). **Ecosystem hero and villain: Native frog consumes rice pests, while the invasive cane toad feasts on beneficial arthropods**. *Agriculture, Ecosystems & Environment*, 279, pp.100-108.

<https://www.sciencedirect.com/science/article/pii/S0167880919300957>

Sibai, M. (2019). **Comparison of Gene Expression During Early Phases of Limb Regeneration Between Regeneration-permissive Neotenic and Regeneration-deficient Metamorphic Axolotl**. *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/11/693911.full.pdf>

Sibai, M. Parlayan, C. Tuğlu, P. Öztürk, G. Demircan, T. (2019). **Integrative Analysis of Axolotl Gene Expression Data from Regenerative and Wound Healing Limb Tissues**. *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/05/693523.full.pdf>

Sigirci, B. D. Alabas, B. Halac, B. Yuksel, H. T. Ikiz, S. (2019). **An abscess caused by Corynebacterium pseudotuberculosis in a Budgett's Frog (Lepidobatrachus laevis): A Case report**. *Journal of Exotic Pet Medicine*, Case Report, Accepted Manuscript.

<https://www.sciencedirect.com/science/article/abs/pii/S1557506319301168>

Smith, P. H. Skelcher, G. (2019). **Effects of environmental factors and conservation measures on a sand-dune population of the natterjack toad (*Epidalea calamita*) in north-west England: a 31-year study.** *The Herpetological Journal*, 29(3), pp. 146-154.

<https://thebhs.org/publications/the-herpetological-journal/volume-29-number-3-july-2019/1932-03-effects-of-environmental-factors-and-conservation-measures-on-a-sand-dune-population-of-the-natterjack-toad-i-epidalea-calamita-i-in-north-west-england-a-31-year-study>

Sonam, S. Srnak, J. A. Perry, K. J. Henry, J. J. (2019). **Molecular markers for corneal epithelial cells in larval vs. adult Xenopus frogs.** *Experimental Eye Research* 184, pp.107-125.

<https://www.sciencedirect.com/science/article/pii/S0014483519301721>

Srivastav, A. K. Srivastava, S. Srivastav, S. K. Faggio, C. Sekiguchi, T. Suzuki, N. (2019). **Response of Ultimobranchial and Parathyroid Glands of the Indian Skipper Frog, Euphlyctiscyanophlyctis to Cadmium Toxicity.** *Iranian Journal of Toxicology*, 13(3), pp.39-44.

<http://ijt.arakmu.ac.ir/article-1-748-en.pdf>

Storey, J. M. Storey, K. B. (2019). **In defense of proteins: Chaperones respond to freezing, anoxia, or dehydration stress in tissues of freeze tolerant wood frogs.** *Journal of Experimental Zoology*, Online, pp.1–11.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/jez.2306>

Stuckert, A. M. M. Linderoth, T. MacManes, M. D. Summers, K. (2019). **Differential gene expression and gene variants drive color and pattern development in divergent color morphs of a mimetic poison frog.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/21/706671.full.pdf>

Subramaniam, K. Waltzek, T. B. Chinchar, V. G. (2019). **Genomic sequence of a Bohle iridovirus strain isolated from a diseased boreal toad (*Anaxyrus boreas boreas*) in a North American aquarium.** *Archives of virology*, 164(7), pp.1923-1926.

<https://link.springer.com/article/10.1007/s00705-019-04244-7>

Sugai, L. S. M. Sugai, J. L. M. M. Ferreira, V. L. Silva, T. S. F. (2019). **Satellite image texture for the assessment of tropical anuran communities. (Report)** *Biotropica*, 51(4), p.581-590.

[https://www.researchgate.net/publication/333324463\\_Satellite\\_image\\_texture\\_for\\_the\\_assessment\\_of\\_tropical\\_anuran\\_communities](https://www.researchgate.net/publication/333324463_Satellite_image_texture_for_the_assessment_of_tropical_anuran_communities)

Svartz, G. Sandoval, M. T. Gosatti, M. Perez Catán, S. Pérez Coll, C. (2019). **Lethality, neurotoxicity, morphological, histological and cellular alterations of Ni-Al nanoceramics on the embryo-larval development of Rhinella arenarum.** *Environmental Toxicology and Pharmacology*, 69, pp.36-43.

[https://www.researchgate.net/publication/332064454\\_Lethality\\_neurotoxicity\\_morphological\\_histological\\_and\\_cellular\\_alterations\\_of\\_Ni-Al\\_nanoceramics\\_on\\_the\\_embryo-larval\\_development\\_of\\_Rhinella\\_arenarum](https://www.researchgate.net/publication/332064454_Lethality_neurotoxicity_morphological_histological_and_cellular_alterations_of_Ni-Al_nanoceramics_on_the_embryo-larval_development_of_Rhinella_arenarum)

Syromyatnikova, E. Roček, Z. van de Velde, S. (2019). **New discoveries in the frog Latonia seyfriedi (Anura: Alytidae) and their impact on taxonomy of the genus Latonia.** PalZ. Online, pp.1–9.

<https://link.springer.com/article/10.1007/s12542-019-00477-8>

Tavares, H. N. Da Silva, F. R. (2019). **Species turnover drives the spatial distribution of frog beta diversity in farmland ponds.** *Journal of Tropical Ecology*, 35(4), pp.199-202.

<https://www.cambridge.org/core/journals/journal-of-tropical-ecology/article/species-turnover-drives-the-spatial-distribution-of-frog-beta-diversity-in-farmland-ponds/3425591FC7C695CE68FB1C365FDD722D>

Tokmakov, A. A. Awamura, M. and Ken-Ichi Sato, K.-I. (2019). **Biochemical Hallmarks of Oxidative Stress-Induced Overactivation of Xenopus Eggs.** *BioMed Research International*, 2019, Article ID 7180540, 7 pages

<https://doi.org/10.1155/2019/7180540>

Tominaga, A. Matsui, M. Shimoji, N. Khonsue, W. Wu, C. S. Toda, M. Eto, K. Nishikawa, K. Ota, H. (2019). **Relict distribution of Microhyla (Amphibia: Microhylidae) in the Ryukyu Archipelago: High diversity in East Asia maintained by insularization.** *Zoologica Scripta*, 48(4), pp.440-453.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/zsc.12361>

Turani, B. Aliko, V. Shkembi, E. (2019). **Characterization of Albanian water frog, Pelophylax shqipericus, sperm traits and morphology, by using phase contrast microscopy.** *Microscopy Research & Technique*, Early View, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jemt.23346>

Urgiles, V. L. Székely, P. Székely, D. Christodoulides, N. Sanchez-Nivicela, J. C. Savage, A. E. (2019). **Genetic delimitation of Pristimantis orestes (Lynch, 1979) and P. saturninoi Brito et al., 2017 and description of two new terrestrial frogs from the Pristimantis orestes species group (Anura, Strabomantidae).** *Zookeys*, 864, pp.111-146.

<https://zookeys.pensoft.net/article/35102/>

VanAcker, M. C. Lambert, M. R. Schmitz, O. J. Skelly, D. K. (2019). **Suburbanization Increases Echinostome Infection in Green Frogs and Snails.** *EcoHealth*, Online, pp.1–13.

<https://link.springer.com/article/10.1007/s10393-019-01427-1>

van Rensburg, A. J. Robin, M. Phillips, B. C. Van Buskirk, J. (2019). **European common frog (*Rana temporaria*) recolonised Switzerland from multiple glacial refugia in northern Italy via trans- and circum-Alpine routes.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/07/09/696153.full.pdf>

Vershinina, V. L. Trofimova, A. G. Perekrest, E. V. Berzin, D. L. (2019). **Ossification Variability in the Cranial Skeleton of *Lissotriton vulgaris*( Linnaeus, 1758) (Caudata) from Urbanization Areas.** *Inland Water Biology*, 12(5), pp.290–294.

[https://ipae.uran.ru/sites/default/files/publications/users/Vershinin%20et%20al%202019\\_BVV\\_eng\\_cr.pdf](https://ipae.uran.ru/sites/default/files/publications/users/Vershinin%20et%20al%202019_BVV_eng_cr.pdf)

Vieira, W. A. Wells, K. M. Raymond, M. J. De Souza, L. Garcia, E. McCusker, C. D. (2019). **FGF, BMP, and RA signaling are sufficient for the induction of complete limb regeneration from non-regenerating wounds on *Ambystoma mexicanum* limbs.** *Developmental Biology*, 451(2), pp.146–157.

<https://www.sciencedirect.com/science/article/pii/S0012160618307395>

Vilaça, S. T. Bienentreu, J.-F. Brunetti, C. R. Lesbarrères, D. Murray, D. L. Kyle, C. J. (2019). **Frog virus 3 genomes reveal prevalent recombination between Ranavirus lineages and their origin in Canada.** *Journal of Virology*, Online.

<https://jvi.asm.org/content/early/2019/07/18/JVI.00765-19.abstract>

Virgo, J. Ruppert, A. Lampert, K. P. Gafe, T. U. Eltz, T. (2019). **The sound of a blood meal: Acoustic ecology of frog-biting midges (*Corethrella*) in lowland Pacific Costa Rica.** *Ethology*, 125(7), pp.465–475.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/eth.12871>

Weber, L. Šmejkal, M. Bartoň, D. Rulík, M. (2019). **Testing the applicability of tagging the Great crested newt (*Triturus cristatus*) using passive integrated transponders.** *PLoS One*, Online.

<https://doi.org/10.1371/journal.pone.0219069>

Wiens, J. J. Litvinenko, Y. Harris, L. Jezkova, T. (2019). **Rapid niche shifts in introduced species can be a million times faster than changes among native species and ten times faster than climate change.** *Journal of Biogeography*, Online.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.13649>

Wu, Z. Gatesoupe, F.-J. Zhang, Q. Wang, X. Feng, Y. Wang, S. Feng, D. Li, A. (2019). **High-throughput sequencing reveals the gut and lung prokaryotic community profiles of the Chinese giant salamander (*Andrias davidianus*).** *Molecular Biology Reports*, Online, pp.1–12.

<https://link.springer.com/article/10.1007/s11033-019-04972-8>

Xu, Y. Park, S. J. Gye, M. C. (2019). **Effects of nonylphenols on embryonic development and metamorphosis of *Xenopus laevis*: FETAX and amphibian metamorphosis toxicity test (OECD TG231).** *Environmental Research*, 174, pp.14-23.

<https://www.sciencedirect.com/science/article/pii/S0013935119302191>

Zamora-Camacho, F. J. Medina-Gálvez, L. Zambrano-Fernández, S. (2019). **The roles of sex and morphology in burrowing depth of Iberian spadefoot toads in different biotic and abiotic environments.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/10.1111/jzo.12715>

Zhang, J.-Y. Luu, B. E. Yu, D.-N. Zhang, L.-P. Al-attar, R. Storey, K. B. (2019). **The complete mitochondrial genome of *Dryophytes versicolor*: Phylogenetic relationship among Hylidae and mitochondrial protein-coding gene expression in response to freezing and anoxia.** *International Journal of Biological Macromolecules*, 132, pp.461-469.

<https://www.sciencedirect.com/science/article/pii/S0141813019305963>

## August

Abercrombie, S. A. Perre, C. Choi, Y. J. Tornabene, T. J. Sepúlveda, M. S. Lee, L. S. Hoverman, J. T. (2019). **Larval amphibians rapidly bioaccumulate poly- and perfluoroalkyl substances.** *Ecotoxicology and Environmental Safety*, 178, pp.137-145.

<https://www.sciencedirect.com/science/article/pii/S014765131930435X>

Adams, M. J. Muths, E. (2019). **Conservation research across scales in a national program: How to be relevant to local management yet general at the same time.** *Biological Conservation*, 236, Online, Pages 100-106.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316252>

Addis, B. R. Tobalske, B. W. Davenport, J. M. Lowe, W. H. (2019). **A distance–performance trade-off in the phenotypic basis of dispersal.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.5583>

Afroosheh, M. Rödder, D. Mikulicek, P. Akmali, V. Vaissi, S. Fleck, J. Schneider, W. Sharifi, M. (2019). **Mitochondrial DNA variation and Quaternary range dynamics in the endangered Yellow Spotted Mountain Newt, Neurergus derjugini (Caudata, Salamandridae).** *Journal of Zoological Systematics and Evolutionary Research*, 57(3), pp.580-590.

<https://onlinelibrary.wiley.com/doi/10.1111/jzs.12275>

Albecker, M. A. Belden, L. K. McCoy, M. W. (2019). **Comparative Analysis of Anuran Amphibian Skin Microbiomes Across Inland and Coastal Wetlands.** *Microbial Ecology*, 78(2), pp.348–360.

<https://link.springer.com/article/10.1007/s00248-018-1295-9>

Anderson, R. B. Rose, J. P. Lawler, S. P. (2019). **Evolutionary experience with the invasive Lithobates catesbeianus predicts lower survival of larval Ranad Raytonii.** *Herpetological Conservation and Biology*, 14(2), pp.349–359.

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Anderson\\_et al\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Anderson_et al_2019.pdf)

Annich, N. C. Bayne, E. M. Paszkowski, C. A. (2019). **Identifying Canadian toad (Anaxyrus hemiophrys) habitat in northeastern Alberta, Canada.** *Herpetological Conservation and Biology* 14(2), pp.503–514.

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Annich\\_et al\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Annich_et al_2019.pdf)

Bailey, L. L. Muths, E. (2019). **Integrating amphibian movement studies across scales better informs conservation decisions.** *Biological Conservation*, 236, pp.261-268.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718317932>

Bamba-Kaya, A. Zassi-Boulou, A.-G. Tobi, E. Hayes, T. D. Portik, D. M. Blackburn, D. C. Jongsma, G. F. M. (2019). **Notes on a little known Central African Reed Frog, Hyperolius schoutedeni Laurent, 1943.** *Herpetology Notes*, 12, pp.873-876.

<https://www.biota.org/hn/article/viewFile/49469/50496>

Becker, C. G. Bletz, M. C. Greenspan, S. E. Rodriguez, D. Lambertini, C. Jenkinson, T. S. Guimarães, P. R. Assis, A. P. A. Geffers, R. Jarek, M. Toledo, L. F. Vences, M. Haddad, C. F. B. (2019). **Low-load pathogen spillover predicts shifts in skin microbiome and survival of a terrestrial-breeding amphibian.** *Royal Society Publishing Proceedings B*, 286(1908), Article ID:20190510.

<https://royalsocietypublishing.org/doi/abs/10.1098/rspb.2019.1114>

Belle, C. C. Stoeckle, B. C. Geist, J. (2019). **Taxonomic and geographical representation of freshwater environmental DNA research in aquatic conservation.** *Aquatic Conservation Marine and Freshwater Ecosystems*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/aqc.3208>

Berkowic, D. Markman, S. (2019). **Weighing density and kinship: Aggressive behavior and time allocation in fire salamander (*Salamandra infraimmaculata*).** *PLoS One*, Online, pp.1-13.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0220499&type=printable>

Bittencourt-Silva, G. B. (2019). **A herpetological survey of western Zambia.** *Amphibian & Reptile Conservation* 13(2), pp.1–28 e181.

[https://www.researchgate.net/profile/Gabriela\\_Bittencourt-Silva/publication/335014488\\_A\\_herpetological\\_survey\\_of\\_western\\_Zambia/links/5d4a84bda6fdcc370a80f2a6/A-herpetological-survey-of-western-Zambia.pdf](https://www.researchgate.net/profile/Gabriela_Bittencourt-Silva/publication/335014488_A_herpetological_survey_of_western_Zambia/links/5d4a84bda6fdcc370a80f2a6/A-herpetological-survey-of-western-Zambia.pdf)

Borges, R. E. Oliveira, E. A. dos S. Santos, L. R. de S. de Souza, M. B. Morais, A. R. Maciel, N. M. de Oliveira, C. (2019). **First record of *Physalaemus albonotatus* (Steindachner, 1864) (Anura, Leiuperidae) for the state of Goiás, Brazil.** *Herpetology Notes*, 12, pp.901-903.

<https://www.biota.org/hn/article/viewFile/49042/51066>

Bornschein, M. R. Pie, M. R. Teixeira, L. (2019). **Conservation Status of Brachycephalus Toadlets (Anura: Brachycephalidae) from the Brazilian Atlantic Rainforest.** *Diversity*, 11(9),150, pp.1-29.

<https://www.mdpi.com/1424-2818/11/9/150>

Borzée, A. Andersen, D. Groffen, J. Kim, H.-T. Bae, Y. Jang, Y. (2019). **Climate change-based models predict range shifts in the distribution of the only Asian plethodontid salamander: Karsenia koreana.** *Scientific Reports*, 9:11838.

<https://www.nature.com/articles/s41598-019-48310-1.pdf>

Brady, S. P. Zamora-Camacho, F. J. Eriksson, F. A. A. Goedert, D. Comas, M. Calsbeek, R. (2019). **Fitter frogs from polluted ponds: The complex impacts of human-altered environments.** *Evolutionary applications*, 12(7), pp.1360-1370.

[https://www.researchgate.net/publication/329074715\\_Fitter\\_frogs\\_from\\_polluted\\_ponds\\_The\\_complex\\_impacts\\_of\\_human-altered\\_environments](https://www.researchgate.net/publication/329074715_Fitter_frogs_from_polluted_ponds_The_complex_impacts_of_human-altered_environments)

Brooks, G. C. Smith, J. A. Frimpong, E. A. Gorman, T. A. Chandler, H. C. Haas, C. A. (2019). **Indirect connectivity estimates of amphibian breeding wetlands from spatially explicit occupancy models.** *Aquatic Conservation: Marine and Freshwater Ecosystems*, Early View, pp1–11.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/aqc.3190>

Brunner, J. L. Olson, A. D. Rice, J. G. Meiners, S. E. Le Sage, M. J. Cundiff, J. A. Goldberg, C. S. Pessier, A. P. (2019). **Ranavirus infection dynamics and shedding in American bullfrogs: consequences for spread and detection in trade.** *Diseases of Aquatic Organisms*, 135, pp. 135–150.

<https://www.int-res.com/abstracts/dao/v135/n2/p135-150/>

Bruschi, D. P. Peres, E. A. Lourenço, L. B. Bartoletti, L. P. de M. Sobral-Souza, T. Recco-Pimentel, S. M. (2019). **Signature of the Paleo-Course Changes in the São Francisco River as Source of Genetic Structure in Neotropical Pithecopus nordestinus (Phyllomedusinae, Anura) Treefrog.** *Frontiers in Genetics*, 10, Online.

<https://www.frontiersin.org/articles/10.3389/fgene.2019.00728/full>

Burkhart, J. J. Puckett, E. E. Beringer, C. J. Sholy, C. N. Semlitsch, R. D. Eggert, L. S. (2019). **Post-Pleistocene differentiation in a Central Interior Highlands endemic salamander.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5619>

Cameron, A. C. Page, R. B. Watling, J. I. Hickerson, C.-A. M. Anthony, C. D. (2019). **Using a comparative approach to investigate the relationship between landscape and genetic connectivity among woodland salamander populations.** *Conservation Genetics*, Online, pp 1–16.

[https://www.researchgate.net/profile/Alex\\_Cameron3/publication/335079386\\_Using\\_a\\_comparative\\_approach\\_to\\_investigate\\_the\\_relationship\\_between\\_landscape\\_and\\_genetic\\_connectivity\\_among\\_woodland\\_salamander\\_populations/links/5d4d97964585153e5949d2ce/Using-a-comparative-approach-to-investigate-the-relationship-between-landscape-and-genetic-connectivity-among-woodland-salamander-populations.pdf](https://www.researchgate.net/profile/Alex_Cameron3/publication/335079386_Using_a_comparative_approach_to_investigate_the_relationship_between_landscape_and_genetic_connectivity_among_woodland_salamander_populations/links/5d4d97964585153e5949d2ce/Using-a-comparative-approach-to-investigate-the-relationship-between-landscape-and-genetic-connectivity-among-woodland-salamander-populations.pdf)

Camp, C. D. Soelter, T.M. Wooten, J. A. (2019). **Sexual selection and male-biased size dimorphism in a lineage of lungless salamander (Ampibia: Plethodontidae).** *Biological Journal of the Linnean Society*, Online, blz104.

<https://doi.org/10.1093/biolinnean/blz104>

Canessa, S. Ottonello, D. Rosa, G. Salvidio, S. Grasselli, E. Oneto, F. (2019). **Adaptive management of species recovery programs: A real-world application for an endangered amphibian.** *Biological Conservation*, 236, pp.202-210.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718315957>

Canessa, S. Spitzen-van Der Sluijs, A. Martel, A. Pasmans, F. (2019). **Mitigation of amphibian disease requires a stronger connection between research and management.** *Biological Conservation*, 236, pp.236-242.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316148>

Capshaw, G. Soares, D. Carr, C. E. (2019). **Bony labyrinth morphometry reveals hidden diversity in lungless salamanders (Family Plethodontidae): Structural correlates of ecology, development, and vision in the inner ear.** *Evolution*, 73(8), Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/evo.13837>

Caruso, N. M. Jacobs, J. F. Rissler, L. J. (2019). **An experimental approach to understanding elevation limits in the northern gray-cheeked salamander, Plethodon montanus.** *Herpetological Conservation and Biology*, 14(2), pp.297–307.

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Caruso\\_et.al\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Caruso_et.al_2019.pdf)

Chaparro-Herrera, D. J. Nandini, S. Sarma, S. S. S. (2019). **Turbidity effects on feeding by larvae of the endemic Ambystoma mexicanum and the introduced Oreochromis niloticus in Lake Xochimilco, Mexico.** *Ecohydrology & Hydrobiology*, 260, pp.1-11, In Press, Uncorrected Proof.

<https://www.sciencedirect.com/science/article/abs/pii/S1642359318302404>

Claytor, S. C. Gummer, J. P. A. Grogan, L. F. Skerratt, L. F. Webb, R. J. Brannelly, L. A. Berger, L. Roberts, A. A. (2019). **Susceptibility of frogs to chytridiomycosis correlates with increased levels of immunomodulatory serotonin in the skin.** *Cellular Microbiology*, Accepted Article.

<https://doi.org/10.1111/cmi.13089>

Converse, S. J. Grant, E. H. C. (2019). **A three-pipe problem: dealing with complexity to halt amphibian declines.** *Biological Conservation*, 236, pp.107-114.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718317750>

Cory, W. C. Welch, A. M. Ramirez, J. N. Rein, L. C. (2019). **Naproxen and Its Phototransformation Products: Persistence and Ecotoxicity to Toad Tadpoles (*Anaxyrus terrestris*), Individually and in Mixtures.** *Environmental toxicology and chemistry*, 38(9), pp.2008-2019.

<https://www.ncbi.nlm.nih.gov/pubmed/31403235>

Costa-Silveira, E. Silveira-Mascarenhas, C. Loebmann, D. (2019). **Occurrence of Hannemania sp. (Acariformes: Leeuwenhoekiidae) larvae in males of Boana pulchella (Anura: Hylidae) from southern Brazil.** *Revista Mexicana de Biodiversidad*, 90: e902845

<http://revista.ib.unam.mx/index.php/bio/article/view/2845>

Cuesta, S. Gallegos, F. Arias, J. Pilaquinga, F. Blasco-Zúñiga, A. Proaño-Bolaños, C. Rivera, M. Meneses, L. (2019). **Molecular modeling of four Dermaseptin-related peptides of the gliding tree frog Agalychnis spurrelli.** *Journal of Molecular Modeling*, 25(260), Online.

<https://link.springer.com/article/10.1007/s00894-019-4141-1>

Daam, M. A. Moutinho, M. F. Espíndola, E. L. G. Schiesari, L. (2019). **Lethal toxicity of the herbicides acetochlor, ametryn, glyphosate and metribuzin to tropical frog larvae.** *Ecotoxicology*, 28(6), pp.707-715.

<https://link.springer.com/article/10.1007/s10646-019-02067-5>

da Silva, D. das N. Nogueira-Costa, P. da Rosa, F. C. B. de Carvalho-e-Silva, A. M. P. T. (2019). **Adults of Megaelosia goeldii (Baumann, 1912) (Anura: Hylodidae) preying upon tadpoles supports the species' cannibalism.** *Herpetology Notes*, 12, pp.829-831.

<https://www.biotaxa.org/hn/article/view/50955>

Davis, D. R. Farkas, J. K. Kruisselbrink, T. R. Watters, J. I. Ellsworth, E. D. Kerby, J. I. Siler, D. C. D. (2019). **Prevalence and distribution of ranavirus in amphibians from southeastern Oklahoma, USA.** *Herpetological Conservation and Biology* 14(2), pp.360–369

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Davis\\_et\\_al\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Davis_et_al_2019.pdf)

Davis, D. R. Ferguson, K. J. Schwarz, M. S. Kerby, J. L. (2019). **Effects of Agricultural Pollutants on Stress Hormones and Viral Infection in Larval Salamanders.** *Wetlands*, Online, pp 1–10.

<https://link.springer.com/article/10.1007/s13157-019-01207-1>

de Fraga, R. Torralvo, K. (2019). **New record of the fringed leaf frog, Cruziohyla craspedopus (Anura: Phyllomedusidae) extends its eastern range limit.** *Acta Amazonica*. 49(3), pp.208 – 212.

<http://dx.doi.org/10.1590/1809-4392201901061>

De Silva, S. Wijayathilaka, N. (2019). **Bioacoustics of Sri Lankan Amphibians: A Review of Current Knowledge and Conservation Significance.** *Journal of Tropical Forestry and Environment*, 9(1), pp.1-6.

<http://journals.sjp.ac.lk/index.php/JTFE/article/view/3944>

DiRenzo, G. V. Grant, E. H. C. (2019). **Overview of emerging amphibian pathogens and modeling advances for conservation-related decisions.** *Biological Conservation*, 236, pp.474-483.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316112>

Dubey, S. Maddalena, T. Bonny, L. Jeffries, D. L. Dufresnes, C. (2019). **Population genomics of an exceptional hybridogenetic system of Pelophylax water frogs.** *BMC Evolutionary Biology*, 19(1), pp.1-13.

<https://bmcevolbiol.biomedcentral.com/track/pdf/10.1186/s12862-019-1482-4>

Dunlap, G. S. Whited, J. L. (2019). **Development: How Tadpoles ROC Tail Regeneration.** *Current Biology*, 29(15), pp.R756-R758.

<https://www.sciencedirect.com/science/article/abs/pii/S0960982219307535>

Eakin, C. J. Calhoun, A. J. K. Hunter, M. I. Jr. (2019). **Effects of suburbanizing landscapes on reproductive effort of vernal pool-breeding amphibians.** *Herpetological Conservation and Biology* 14(2), pp.515–532.

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Eakin\\_etal\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Eakin_etal_2019.pdf)

Engelbrecht-Wiggans, E. Tumulty, J. P. (2019). **“Reverse” sexual dichromatism in a Neotropical frog.** *Ethology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/eth.12942>

Erfanda, M. P. Septiadi, L. Devi, S. R. Hanifa, B. F. (2019). **Distribution Record of Leptophryne borbonica (Tschudi, 1838) (Anura: Bufonidae) from Malang, East Java: Description, Microhabitat, and Possible Threats.** *Journal of Tropical Biodiversity & Biotechnology*, 4(2), pp.82-89.

<https://journal.ugm.ac.id/jtbb/article/view/45355>

Fadel, R. M. Thaler, R. Folly, H. Galvão, C. Hoffmann, M. da Silva, L. A. Santana, D. J. Mângia, S. (2019). **Predation of anurans across multiple life stages in an Amazon–Cerrado transitional zone.** *Herpetology Notes*, 12, pp.895-899.

<https://www.biota.org/hn/article/view/46027>

French, C. M. Burkette, C. Reichle, S. Brown, J. L. (2019). **The tadpole of Ameerega boehmei in southeastern Bolivia.** *Zootaxa* 4661(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4661.1.12>

Ge, D. Noakes, P. Lavidis, N. (2019). **Seasonal comparison of the neuromuscular junction morphology of Bufo marinus.** *Journal of Comparative Neurology*, 527(12), pp.1931-1939.

[https://www.researchgate.net/publication/330990250\\_A\\_seasonal\\_comparison\\_of\\_the\\_neuromuscular\\_junction\\_morphology\\_of\\_Buffo\\_Marinus](https://www.researchgate.net/publication/330990250_A_seasonal_comparison_of_the_neuromuscular_junction_morphology_of_Buffo_Marinus)

Gonçalves, D. V. Brito, J. C. (2019). **Second Sahelian amphibian endemism suggested by phylogeography of Groove crowned Bullfrog (*Hoplobatrachus occipitalis*) in western Sahel and hints of polyploid species formation.** *Journal of Zoological Systematics & Evolutionary Research*, 57(3) Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jzs.12321>

Goodman, R. M. Tyler, J. A. Reinartz, D. M. Wright, A. N. (2019). **Survey of Ranavirus and Batrachochytrium dendrobatidis in Introduced Frogs in Hawaii, USA.** *Journal of Wildlife Diseases*, 55(3), pp.668-672.

<https://doi.org/10.7589/2018-05-137>

Grant, E. H. C. Muths, E. Schmidt, B. R. Petrovan, S. O. (2019). **Amphibian conservation in the Anthropocene.** *Biological Conservation*, 236, pp.543-547.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718315829?via%3Dihub>

Gregorio, L. S. Franco-Belussi, L. De Oliveira, C. (2019). **Genotoxic effects of 4-nonylphenol and Cyproterone Acetate on Rana catesbeiana (anura) tadpoles and juveniles.** *Environmental Pollution*, 251, pp.879-884.

<https://www.sciencedirect.com/science/article/pii/S0269749119306669>

Gutierrez-Villagomez, J. M. Martyniuk, C. J. Xing, L. Langlois, V. S. Pauli, B. D. Blais, J. Trudeau, V. L. (2019). **Transcriptome Analysis Reveals that Naphthenic Acids Perturb Gene Networks Related to Metabolic Processes, Membrane Integrity, and Gut Function in Silurana (Xenopus) tropicalis Embryos.** *Frontiers in Marine Science*, Early View.

<https://www.frontiersin.org/articles/10.3389/fmars.2019.00533/abstract>

Haggerty, C. J. E. Crisman, T. L. Rohr, J. R. (2019). **Direct and indirect effects of pine silviculture on the larval occupancy and breeding of declining amphibian species.** *Journal of Applied Ecology*, Accepted Article.

<https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2664.13493>

Hase, K. Kutsukake, N. (2019). **Developmental effects on social preferences in frog tadpoles, Rana ornativentris.** *Animal Behaviour*, 154, pp.7-16.

<https://www.sciencedirect.com/science/article/pii/S0003347219301678>

Hasegawa, S. Nakao, I. Ootani, Y. Ogawa, A. Takano, M. Kinoshita, T. (2019). **Identification and characterization of POU class V family genes in Japanese red bellied newt, Cynops pyrrhogaster.** *Zygote*, 27(5), pp. 329-336.

<https://www.cambridge.org/core/journals/zygote/article/identification-and-characterization-of-pou-class-v-family-genes-in-japanese-red-bellied-newt-cynops-pyrrhogaster/7A8F9811FC1A06CA6095FD8DC33306B6>

Helldin, J. O. Petrovan, S. O. (2019). **Effectiveness of small road tunnels and fences in reducing amphibian roadkill and barrier effects at retrofitted roads in Sweden.** *PeerJ* 7, e7518 DOI 10.7717/peerj.7518

<https://peerj.com/articles/7518/>

Hemingway, C. T. Lea, A. M. Page, R. A. Ryan, M. J. (2019). **Effects of information load on response times in frogs and bats: mate choice vs. prey choice.** *Behavioral Ecology and Sociobiology*, 73, pg.111.

<https://link.springer.com/article/10.1007/s00265-019-2726-4>

Hettyey, A. Üveges, B. Móricz, A. M. Drahos, L. Capon, R. J. Buskirk, J. V. Tóth, Z. Bókony, V. (2019). **Predator-induced changes in the chemical defence of a vertebrate.** *Journal of Animal Ecology*, Accepted Article.

<https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2656.13083>

Hinkson, K. M. Baecher, J. A. Poo, S. (2019). **Cryopreservation and hormonal induction of spermic urine in a novel species: The smooth-sided toad (*Rhaebo guttatus*).** *Cryobiology*, 89, pp.109-111.

<https://www.ncbi.nlm.nih.gov/pubmed/31078579>

Hu, Q. Tian, H. Xiao, H. (2019). **Effects of temperature and sex steroids on sex ratio, growth, and growth-related gene expression in the Chinese giant salamander *Andrias davidianus*.** *Aquatic Biology*, 28, pp.79– 90.

<https://www.int-res.com/articles/ab2019/28/b028p079.pdf>

Huang, A. Liu, S. Li, H. Luo, H. Ni, Q. Yao, Y. Xu, H. Zeng, B. Li, Y. Wei, Z. Li, S. Zhang, M. (2019). **The revised complete mitogenome sequence of the tree frog *Polypedates megacephalus* (Anura, Rhacophoridae) by next-generation sequencing and phylogenetic analysis.** *PeerJ*, 7, p.e7415.

<https://www.ncbi.nlm.nih.gov/pubmed/31396450>

Iwata, R. Makanae, A. Satoh, A. (2019). **Stability and plasticity of positional memory during limb regeneration in *Ambystoma mexicanum*.** *Developmental dynamics*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/dvdy.96>

Jacobson, B. Cedeño-Vázquez, J. R. Espinoza-Avalos, J. González-Solís, D. (2019). **The effect of diet on growth and metamorphosis of *Triprion petasatus* (anura: hylidae) tadpoles.** *Herpetological Conservation and Biology*, 14(2), pp.308–324.

[http://www.herpconbio.org/Volume\\_14/Issue\\_2/Jacobson\\_et.al\\_2019.pdf](http://www.herpconbio.org/Volume_14/Issue_2/Jacobson_et.al_2019.pdf)

Jansen, M. Santana, D. J. Teixeira, B. F. da V. Köhler, G. (2019). **A new striped species of *Dendropsophus* (Anura: Hylidae) with a composite advertisement call and comments on the *D. rubicundulus* group.** *Vertebrate Zoology*, 63(3), pp.227-246.

[https://www.researchgate.net/publication/335201244\\_A\\_new\\_striped\\_species\\_of\\_Dendropsophus\\_Anura\\_Hylidae\\_with\\_a\\_composite\\_advertisement\\_call\\_and\\_comments\\_on\\_the\\_D\\_rubicundulus\\_group](https://www.researchgate.net/publication/335201244_A_new_striped_species_of_Dendropsophus_Anura_Hylidae_with_a_composite_advertisement_call_and_comments_on_the_D_rubicundulus_group)

Joshi, A. M. Narayan, E. J. Gramapurohit, N. P. (2019). **Vocalisation and its association with androgens and corticosterone in a night frog (*Nyctibatrachus humayuni*) with unique breeding behaviour.** *Ethology*, 125(11), pp.774-784.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/eth.12931>

Kakebeen, A. Wills, A. (2019). **Advancing genetic and genomic technologies deepen the pool for discovery in *Xenopus tropicalis*.** *Developmental Dynamics*, 248(8), pp.620-625.

<https://www.ncbi.nlm.nih.gov/pubmed/31254427>

Kelehear, C. Shine, R. (2019). **Non-reproductive male cane toads (*Rhinella marina*) withhold sex-identifying information from their rivals.** *Biology letters*, 15(8), Online ISSN:1744-957X.

<https://royalsocietypublishing.org/doi/10.1098/rsbl.2019.0462>

Koirala, B. K. Cheda, K. Penjor, T. (2019). **Species diversity and spatial distribution of amphibian fauna along the altitudinal gradients in Jigme Dorji National Park, western Bhutan.** *Journal of Threatened Taxa*, 11(10), pp.14249–14258.

<https://threatenedtaxa.org/index.php/JoTT/article/view/4944/6394>

Kropachev, I. I. Orlov, N. L. Ostroshabov, A. A. Nguyen, T. T. (2019). **First description of the tadpole of *Thelederma ryabovi* Orlov, Dutta, Ghate et Kent, 2006 (Anura: Rhacophoridae), an endemic mossy frog from Vietnam.** *Zootaxa*, 4657(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4657.1.13>

Krueahong, J. (2019). **Nursing of common lowland frog (*Rana rugulosa*) fed with yeast incorporated diet.** *Journal of Agricultural Research and Extension* 36(1), pp.44-54.

<https://www.cabdirect.org/cabdirect/abstract/20193322715>

Kunz, B. K. Waddle, J. H. Green, N. S. (2019). **Amphibian monitoring in hardwood forests: optimizing methods for contaminant-based compensatory restorations.** *Integrated Environmental Assessment and Management*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/ieam.4202>

Lamb, J. Y. (2019). **Skin Sloughing and Sperm Cap Loss during Courtship in Dusky Salamanders (Genus *Desmognathus*).** *Southeastern Naturalist*, 18(3), Online.

<https://bioone-org.ezproxy.otago.ac.nz/journals/southeastern-naturalist/volume-18/issue-3/058.018.0304/Skin-Sloughing-and-Sperm-Cap-Loss-during-Courtship-in-Dusky/10.1656/058.018.0304.full>

Le, D. T. T. Rowley, J. J. L. Tran, D. T. A. Hoang, H. D. (2019). **The diet of a forest-dependent frog species, *Odorrana morafkai* (Anura: Ranidae), in relation to habitat disturbance.** *Amphibia-Reptilia*, Advance, Online.

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191171.xml>

Ledesma, J. L. J. Montori, A. Altava-Ortiz, V. Barrera-Escoda, A. Cunillera, J. Àvila, A. (2019). **Future hydrological constraints of the Montseny brook newt (*Calotriton arnoldi*) under changing climate and vegetation cover.** *Ecology & Evolution*, Online.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.5506>

León-Règagnon, V. (2019). **Helminths of the Eurasian marsh frog, *Pelophylax ridibundus* (Pallas, 1771) (Anura: Ranidae), from the Shiraz region, southwestern Iran.** *Helminthologia*, 56(3), pp.261 – 268.

<https://www.degruyter.com/view/j/helm.2019.56.issue-3/helm-2019-0022/helm-2019-0022.xml>

Lewis, C. H. R. Richards-Zawacki, C. L. Ibáñez, R. Luedtke, J. Voyles, J. Houser, P. Gratwicke, B. et al. (2019). **Conserving Panamanian harlequin frogs by integrating captive-breeding and research programs.** *Biological Conservation*, 236, Online, pp.180-187.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718315842>

Llewelyn, V. K. Berger, L. Glass, B. D. (2019). **Permeability of frog skin to chemicals: effect of penetration enhancers.** *Heliyon*, 5(8), e02127.

<https://www.sciencedirect.com/science/article/pii/S2405844019357871>

Lourenço, A. C. C. Lingnau, R. Haddad, C. F. B. Faivovich, J. (2019). **A New Species of the *Scinax catharinae* Group (Anura: Hylidae) from the Highlands of Santa Catarina, Brazil.** *South American Journal of Herpetology*, 14(3), pp.163-176.

<https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-3/SAJH-D-18-00001.1/A-New-Species-of-the-Scinax-catharinae-Group-Anura/10.2994/SAJH-D-18-00001.1.pdf>

Luo, Q. Deng, H. Yin, M. Chen, C. Zhou, J. (2019). **Novel Cathelicidin Antimicrobial Peptides from *Paa robertingeri*.** *Annual Research & Review in Biology*, 32(4), pp.1-10, Article no. ARRB.50001.

<http://www.journalarrb.com/index.php/ARRB/article/view/30093/56478>

Macklem, D. C. Helton, A. M. Tingley, M. W. Dickson, J. M. Rittenhouse, T. A. G. (2019). **Stream salamander persistence influenced by the interaction between exurban housing age and development.** *Urban Ecosystems*, Online, pp.1–16.

<https://link.springer.com/article/10.1007/s11252-019-00883-5>

Mariano, D. O. C. Messias, M. Di G. Spencer, P. J. Pimenta, D. C. (2019). **Protein identification from the parotoid macrogland secretion of *Duttaphrynus melanostictus*.** *Journal of Venomous Animals and Toxins including Tropical Diseases*, 25, e20190029.

<http://www.scielo.br/pdf/jvatid/v25/1678-9199-jvatid-25-e20190029.pdf>

Marques, N. C. S. Fava, F. G. Nomura, F. (2019). **Morphology-Environment Interaction in Ecomorphological Guilds of Tadpoles.** *South American Journal of Herpetology*, 14(2), pp.116-122.

<https://bioone-org.ezproxy.otago.ac.nz/journals/South-American-Journal-of-Herpetology/volume-14/issue-2/SAJH-D-17-00048.1/Morphology-Environment-Interaction-in-Ecomorphological-Guilds-of-Tadpoles/10.2994/SAJH-D-17-00048.1.full>

Matsui, M. (2019). **A New Species of Pelophryne from Malay Peninsula (Anura, Bufonidae).** *Current Herpetology*, 38(2), pp.128-139.

<https://bioone.org/journals/Current-Herpetology/volume-38/issue-2/hsj.38.128/A-New-Species-of-Pelophryne-from-Malay-Peninsula-Anura-Bufonidae/10.5358/hsj.38.128.full>

May, D. Shidemantle, G. Melnick-Kelley, Q. Crane, K. Hua, J. (2019). **The effect of intensified illuminance and artificial light at night on fitness and susceptibility to abiotic and biotic stressors.** *Environmental Pollution*, 251, pp.600-608.

<https://www.sciencedirect.com/science/article/pii/S0269749118349121>

Mehta, A. S. Luz-Madrigal, A. Li, J.-L. Tsionis, P. A. Singh, A. (2019). **Comparative transcriptomic analysis and structure prediction of novel Newt proteins.** *PLoS One*, Online, pp.1-17, 0220416.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0220416&type=printable>

Mendelson, J. R. Whitfield, S. M. Sredl, M. J. (2019). **A recovery engine strategy for amphibian conservation in the context of disease.** *Biological Conservation*, 236, Online, pp.188-191.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316070>

Meshaka, W. E. Jr. Lindsay, C. G. Mack, A. L. McCallum, M. L. (2019). **A Survey of Terrestrially Active Salamanders from Two Different Woodlands at the Powdermill Nature Reserve, Pennsylvania.** *Northeastern Naturalist*, 26(3):629-640.

<https://bioone.org/journals/northeastern-naturalist/volume-26/issue-3/045.026.0316/A-Survey-of-Terrestrially-Active-Salamanders-from-Two-Different-Woodlands/10.1656/045.026.0316.short>

Mitros, T. Lyons, J. B. Session, A. M. Jenkins, J. Shu, S. Kwon, T. Lane, M. Ng, C. Grammer, T. C. Khokha, M. K. Grimwood, J. Schmutz, J. Harland, R. M. Rokhsar, D. S. (2019). **A chromosome-scale genome assembly and dense genetic map for *Xenopus tropicalis*.** *Developmental biology*, 452(1), pp.8-20.

<https://www.sciencedirect.com/science/article/pii/S0012160618303890>

Moreton, M. L. Marlatt, V. L. (2019). **Toxicity of the aquatic herbicide, reward®, to the northwestern salamander.** *Environmental Science and Pollution Research*, pp.1–9.

<https://link.springer.com/article/10.1007/s11356-019-06234-3>

Moser, C. F. Olmedo, G. M. de Oliveira, M. Tozetti, A. M. (2019). **Movement Ecology and Habitat Use in Males of Two Species of Boana (Anura: Hylidae) During breeding season.** *Herpetology Notes*, 12, pp.885-893.

<https://www.biota.org/hn/article/view/37073>

Mosher, B. A. Brand, A. B. Wiewel, A. N. M. Miller, D. A. W. Gray, M. J. Miller, D. L. Grant, E. H. C. (2019). **Estimating occurrence, prevalence, and detection of amphibian pathogens: insights from occupancy models.** *Journal of Wildlife Diseases*, 55(3), pp.563-575.

<https://doi.org/10.7589/2018-02-042>

Moskowitz, N. A. Dorritie, B. Fay, T. Nieves, O. C. Vidoudez, C. Rindge, C. Fischer, E. K. Trauger, S. A. Coloma, L. A. Donoso, D. A. O'Connell, L. A. (2019). **Land use impacts poison frog chemical defenses through changes in leaf litter ant communities.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/08/30/745976.full.pdf>

Mossman, A. Lambert, M. R. Ashton, M. S. Wikle, J. Duguid, M. C. (2019). **Two salamander species respond differently to timber harvests in a managed New England forest.** *PeerJ*, 7: e7604.

[https://peerj.com/articles/7604/?utm\\_source=TrendMD&utm\\_campaign=PeerJ\\_TrendMD\\_0&utm\\_medium=TrendMD](https://peerj.com/articles/7604/?utm_source=TrendMD&utm_campaign=PeerJ_TrendMD_0&utm_medium=TrendMD)

Moura, P. H. A. G. Alves, S. J. da R. E Sousa, D. D. G. de S. Correa, C. N. Nunes, I. (2019). **Redescription of the tadpole of Thoropa taophora (Miranda-Ribeiro) (Anura: Cycloramphidae).** *Zootaxa*, 4656(2), pp.397-400.

<https://biotaxa.org/Zootaxa/article/view/zootaxa.4656.2.14>

Muñoz, A. Felicísmo, A. M. Santos, X. (2019). **Assessing the resistance of a breeding amphibian community to a large wildfire.** *Acta Oecologica*, 99, Article 103439.

<https://www.sciencedirect.com/science/article/pii/S1146609X1830451X>

Musah, Y. Ofori, B. Y. Attuquayefio, D. K. (2019). **Herpetofauna community diversity and composition of a changing coastal wetland in Ghana.** *West African Journal of Applied Ecology*, 27(1), pp.52-65.

<https://www.ajol.info/index.php/wajae/article/view/189194>

Myette, A. L. Hossie, T. J. Murray, D. L. (2019). **Defensive posture in a terrestrial salamander deflects predatory strikes irrespective of body size.** *Behavioral Ecology*, 30(4), arz137,

<https://academic.oup.com/beheco/advance-article-abstract/doi/10.1093/beheco/atz137/5550904>

O'Brien, D. M. Keogh, J. S. Silla, A. J. Byrne, P. G. (2019). **Female choice for related males in wild red-backed toadlets (*Pseudophryne coriacea*).** *Behavioral Ecology*, 30(4), pp.928–937.

<https://academic.oup.com/beheco/article-abstract/30/4/928/5425178?redirectedFrom=fulltext>

Ospina-L, A. M. Murillo-Bedoya, D. M. García-Cobos, D. Colón-Piñeiro, Z. Acosta-Galvis, A. (2019). **The advertisement call of Allobates niputidea (Anura: Aromobatidae).** *Zootaxa*, 4656(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4656.1.14>

Ossiboff, R. J. Towe, A. E. Brown, M. A. Longo, A. V. Lips, K. R. Miller, D. L. Carter, E. D. Gray, M. J. Frasca, S. Jr. (2019). **Differentiating Batrachochytrium dendrobatidis and B. salamandrivorans in amphibian chytridiomycosis using RNAScope® in situ hybridization.** *Frontiers in Veterinary Science*, Provisionally Accepted.

<https://www.frontiersin.org/articles/10.3389/fvets.2019.00304/abstract>

Padilla, P. Courant, J. Herrel, A. (2019). **Allocation trade-offs impact organ size and muscle architecture in an invasive population of Xenopus laevis in Western France.** *Journal of Anatomy*, Early View.

<http://www.anthonysterrel.fr/publications/Padilla%20et%20al%202019%20J%20Anat.pdf>

Páez, N. B. Ron, S. R. (2019). **Systematics of Huicundomantis, a new subgenus of Pristimantis (Anura, Strabomantidae) with extraordinary cryptic diversity and eleven new species.** *ZooKeys*, 868, pp.1–112.

<https://zookeys.pensoft.net/article/26766/>

Pan, T. Zhou, K. Zhang, S.-L. Shu, Y.-L. Zhang, J.-H. Li, E. Wang, M.-S. Yan, P. Wu, H.-L. (2019). **Effects of dispersal barriers and geographic distance on the genetic structure of a narrowly distributed frog in a spatially structured landscape.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/jzo.12730>

Pašukonis, A. Loretto, M.-C. Rojas, B. (2019). **How far do tadpoles travel in the rainforest? Parent-assisted dispersal in poison frogs.** *Evolutionary Ecology*, 33, pp.613–623.

<https://link.springer.com/article/10.1007/s10682-019-09994-z>

Pawlowski, S. Dammann, M. Weltje, L. Champ, S. Mathis, M. Fort, D. J. (2019). **Is normalized hindlimb length measurement in assessment of thyroid disruption in the amphibian metamorphosis assay relevant?** *Journal of Applied Toxicology*, 39(8), pp.1164-1172.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jat.3801>

Pereira, E. A. Folly, H. Lacerda, J. V. A. Rebouças, R. (2019). **Release call of Bokermannohyla ibitipoca Caramaschi & Feio, 1990 (Anura, Hylidae).** *Zootaxa*, 4656(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4656.1.13>

Peskov, V. N. Petrenko, N. A. Reminnyi, V. Y. (2019). **Size-At-Age Variability and Sexual Dimorphism of Morphometric Characteristics in the Late Ontogenesis of the Marsh Frog, Pelophylax Ridibundus (Anura, Ranidae), from Territory of Crimea.** *Vestnik Zoologii*, 53(4), pp.325–334.

[https://content.sciendo.com/configurable/contentpage/journals\\$002fvzoo\\$002f53\\$002f4\\$002farticle-p325.xml](https://content.sciendo.com/configurable/contentpage/journals$002fvzoo$002f53$002f4$002farticle-p325.xml)

Petrovan, S. O. Schmidt, B. R. (2019). **Neglected juveniles; a call for integrating all amphibian life stages in assessments of mitigation success (and how to do it).** *Biological Conservation*, 236, pp.252-260.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316306>

Phimphan, S. Aiumsumang, S. (2019). **Chromosomal characteristics of Taolor's stream frog (Limnonectes taylori) (Amphibia, Anura) from Thailand.** *The Nucleus*, Online, pp.1–5.

<https://link.springer.com/article/10.1007/s13237-019-00291-2>

Pintanel, P. Tejedo, M. Ron, S. R. Llorente, G. A. Merino-Viteri, A. (2019). **Elevational and microclimatic drivers of thermal tolerance in Andean Pristimantis frogs.** *Journal of Biogeography*, 46(8), pp.1664-1675.

<https://onlinelibrary.wiley.com/doi/full/10.1111/jbi.13596>

Plenderleith, T. L. Johnstone, C. D. Reina, R. D. Chapple, D. G. (2019). **Density is more important than predation risk for predicting growth and developmental outcomes in tadpoles of spotted tree frog, *Litoria spenceri* (Dubois 1984).** *Austral Ecology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12807>

Pollo, F. Bionda, C. Otero, M. Grenat, P. Babini, S. Flores, P. Grisolia, M. Salas, N. Martino, A. (2019). **Morphological abnormalities in natural populations of the common South American toad *Rhinella arenarum* inhabiting fluoride-rich environments.** *Ecotoxicology and Environmental Safety*, 177, pp.32-38.

<https://www.sciencedirect.com/science/article/pii/S0147651319303707>

Prasad, V. K. Dinesh, K. P. Das, A. Swamy, P. Shinde, A. D. Vishnu, J. B. (2019). **A New Species of *Sphaerotheca* Gunther, 1859 (Amphibia: Anura: Dicroidiidae) from the Agro Ecosystems of Chota Nagpur Plateau, India.** *Records of the Zoological Survey of India*, 119(3), pp.197-210.

<http://www.recordsofzsi.com/index.php/zsoi/article/view/132173>

Price, S. J. Leung, W. T. M. Owen, C. J. Puschendorf, R. Sergeant, C. Cunningham, A. A. Balloux, F. Garner, T. W. J. Nichols, R. A. (2019). **Effects of historic and projected climate change on the range and impacts of an emerging wildlife disease.** *Global Change Biology*, 25(8), pp.2648-2660.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.14651>

Pushchin, I. (2019). **Retinal ganglion cell topography and spatial resolution estimation in the Japanese tree frog *Hyla japonica* (Günther, 1859).** *Journal of Anatomy*, 235(2), Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/joa.13075>

Quah, E. S. H. Grismer, L. L. Wood, P. L. Jr. Thura, M. K. Oaks, J. R. Lin, A. (2019). **Discovery of the westernmost population of the genus *Ansonia* Stoliczka (Anura, Bufonidae) with the description of a new species from the Shan Plateau of eastern Myanmar.** *Zootaxa* 4656(3), pp.545-571.

<https://www.mapress.com/j/zt/article/view/zootaxa.4656.3.11>

Quiros, R. R. J. Alvarado, G. Estrella, J. Sommer, S. (2019). **Moving Beyond the Host: Unravelling the Skin Microbiome of Endangered Costa Rican Amphibians.** *Frontiers in Microbiology*, Provisionally Accepted.

<https://www.frontiersin.org/articles/10.3389/fmicb.2019.02060/abstract>

Rakotoarison, A. Scherz, M. D. Bletz, M. C. Razafindraibe, J. H. Glaw, F. Vences, M. (2019). **Description of the lucky Cophyla (Microhylidae, Cophylinae), a new arboreal frog from Marojejy National Park in north-eastern Madagascar.** *Zootaxa*, 4651 (2).

<https://www.mapress.com/j/zt/article/view/zootaxa.4651.2.4>

Ramírez, R. S. Mora, F. Quintero, E. (2019). **The use of geospatial data and Bayesian Networks to assess the risk status of Mexican amphibians.** *Global Ecology and Conservation*, In Press, e00735.

<https://www.sciencedirect.com/science/article/pii/S2351989418303792>

Reilly, S. B. Wake D. B. (2019). **Taxonomic revision of black salamanders of the Aneides flavipunctatus complex (Caudata: Plethodontidae).** *PeerJ* 7: e7370.

<https://peerj.com/articles/7370/>

Rivera-Ordonez, J. M. Nowakowski, A. J. Manansala, A. Thompson, M. E. Todd, B. D. (2019). **Thermal niche variation among individuals of the poison frog, Oophaga pumilio, in forest and converted habitats.** *Bio Tropica*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1111/btp.12691>

Rodríguez, C. Y. Bustos, D. A. Sanabria, E. A. (2019). **Adaptation of the Andean Toad Rhinella spinulosa (Anura: Bufonidae) at Low Temperatures: The Role of Glucose as Cryoprotectant.** *Physiological and Biochemical Zoology*, 92(5), pp.473-480.

<https://www.journals.uchicago.edu/doi/pdfplus/10.1086/705122>

Rojas-Hucks, S. Gutleb, A. C. González, C. M. Contal, S. Mehennaoui, K. Jacobs, A. Witters, H. E. Pulgar, J. (2019). **Xenopus laevis as a Bioindicator of Endocrine Disruptors in the Region of Central Chile.** *Archives of Environmental Contamination and Toxicology*, Online, pp.1–19.

<https://link.springer.com/article/10.1007/s00244-019-00661-6>

Rolland, J. Condamine, F. L. (2019). **The contribution of temperature and continental fragmentation to amphibian diversification.** *Journal of Biogeography*, 46(8), pp.1857-1873.

<https://onlinelibrary.wiley.com/doi/full/10.1111/jbi.13592>

Russell, R. E. Halstead, B. J. Mosher, B. A. Muths, E. Adams, M. J. Grant, E. H. C. Fisher, R. N. Kleeman, P. M. Backlin, A. R. Pearl, C. A. Honeycutt, R. K. Hossack, B. R. (2019). **Effect of amphibian chytrid fungus (*Batrachochytrium dendrobatidis*) on apparent survival of frogs and toads in the western USA.** *Biological Conservation*, 236, pp.296-304.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320719303003>

Sabino-Pinto, J. Rakotoarison, A. Bletz, M. C. Edmonds, D. Glaw, F. Vences, M. (2019). **A new species of the *Spinomantis bertini* species complex (Anura: Mantellidae) from Pic d'Ivohibe Special Reserve (Madagascar).** *Zootaxa*, 4656(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4656.1.6>

Saito, N. Nishimura, K. Makanae, A. Satoh, A. (2019). **Fgf- and Bmp-signaling regulate gill regeneration in *Ambystoma mexicanum*.** *Developmental Biology*, 452, pp.104-113.

<https://www.ncbi.nlm.nih.gov/pubmed/31034835>

Sakai, Y. Kusakabe, A. Tsuchida, K. Tsuzuku, Y. Okada, S. Kitamura, T. Tomita, S. Mukai, T. Tagami, M. Takagi, M. Yaoi, Y. Minamoto, T. (2019). **Discovery of an unrecorded population of Yamato salamander (*Hynobius vandenburghi*) by GIS and eDNA analysis.** *Environmental DNA*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/edn3.31>

Salehi, T. Akmali, V. Sharifi, M. (2019). **The soft-release of captive-born Kaiser's Mountain Newt *Neurergus kaiseri* (Amphibia: Caudata) into a highland stream, western Iran.** *Journal of Threatened Taxa*, 11(10), pp.14259–14267.

<https://threatenedtaxa.org/index.php/JoTT/article/view/4981/6395>

Sanches, P. R. Pedroso-Santos, F. Costa-Campo, C. E. (2019). **Diet of *Adenomera hylaedactyla* (Cope, 1868) (Anura: Leptodactylidae) from an urban area in southern Amapá, eastern Amazon.** *Herpetology Notes*, 12, pp.841-845.

<https://www.biota.org/hn/article/view/38501>

Sánchez-Montes, S. Isaak-Delgado, A. B. Guzmán-Cornejo, C. Rendón-Franco, E. Muñoz-García, C. I. Bermúdez, S. Morales-Díaz, J. Cruz-Romero, A. Romero-Salas, D. Dzul-Rosado, K. Lugo-Caballero, C. Colunga-Salas, P. Becker, I. (2019). **Rickettsia species in ticks that parasitize amphibians and reptiles: Novel report from Mexico and review of the worldwide record.** *Ticks and Tick-borne Diseases*, 10(5), pp.987-994.

<https://www.sciencedirect.com/science/article/abs/pii/S1877959X18302747>

Santa-Cruz, R. von May, R. Catenazzi, A. Whitcher, C. Tejeda, E. L. Rabosky, D. L. (2019). **A New Species of Terrestrial-Breeding Frog (Amphibia, Strabomantidae, Noblella) from the Upper Madre De Dios Watershed, Amazonian Andes and Lowlands of Southern Peru.** *Diversity*, 11, 0145, pp.1-20.

<https://www.mdpi.com/1424-2818/11/9/145>

Sauer, E. L. Trejo, N. Hoverman, J. T. Rohr, J. R. (2019). **Behavioural fever reduces ranaviral infection in toads.** *Functional Ecology*, Accepted Article.

<https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/1365-2435.13427>

Saura—Mas, S. Benejam, L. (2019). **Effects of the invasive crayfish Procambarus clarkii on growth and development of Pelophylax perezi tadpoles in field conditions.** *Animal Biodiversity & Conservation*, 42(2), pp.245-252.

<https://www.raco.cat/index.php/ABC/article/view/360079>

Schäfer, M. Tsekané, S. J. Tchassem, F. A. M. Drakulić, S. Kameni, M. Gonwouo, N. L. Rödel, M.-O. (2019). **Goliath frogs build nests for spawning – the reason for their gigantism?** *Journal of Natural History*, 53(21-22), pp.1263-1276.

<https://tandfonline.com/doi/full/10.1080/00222933.2019.1642528>

Scheele, B. C. Foster, C. N. Hunter, D. A. Lindenmayer, D. B. Heard, G. W. (2019). **Living with the enemy: Facilitating amphibian coexistence with disease.** *Biological Conservation*, 236, pp.52-59.

<https://www.sciencedirect.com/science/article/abs/pii/S000632071831615X>

Schmidt, B. R. Arlettaz, R. Schaub, M. Lüscher, B. Kröpfli, M. (2019). **Benefits and limits of comparative effectiveness studies in evidence-based conservation.** *Biological Conservation*, 236, Online, pp. 115-123.

<https://www.sciencedirect.com/science/article/abs/pii/S000632071831632X>

Scroggie, M. P. Preece, K. Nicholson, E. McCarthy, M. A. Parris, K. M. Heard, G. W. (2019). **Optimizing habitat management for amphibians: From simple models to complex decisions.** *Biological Conservation*, 236, pp.60-69.

<https://www.sciencedirect.com/science/article/abs/pii/S000632071831629X>

Shyla, G. Vineethkumar, T. V. Arun, V. Divya, M. P. Thomas, S. George, S. (2019). **Functional characterization of two novel peptides and their analogs identified from the skin secretion of Indosylvirana aurantiaca, an endemic frog species of Western Ghats, India.** *Chemoecology*, Online, pp.1–9.

<https://link.springer.com/article/10.1007/s00049-019-00287-z>

Silva-Soares, T. Segadilha, J. L. Braga, R. B. Clarkson, B. (2019). **Necrophagy on Rhinella granulosa (Amphibia, Anura, Bufonidae) by the aquatic beetle families Hydrophilidae and Dytiscidae (Insecta, Coleoptera) in Caatinga environment, Northeastern Brazil.** *Herpetology Notes*, 12, pp.869-872.

<https://www.biotaxa.org/hn/article/viewFile/43969/50495>

Slater, R. T. Hanna, A. Finch, N. Pessier, A. P. Logsdon, M. (2019). **Radiographic and ultrasonographic appearance of pneumonia in a frog.** *Veterinary Radiology & Ultrasound*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/vru.12796>

Smalling, K. L. Eagles-Smith, C. A. Katz, R. A. Grant, E. H. C. (2019). **Managing the trifecta of disease, climate, and contaminants: Searching for robust choices under multiple sources of uncertainty.** *Biological Conservation*, 236, pp.153-161.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316082>

Sterrett, S. C. Katz, R. A. Brand, A. B. Fields, W. R. Grant, E. H. C. (2019). **Proactive management of amphibians: Challenges and opportunities.** *Biological Conservation*, 236, pp.404-410.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316136>

Sunny, A. Caballero-Viñas, C. Duarte-de Jesus, L. Ramírez-Corona, F. Manjarrez, J. González-Desales, G. Pacheco, X. P. Monroy-Vilchis, O. González-Fernández, A. (2019). **Natural history of the critically endangered salamander Pseudoeurycea robertsi.** *PeerJ*, Pre-prints.

<https://peerj.com/preprints/27911.pdf>

Svinin, A. O. Bashinskiy, I. V. Litvinchuk, S. N. Neymark, L. A. Osipov, V. V. Katsman, E. A. Ermakov, O. A. Ivanov, A. Y. Vedernikov, G. P. Drobot, G. P. Dubois, A. (2019). **First record of the Jean Rostand's "anomaly P" in the marsh frog, Pelophylax ridibundus, in central Russia.** *Alytes*, 37(1–2), pp.31–45.

[https://www.researchgate.net/profile/Anton\\_Svinin2/publication/335107022\\_First\\_record\\_of\\_the\\_Jean\\_Rostand's\\_anomaly\\_P\\_in\\_the\\_marsh\\_frog\\_Pelophylax\\_ridibundus\\_in\\_central\\_Russia/links/5d51721da6fdcc370a8f95c5/First-record-of-the-Jean-Rostands-anomaly-P-in-the-marsh-frog-Pelophylax-ridibundus-in-central-Russia.pdf](https://www.researchgate.net/profile/Anton_Svinin2/publication/335107022_First_record_of_the_Jean_Rostand's_anomaly_P_in_the_marsh_frog_Pelophylax_ridibundus_in_central_Russia/links/5d51721da6fdcc370a8f95c5/First-record-of-the-Jean-Rostands-anomaly-P-in-the-marsh-frog-Pelophylax-ridibundus-in-central-Russia.pdf)

Swartz, L. K. Lowe, W. H. Muths, E. Hossack, B. R. (2019). **Species-specific responses to wetland mitigation among amphibians in the Greater Yellowstone Ecosystem.** *Restoration Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.13031>

Takagi, K. Miyashita, T. (2019). **Larval Prey Preference of Pond-breeding salamander *Hynobius tokyoensis* Living in a Stream.** *Current Herpetology* 38(2), pp.115–121.

<https://bioone.org/journals/current-herpetology/volume-38/issue-2/hsj.38.115/Larval-Prey-Preference-of-Pond-breeding-salamander-Hynobius-tokyoensis-Living/10.5358/hsj.38.115.full>

Takeuchi, H. Hojo, T. Kajino, M. Tosano, N. (2019). **Feeding Habits of the Japanese Rice Frog, *Fejervarya kawamurai*, as an Invasive Species.** *Current Herpetology*, 38(2):187-189.

<https://bioone.org/journals/Current-Herpetology/volume-38/issue-2/hsj.38.187/Feeding-Habits-of-the-Japanese-Rice-Frog-Fejervarya-kawamurai-as/10.5358/hsj.38.187.short>

Thomas, V. Wang, Y. Van Rooij, P. Verbrugghe, E. Baláž, V. Bosch, J. Cunningham, A. A. Fisher, M. C. Garner, T. W. J. Gilbert, M. J. Grasselli, E. Kinet, T. Laudelout, A. Lötters, S. Loyau, A. Miaud, C. Salvidio, S. Schmeller, D. S. Schmidt, B. R. Spitzen-van der Sluijs, A. Steinfartz, S. Veith, M. Vences, M. Wagner, N. Canessa, S. Martel, A. Pasmans, F. (2019). **Mitigating Batrachochytrium salamandrivorans in Europe.** *Amphibia-Reptilia* (2019) DOI:10.1163/15685381-20191157  
brill.com/amre

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191157.xml>

Tominaga, A. Matsui, M. Tanabe, S. Nishikawa, K. (2019). **A revision of *Hynobius stejnegeri*, a lotic breeding salamander from western Japan, with a description of three new species (Amphibia, Caudata, Hynobiidae).** *Zootaxa*, 4651(3), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4651.3.1>

Tong, Q. Zhang, J. T. (2019). **Effects of Captivity and Season on the Gut Microbiota of the Brown Frog (*Rana dybowskii*).** *Frontiers in Microbiology*, Online.

<https://www.frontiersin.org/articles/10.3389/fmicb.2019.01912/abstract>

Valencia, J. Valladares, F. Tipantiza-Tuguminago, L. Dueñas, M. R. (2019). **A new species of terrestrial-breeding frog of the genus *Pristimantis* (Anura:Terrarana: Craugastoridae) from the eastern Andean slopes of the southern Ecuador.** *Zootaxa* 4658(3), pp.509-525.

[https://www.researchgate.net/publication/335198498\\_A\\_new\\_species\\_of\\_terrrestrial-breeding\\_frog\\_of\\_the\\_genus\\_Pristimantis\\_AnuraTerrarana\\_Craugastoridae\\_from\\_the\\_eastern\\_Andean\\_slopes\\_of\\_the\\_southern\\_Ecuador](https://www.researchgate.net/publication/335198498_A_new_species_of_terrrestrial-breeding_frog_of_the_genus_Pristimantis_AnuraTerrarana_Craugastoridae_from_the_eastern_Andean_slopes_of_the_southern_Ecuador)

Valero, K. C. W. Marshall, J. C. Bastiaans, E. Caccone, A. Camargo, A. Morando, M. Niemiller, M. L. Pabijan, M. Russello, M. A. Sinervo, B. Werneck, F. P. Sites, J. W. Jr. Wiens, J. J. Steinfartz, S. (2019). **Patterns, Mechanisms and Genetics of Speciation in Reptiles and Amphibians.** *Genes* 10(9), 646;

<https://www.mdpi.com/2073-4425/10/9/646>

Vanek, J. P. King, R. B. Glowacki, G. A. (2019). **Landscape and management factors influence the occupancy dynamics of sympatric salamanders in an urban preserve system.** *Global Ecology and Conservation*, In Press, e00742.

<https://www.sciencedirect.com/science/article/pii/S2351989419302136>

Vershinin, V. L. Sitnikov, I. A. Vershinina, S. D. Trofimov, A. G. Lebedinskyl, A. A. Miura, J. (2019). **Mitochondrial Heteroplasmy in Marsh Frog (*Pelophylax ridibundus* Pallas, 1771).** *Russian Journal of Genetics*, 55(8), pp.1041–1045.

<https://link.springer.com/article/10.1134/S1022795419080179>

Webb, R. J. Berger, L. Skerratt, L. F. Roberts, A. A. (2019). **A rapid and inexpensive viability assay for zoospores and zoosporangia of Batrachochytrium dendrobatidis.** *Journal of Microbiological Methods*, In Press.

<https://www.sciencedirect.com/science/article/pii/S0167701219306645>

Xie, Z. Zhang, H. Zhang, P. Li, Q. & Zhang, R. (2019). **Comparative morphology and histology of the brain in Chinese toad (*Bufo gargarizans*) and Chinese fire-billed newt (*Cynops orientalis*).** *International Journal of Morphology*, 37(3), pp.1172-1178.

[http://www.intjmorphol.com/wp-content/uploads/2019/07/art\\_60\\_373.pdf](http://www.intjmorphol.com/wp-content/uploads/2019/07/art_60_373.pdf)

Xu, F. Yang, W. Li, Y. (2019). **Enlarged Egg Size Increases Offspring Fitness of a Frog Species on the Zhoushan Archipelago of China.** *Scientific Reports*, 9, Article number: 11653.

<https://www.nature.com/articles/s41598-019-48147-8.pdf>

Zhang, H. Wang, F. Y. Jia, R. Hao, J. Du, J. Niu, Y. Han, S. Deng, R. Zhang, G. (2019). **Rapid Detection of Giant Salamander Iridovirus by Cross-priming Amplification.** *Journal of Virological Methods*, Journal Pre-proof, 113678.

<https://www.sciencedirect.com/science/article/abs/pii/S0166093419301260>

Zheng, Y. (2019). **The co-occurrence of loose skin and underwater calling in frogs—further evidence from Amolops ricketti and its implications.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/jzo.12722>

Zumbado-Ulate, H. Nelson, K. N. García-Rodríguez, A. Chaves, G. Arias, E. Bolaños, F. Whitfield, S. M. Searle, C. L. (2019). **Endemic Infection of Batrachochytrium dendrobatidis in Costa Rica: Implications for Amphibian Conservation at Regional and Species Level.** *Diversity*, 11(8), 129.

<https://doi.org/10.3390/d11080129>

## September

Alibardi, L. (2019). **Cerebrospinal fluid-contacting neurons in the regenerating spinal cord of lizards and amphibians are likely mechanoreceptors.** *Journal of Morphology*, 280(9), pp.1292-1308.

<https://www.ncbi.nlm.nih.gov/pubmed/31233249>

Amador, L. Soto-Gamboa, M. Guayasamin, J. M. (2019). **Integrating alpha, beta, and phylogenetic diversity to understand anuran fauna along environmental gradients of tropical forests in western Ecuador.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5593>

Anderson, T. L. Stemp, K. M. Ousterhout, B. H. Burton, D. Davenport, J. M. (2019). **Impacts of phenological variability in a predatory larval salamander on pond food webs.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/10.1111/jzo.12733>

Arısoy, A. G. Başkale, E. (2019). **Body size, age structure and survival rates in two populations of the Beyşehir frog Pelophylax caralitanus.** *Herpetozoa* 32, pp.195–201.

<https://herpetozoa.pensoft.net/article/35772/>

Ascoli-Morrete, T. Signor, E. Santos-Pereira, M. Zanella, N. (2019). **Morphological abnormalities in anurans from southern Brazil.** *Austral Ecology*, 44(6), pp.1025-1029.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12769>

Atlas, J. E. Fu, J. (2019). **Isolation by resistance analysis reveals major barrier effect imposed by the Tsinling Mountains on the Chinese wood frog.** *Journal of Zoology*, 309(1), pp.69-75.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/jzo.12702>

Awkerman, J. Raimondo, S. Schmolke, A. Galic, N. Rueda-Cediel, P. Kapo, K. Accolla, C. Vaugeois, M. Forbes, V. (2019). **Guidance for developing amphibian population models for ecological risk assessment.** *Integrated Environmental Assessment and Management*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/ieam.4215>

Babalola, O. O. Truter, J. C. Wyk, J. H. (2019). **Mortality, teratogenicity and growth inhibition of three glyphosate formulations using Frog Embryo Teratogenesis Assay-Xenopus.** *Journal of Applied Toxicology*, 39(9), pp.1257-1266.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jat.3811>

Baldo, D. Araujo-Vieiral, K. Cardozol, D. Borteiro, C. Leal, F. Pereyra, M. O. Kolenc, F. Lyra, M. L. Garcia, P. C. A. Haddad, C. F. B. Faivovich, J. (2019). **A review of the elusive bicolored iris Snouted Treefrogs (Anura: Hylidae:Scinax uruguayus group).** *PLoS One*, DOI: 10.1371/journal.pone.0222131.

[https://www.researchgate.net/publication/336043605\\_A\\_review\\_of\\_the\\_elusive\\_bicolored\\_iris\\_Snouted\\_Treefrogs\\_Anura\\_Hylidae\\_Scinax\\_uruguayus\\_group](https://www.researchgate.net/publication/336043605_A_review_of_the_elusive_bicolored_iris_Snouted_Treefrogs_Anura_Hylidae_Scinax_uruguayus_group)

Barreto, G. S. Del Grande, M. L. Napoli, M. F. Garda, A. A. Juncá, F. A. (2019). **The tadpole of Scinax camposseabrai (Bokermann) (Amphibia, Anura, Hylidae).** *BioRxiv*, 4674(3), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4674.3.8>

Bell, R. C. Irian, C. G. (2019). **Phenotypic and genetic divergence in reed frogs across a mosaic hybrid zone on São Tomé Island.** *Biological Journal of the Linnean Society*, blz131.

<https://doi.org/10.1093/biolinnean/blz131>

Bernard, R. F. Grant, E. H. C. (2019). **Identifying Common Decision Problem Elements for the Management of Emerging Fungal Diseases of Wildlife.** *Society & Natural Resources*, 32(9), pp.1040-1055.

<https://www.tandfonline.com/doi/abs/10.1080/08941920.2019.1610820?journalCode=usnr20>

Biju, S. D. Garg, S. Kamei, R. G. Maheswaran, G. (2019). **A new Microhyla species (Anura: Microhylidae) from riparian evergreen forest in the eastern Himalayan state of Arunachal Pradesh, India.** *Zootaxa*, 4674(1), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4674.1.5>

Bissell, K. E. Cecala, K. K. (2019). **Increased interspecific aggression between Appalachian stream salamanders at elevated temperatures.** *Freshwater Science*, 38(4):000–000.

<https://www.journals.uchicago.edu/doi/pdfplus/10.1086/705995>

Bolom-Huet, R. Pineda, E. Díaz-Fleischer, F. Muñoz-Alonso, A. L. Galindo-González, J. (2019). **Known and estimated distribution in Mexico of Batrachochytrium dendrobatidis, a pathogenic fungus of amphibians.** *BioTropica*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/btp.12697>

Bossuyt, F. Schulte, L. M. Maex, M. Janssenswillen, S. Novikova, P. Y. Biju, S. D. Van De Peer, Y. Matthijs, S. Roelants, K. Martel, A. Van Bocxlaer, I. (2019). **Multiple Independent Recruitment of Sodefrin Precursor-Like Factors in Anuran Sexually Dimorphic Glands.** *Molecular Biology and Evolution*, 36(9), pp.1921-1930.

<https://www.semanticscholar.org/paper/Multiple-Independent-Recruitment-of-Sodefrin-in-Bossuyt-Schulte/bcdd6906960ff63b07c0090b9c4d1a729b7226c2>

Bradley, P. W. Snyder, P. W. Blaustein, A. R. (2019). **Host age alters amphibian susceptibility to Batrachochytrium dendrobatidis, an emerging infectious fungal pathogen.** *PLoS One*, 0222181, pp.1-17.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222181>

Brenes-Soto, A. Dierenfeld, E. S. Muñoz-Saravia, A. Janssens, G. P. J. (2019). **No longer a leap in the dark: the importance of protein as an energy source in amphibians.** *Wildlife Biology*, 1, wlb.00551, pp.2-9.

<https://bioone.org/journals/Wildlife-Biology/volume-2019/issue-1/wlb.00551/No-longer-a-leap-in-the-dark--the-importance/10.2981/wlb.00551.full>

Byrne, A. Q. Vredenburg, V. T. Marel, A. Pasmans, F. Bell, R. C. Blackburn, D. C. Bletz, M. C. Bosch, J. Briggs, C. J. Brown, R. M. Catenazzi, A. López, M. F. Figueroa-Valenzuela, R. Ghose, S. L. Jaeger, J. R. Jani, A. J. Jirku, M. Knapp, R. A. Muñoz, A. Portik, D. M. Richards-Zawacki, C. L. Rockney, H. Rovito, S. M. Stark, T. Sulaeman, H. Tao, N. T. Voyles, J. Waddle, A. W. Yuan, Z. Rosenblum, E. B. (2019). **Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation.** *PNAS*, Early View.

<https://www.pnas.org/content/pnas/early/2019/09/17/1908289116.full.pdf>

Cameron, M. S. Donald, J. A. (2019). **Different vasodilator mechanisms in intermediate- and small-sized arteries from the hindlimb vasculature of the toad.** *American Journal of Physiology. Regulatory, Integrative and Comparative Physiology*, 317(3), pp. R379-R385.

<https://physiology.org/doi/abs/10.1152/ajpregu.00319.2018?af=R&>

Canavero, A. Arim, M. Pérez, F. Jaksic, F. M. Marquet, P. A. (2019). **Phenological modularity in amphibian calling behaviour: Geographic trends and local determinants.** *Austral Ecology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12819>

Carter, E. D. Miller, D. L. Peterson, A. C. Sutton, W. B. Cusaac, J. P. W. Spatz, J. A. Rollins-Smith, L. Reinert, L. Bohanon, M. Williams, L. A. Upchurch, A. Gray, M. J. (2019). **Conservation risk of Batrachochytrium salamandrivorans to endemic lungless salamanders.** *Conservation Letters*, e12675.

<https://conbio.onlinelibrary.wiley.com/doi/pdf/10.1111/conl.12675>

Clay, T. A. Steffen, M. A. Treglia, M. L. Torres, C. D. Trujano-Alvarez, A. L. Bonett, R. M. (2019). **Multiple stressors produce differential transcriptomic patterns in a stream-dwelling salamander.** *BMC Genomics*, 20(482), pp.1-13. DOI:10.1186/s12864-019-5814-y.

<https://bmcbioinformatics.biomedcentral.com/articles/10.1186/s12864-019-5814-y>

Coêlho, T. A. De Souza, D. C. Kawashita-Ribeiro, R. A. (2019). **Amblyomma ticks (Acari: Ixodidae) parasitizing Rhinella major in the eastern Amazon.** *International Journal of Acarology*, ISSN: 1945-3892

<https://www.tandfonline.com/doi/full/10.1080/01647954.2019.1668057>

Cooper, R. D. Shaffer, H. B. (2019). **Allele Specific Expression and Gene Regulation Explain Transgressive Thermal Tolerance in Non-native Hybrids of the Endangered California Tiger Salamander (*Ambystoma californiense*).** *BioRxiv*, Online.

<https://doi.org/10.1101/772020>

Courant, J. Adil, L. De Kegel, B. Adriaens, D. Herrel, A. (2019). **Conserved growth rate and age structure of *Xenopus laevis* in the edge and core of an expanding population.** *Biological Journal of the Linnean Society*, 128(1), pp. 122–129.

[https://www.researchgate.net/publication/334290353\\_Conversed\\_growth\\_rate\\_and\\_age\\_structure\\_of\\_Xenopus\\_laevis\\_in\\_the\\_edge\\_and\\_core\\_of\\_an\\_expanding\\_population](https://www.researchgate.net/publication/334290353_Conversed_growth_rate_and_age_structure_of_Xenopus_laevis_in_the_edge_and_core_of_an_expanding_population)

da Costa, M. Dias, E. A. dos R. (2019). **Comportamento territorial, vocalização e biologia reprodutiva de Allobates olfersioides (Anura: Aromobatidae) Sidieres.** *Iheringia Série Zoologia*, e-ISSN 1678-4766.

<http://www.scielo.br/pdf/isz/v109/1678-4766-isz-109-e2019031.pdf>

DeBlieux, T. S. Hoverman, J. T. (2019). **Parasite-induced vulnerability to predation in larval anurans.** *Diseases of Aquatic Organisms*, 135, pp.241–250.

<https://doi.org/10.3354/dao03396>

De Carvalho, T. R. Angulo, A. Kokubum, M. N. C. Barrera, D. A. De Souza, M. B. Haddad, C. F. B. Giaretta, A. A. (2019). **A New Cryptic Species of the Adenomera andreae Clade from Southwestern Amazonia (Anura, Leptodactylidae).** *Herpetologica*, 75(3), pp.233-246.

<https://bioone.org/journals/Herpetologica/volume-75/issue-3/D-18-00049/A-New-Cryptic-Species-of-the-Adenomera-andreae-Clade-from/10.1655/D-18-00049.short>

Della Gaspera, B. Mateus, A. Andéol, Y. Weill, L. Charbonnier, F. Chanoine, C. (2019). **Lineage tracing of sclerotome cells in amphibian reveals that multipotent somitic cells originate from lateral somitic frontier.** *Developmental Biology*, 453(1), pp.11-18.

<https://www.sciencedirect.com/science/article/pii/S0012160618307772>

Demaya, G. S. Mungu, M. K. Dendi, D. Di Vittorio, M. Luiselli, L. (2019). **A Preliminary Study on the Amphibian Community Structure in South Sudan (East Africa).** *Russian Journal of Herpetology*, 26(4), In Press.

<http://www.rjh.folium.ru/index.php/rjh/article/view/1453>

Deryusheva, S. Talhouarne, G. J. S. Gall, J. G. (2019). **'Lost and Found': snoRNA annotation in the Xenopus genome and implications for evolutionary studies.** *Molecular Biology and Evolution*, msz209.

<https://academic.oup.com/mbe/advance-article/doi/10.1093/molbev/msz209/5564192>

Dias, P. H. S. Araujo-Vieira, K. Santos, R. F. Both, C. (2019). **Review of the Internal Larval Anatomy of the Proceratophrys bigibbosa Species Group (Anura: Odontophrynidae), with Description of the Tadpole of P. brauni Kwet and Faivovich, 2001.** *Copeia*, 107(3), pp.417-429.

<https://www.asihcopeiaonline.org/doi/abs/10.1643/CH-18-138>

Dias-Souza, M. R. Esteves-Silva, P. H. Guedes-Lima, P. H. Barbosa-Figueiredo, V. A. M. Costa-Campos, C. E. (2019). **Predation on the Lesser Treefrog Dendropsophus cf. minutus (Anura: Hylidae) by a nymph of Lethocerus sp. (Hemiptera: Belostomatidae) in the eastern Amazon, Brazil, including a list of predation events.** *Alytes*, 37(1–2), pp.63–66.

[https://www.researchgate.net/profile/Pedro\\_Hugo\\_Esteves\\_Silva/publication/336287991\\_Predation\\_on\\_the\\_Lesser\\_Treefrog\\_Dendropsophus\\_cf\\_minutus\\_Anura\\_Hylidae\\_by\\_a\\_nymph\\_of\\_Lethocerus\\_sp\\_Hemiptera\\_Belostomatidae\\_in\\_the\\_eastern\\_Amazon\\_Brazil\\_including\\_a\\_list\\_of\\_predation\\_events/links/5d9a54a4458515c1d39c3fff/Predation-on-the-Lesser-Treefrog-Dendropsophus-cf-minutus-Anura-Hylidae-by-a-nymph-of-Lethocerus-sp-Hemiptera-Belostomatidae-in-the-eastern-Amazon-Brazil-including-a-list-of-predation-events.pdf](https://www.researchgate.net/profile/Pedro_Hugo_Esteves_Silva/publication/336287991_Predation_on_the_Lesser_Treefrog_Dendropsophus_cf_minutus_Anura_Hylidae_by_a_nymph_of_Lethocerus_sp_Hemiptera_Belostomatidae_in_the_eastern_Amazon_Brazil_including_a_list_of_predation_events/links/5d9a54a4458515c1d39c3fff/Predation-on-the-Lesser-Treefrog-Dendropsophus-cf-minutus-Anura-Hylidae-by-a-nymph-of-Lethocerus-sp-Hemiptera-Belostomatidae-in-the-eastern-Amazon-Brazil-including-a-list-of-predation-events.pdf)

Doherty-Bone, T. M. Cunningham, A. A. Fisher, M. C. Garner, T. W. J. Ghosh, P. Gower, D. J. Verster, R. Weldon, C. (2019). **Amphibian chytrid fungus in Africa – realigning hypotheses and the research paradigm.** *Animal Conservation*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/full/10.1111/acv.12538>

Eakin, C. Calhoun, A. J. K. Hunter, M. L. Jnr. (2019). **Indicators of wood frog (*Lithobates sylvaticus*) condition in a suburbanizing landscape.** *Ecosphere*, 10(9), Article e02789.

<https://esajournals.onlinelibrary.wiley.com/doi/pdf/10.1002/ecs2.2789>

Earl, J. E. (2019). **Evaluating the assumptions of population projection models used for conservation.** *Biological Conservation*, 237, pp.145–154.

<https://www.sciencedirect.com/science/article/abs/pii/S0006320718316380>

Erős, N. Malos, C. Horváth, C. Hartel, T. (2019). **Temporary pond loss as a result of pasture abandonment: exploring the social-ecological drivers and consequences on amphibians.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/09/01/751248.full.pdf>

Evans, B. J. Gansauge, M.-T. Stanley, E. L. Furman, B. L. S. Cauret, C. M. S. Ofori-Boateng, C. Gvoždík, V. Streicher, J. W. Greenbaum, E. Tinsley, R. C. Meyer, M. Blackburn, D. C. (2019). **Xenopus fraseri: Mr. Fraser, where did your frog come from?** *PLoS One*, Online.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0220892&type=printable>

Fischer, E. K. O'Connel, L. A. (2019). **Hormonal and neural correlates of care in active versus observing poison frog parents.** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/biorxiv/early/2019/09/11/765503.full.pdf>

Fonseca, E. M. Werneck, F. P. Gehara, M. Oliveira, E. F. Magalhães. F. de M. Lanna, F. M. Lima, G. S. Marques, R. Mesquita, D. O. Costa, G. C. Colli, G. R. Garda, A. A. (2019). **The role of strict nature reserves in protecting genetic diversity in a semiarid vegetation in Brazil.** *Biodiversity and Conservation*, 28(11), pp.2877–2890.

<https://link.springer.com/article/10.1007/s10531-019-01802-y>

Forsburg, Z. R. Goff, C. B. Perkins, H. R. Robicheaux, J. A. Almond, G. F. Gabor, C. R. (2019). **Validation of water-borne cortisol and corticosterone in tadpoles: Recovery rate from an acute stressor, repeatability, and evaluating rearing methods.** *General and Comparative Endocrinology*, 281, pp.145-152.

<https://www.sciencedirect.com/science/article/pii/S0016648018306968>

Forti, L. R. Haddad, C. F. B. Leite, F. Drummond, L. de O. de Assis, C. Crivellari, L. B. Mello, C. M. Garcia, P. C. A. Zornosa-Torres, C. Toledo, L. F. (2019). **Notes on vocalizations of Brazilian amphibians IV: advertisement calls of 20 Atlantic Forest frog species.** *PeerJ*, 7: e7612.

<https://peerj.com/articles/7612.pdf>

Franco-Mena, D. Reyes-Puig, J. P. Yáñez-Muñoz, M. H. (2019). **Pristimantis tinguichaca Brito, Ojala-Barbour, Batallas & Almendariz, 2016 (Anura, Strabomantidae): range extension and notes on variation in color pattern.** *Check List* 15(5), pp.857-862.

<https://checklist.pensoft.net/article/36317/>

French, C. M. Deutsch, M. S. Chávez, G. Almora, C. E. Brown, J. L. (2019). **Speciation with introgression: Phylogeography and systematics of the Ameerega petersi group (Dendrobatidae).** *Molecular Phylogenetics and Evolution*, 138, pp.31-42.

<https://www.sciencedirect.com/science/article/pii/S1055790319300107>

Furtado, R. Lermen, L. N. Márquez, R. Hartz, S. M. (2019). **Neotropical dancing frog: the rich repertoire of visual displays in a hylodine species.** *Journal of Ethology*, 37(3), pp.291-300.

<https://link.springer.com/article/10.1007/s10164-019-00600-x>

Gentsch, G. E. Spruce, T. Owens, N. D. L. Smith, J. C. (2019). **Maternal pluripotency factors initiate extensive chromatin remodelling to predefine first response to inductive signals.** *Nature Communications*, 10,4269, pp.1-22.

<https://www.nature.com/articles/s41467-019-12263-w.pdf?origin=ppub>

Going, K. Wilcoxon, T. E. (2019). **Innate immunity and antioxidant costs of low temperatures in native green treefrogs (*Hyla cinerea*) and invasive tropical Cuban treefrogs (*Osteopilus septentrionalis*).** *BIOS*, 89(4), pp.185-191.

<https://bioone.org/journals/BIOS/volume-89/issue-4/0005-3155-89.4.185/---Custom-HTML---Innate/10.1893/0005-3155-89.4.185.short>

Goldberg, S. R. (2019). **Notes on Reproduction of Crarfish Frogs, *Lithobates areolatus* (Anura: Ranidae) from Oklahoma.** *Bulletin of the Chicago Herpetological Society* 54(9), pp.181-183.

[https://www.researchgate.net/profile/Stephen\\_Goldberg/publication/336106826\\_B\\_tr\\_I\\_I\\_et\\_in\\_o'the\\_Chicago\\_Herpetological\\_Society\\_5\\_19\\_18\\_I-I-3\\_2\\_0\\_I\\_9\\_Notes\\_on\\_Reproduction\\_of\\_Crarfish\\_Frogs\\_Lithobutes\\_areolatus\\_Anura\\_Ranidae\\_fiom\\_Oklahoma/links/5d8e4b03458515202b6f2c95/B-tr-I-I-et-in-o-t-h-e-Ch-icogo-H-erpetologi-t-a-l-Society-5-I-9-1-8-I-I-3-2-0-I-9-Notes-on-Reproduction-of-Crarfish-Frogs-Lithobutes-sreolatus-Anura-Ranidae-fiom-Oklahoma.pdf](https://www.researchgate.net/profile/Stephen_Goldberg/publication/336106826_B_tr_I_I_et_in_o'the_Chicago_Herpetological_Society_5_19_18_I-I-3_2_0_I_9_Notes_on_Reproduction_of_Crarfish_Frogs_Lithobutes_areolatus_Anura_Ranidae_fiom_Oklahoma/links/5d8e4b03458515202b6f2c95/B-tr-I-I-et-in-o-t-h-e-Ch-icogo-H-erpetologi-t-a-l-Society-5-I-9-1-8-I-I-3-2-0-I-9-Notes-on-Reproduction-of-Crarfish-Frogs-Lithobutes-sreolatus-Anura-Ranidae-fiom-Oklahoma.pdf)

Gredar, T. Leonardi, A. Novak, M. Sepčić, K. Mali, L. B. Križaj, I. Kostanjšek, R. (2019). **Vitellogenin in the European cave salamander, *Proteus anguinus*: Its characterization and dynamics in a captive female as a basis for non-destructive sex identification.** *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 235, pp.30-37.

[https://www.researchgate.net/publication/333596698\\_Vitellogenin\\_in\\_the\\_European\\_cave\\_salamander\\_Proteus\\_anguinus\\_Its\\_characterization\\_and\\_dynamics\\_in\\_a\\_captive\\_female\\_as\\_a\\_basis\\_for\\_non-destructive\\_sex\\_identification](https://www.researchgate.net/publication/333596698_Vitellogenin_in_the_European_cave_salamander_Proteus_anguinus_Its_characterization_and_dynamics_in_a_captive_female_as_a_basis_for_non-destructive_sex_identification)

Green, F. B. East, A. G. Salice, C. J. (2019). **Will temperature increases associated with climate change potentiate toxicity of environmentally relevant concentrations of chloride on larval green frogs (*Lithobates clamitans*)?** (Book review). *Science of The Total Environment*, 682, C, pp.282-290.

<https://www.sciencedirect.com/science/article/pii/S0048969719320297>

Greener, M. S. Hutton, E. Pollock, C. J. Wilson, A. Lam, C. Y. Nokhbatolfoghahai, M. Jowers, M. J. Downie, J. R. (2019). **Sexual dichromatism in the neotropical genus *Mannophryne* (Anura: Aromobatidae).** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/biorxiv/early/2019/09/16/771287.full.pdf>

Guerrero-Gómez, A. Zamora-Marín, J. M. Torralva, M. Oliva-Paterna, F. J. (2019). **Ciclo de vida de Alytes dickhilleni Arntzen & García-París, 1995 (Anura: Alytidae) y batracofauna acompañante encuerpos de agua de interés para su conservación en la Región de Murcia (SE España)**. *Anales de Biología* 41, pp.55-67.

[https://www.researchgate.net/profile/Jose\\_Zamora\\_Marin/publication/335715069\\_Ciclo\\_de\\_vida\\_de\\_Alytes\\_dickhilleni\\_Arntzen\\_Garcia-Paris\\_1995\\_Anura\\_Alytidae\\_y\\_batracofauna\\_acompanante\\_en\\_cuerpos\\_de\\_agua\\_de\\_interes\\_para\\_su Conservacion\\_en\\_la\\_Region\\_de\\_Murcia\\_SE\\_Espana/links/5d7758f1a6fdcc9961bcb354/Ciclo-de-vida-de-Alytes-dickhilleni-Arntzen-Garcia-Paris-1995-Anura-Alytidae-y-batracofauna-acompanante-en-cuerpos-de-agua-de-interes-para-su-conservacion-en-la-Region-de-Murcia-SE-Espana.pdf](https://www.researchgate.net/profile/Jose_Zamora_Marin/publication/335715069_Ciclo_de_vida_de_Alytes_dickhilleni_Arntzen_Garcia-Paris_1995_Anura_Alytidae_y_batracofauna_acompanante_en_cuerpos_de_agua_de_interes_para_su Conservacion_en_la_Region_de_Murcia_SE_Espana/links/5d7758f1a6fdcc9961bcb354/Ciclo-de-vida-de-Alytes-dickhilleni-Arntzen-Garcia-Paris-1995-Anura-Alytidae-y-batracofauna-acompanante-en-cuerpos-de-agua-de-interes-para-su-conservacion-en-la-Region-de-Murcia-SE-Espana.pdf)

Guzy, J. Halloran, K. Homyack, J. Thornton-Frost, J. E. Willson, J. D. (2019). **Differential responses of amphibian and reptile assemblages to size of riparian buffers within managed forests**. *Ecological Applications*, Accepted Article.

<https://esajournals.onlinelibrary.wiley.com/doi/abs/10.1002/eap.1995>

Hammond, T. T. Blackwood, P. E. Shablin, S. A. Richards-Zawacki, C. L. (2019). **Relationships between glucocorticoids and infection with Batrachochytrium dendrobatidis in three amphibian species**. *General and Comparative Endocrinology*, In Press.

<https://www.sciencedirect.com/science/article/pii/S0016648019302953>

Han, N. Wu, Z. Zhang, L. Wei, X. (2019). **The complete mitogenome of Microhyla fissipes (Anura: Microhylidae) and phylogenetic analysis using GenBank data mining**. *Mitochondrial DNA Part B Resources*, 4(2), pp. 3049–3050.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2019.1666670?needAccess=true>

He, J. Mi, S. Qin, X.-W. Weng, S.-P. Guo, C.-J. He, J.-G. (2019). **Tiger frog virus ORF104R interacts with cellular VDAC2 to inhibit cell apoptosis**. *Fish & Shellfish Immunology*, 92, pp.889-896.

<https://www.sciencedirect.com/science/article/abs/pii/S1050464819307260>

Hernández-Gómez, O. Kimble, S. J. A. Hua, J. Wuerthner, V. P. Jones, D. K. Mattes, B. M. Cothran, R. D. Relyea, R. A. Meindl, G. A. Hoverman, J. T. (2019). **Local adaptation of the MHC class II $\beta$  gene in populations of wood frogs (*Lithobates sylvaticus*) correlates with proximity to agriculture**. *Infection, Genetics and Evolution*, *Infection, Genetics and Evolution* 73, pp.197-204. Preprint Online.

<https://www.sciencedirect.com/science/article/pii/S1567134819300760>

Holgerson, M. Duarte, A. Hayes, M. P. Adams, M. J. Tyson, J. A. Douville, K. A. Strecker, A. G. (2019). **Floodplains provide important amphibian habitat despite multiple ecological threats.** *Ecosphere*, 10(9), pp.1-18.

<https://esajournals.onlinelibrary.wiley.com/doi/pdf/10.1002/ecs2.2853>

Hopkins, W. A. DuRant, S. E. Beck, M. L. Ray, W. K. Helm, R. F. Romero, M. L. (2019). **Cortisol is the predominant glucocorticoid in the giant paedomorphic hellbender salamander (*Cryptobranchus alleganiensis*).** *General and Comparative Endocrinology*, In Press, e113267.

<https://www.sciencedirect.com/science/article/pii/S0016648019303247>

Holtswarth, J. N. Rowland, F. E. Puglis, H. J. Hladik, M. L. Webb, E. B. (2019). **Effects of the Neonicotinoid Insecticide Clothianidin on Southern Leopard Frog (*Rana sphenocephala*) Tadpole Behavior.** *Bulletin of Environmental Contamination and Toxicology*, Online ISSN 1432-0800, pp 1–6.

<https://link.springer.com/article/10.1007/s00128-019-02703-0>

Hou, J. Gan, Z. Chen, S. N. Nie, P. (2019). **Molecular and functional characterization of a short-type peptidoglycan recognition protein, PGRP-S in the amphibian *Xenopus laevis*.** *Developmental & Comparative Immunology*, 98, pp.13-19.

<https://www.sciencedirect.com/science/article/pii/S0145305X19301193>

Huang, M.-Y. Zhao, Q. Wu, Y.-Q. (2019) **Characterization of the complete mitochondrial genome of Zhenhai brown frog *Rana zhenhaiensis* (Anura: Ranidae).** *Mitochondrial DNA Part B*, 4(2), pp.3204-3205,

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2019.1667897>

Ilicheva, N. Pochukalina, G. Podgornaya, O. (2019). **Actin depolymerization disrupts karyosphere capsule integrity but not residual transcription in late oocytes of the grass frog *Rana temporaria*.** *Journal of Cellular Biochemistry*, 120(9), pp.15057-15068.

<https://www.ncbi.nlm.nih.gov/pubmed/31081178>

İlgaz, Ç.Huriyet, H.Çiçek, K. (2019). **A new locality record of *Triturus ivanbureschi* Wielstra & Arntzen, 2013 (Amphibia: Salamandridae) in Western Anatolia, Turkey.** *Biharean Biologist*, 13(x): Article No: e191304.

[http://biozoojournals.ro/bihbiol/cont/v13n2/bb\\_e191304\\_Ilgaz.pdf](http://biozoojournals.ro/bihbiol/cont/v13n2/bb_e191304_Ilgaz.pdf)

Jakóbik, J. Janowski, P. Błażuk, J. Narczyński, T. Pabijan, M. (2019). **An Alpine newt (Ichthyosaura alpestris) population on the Baltic coast of Poland.** *Herpetology Notes*, 12, pp.923-930.

<https://www.biota.org/hn/article/view/43926>

Kazzaz, S. A. Tagliabue, S. G. Franks, D. G. Denison, M. S. Hahn, M. E. Bonati, L. Powell, W. H. (2019). **An aryl hydrocarbon receptor from the caecilian *gymnopis* multiplicate suggests low dioxin affinity in the ancestor of all three amphibian orders.** *BioRxiv*, Online.

<https://www.biorxiv.org/content/biorxiv/early/2019/09/11/750653.full.pdf>

Keiser, C. N. Wantman, T. Rebollar, E. A. Harris, R. N. (2019). **Tadpole body size and behaviour alter the social acquisition of a defensive bacterial symbiont.** *Royal Society Open Science*, 6, 191080.

<https://royalsocietypublishing.org/doi/pdf/10.1098/rsos.191080>

Khatiwada, J. R. Dhu, G. Subedi, T. R. Wang, B. Ohler, A. Canatella, D. C. Xie, F. Jiang, J. (2019). **A New Species of Megophryid Frog of the Genus Scutiger from Kangchenjunga Conservation Area, Eastern Nepal.** *Asian Herpetological Research*, 10(3): pp.139–157.

[https://www.researchgate.net/profile/Janak\\_Khatiwada2/publication/335988304\\_A\\_New\\_Species\\_of\\_Megophryid\\_Frog\\_of\\_the\\_Genus\\_Scutiger\\_from\\_Kangchenjunga\\_Conservation\\_Area\\_Eastern\\_Nepal/links/5d891d36458515cbd1be1c06/A-New-Species-of-Megophryid-Frog-of-the-Genus-Scutiger-from-Kangchenjunga-Conservation-Area-Eastern-Nepal.pdf](https://www.researchgate.net/profile/Janak_Khatiwada2/publication/335988304_A_New_Species_of_Megophryid_Frog_of_the_Genus_Scutiger_from_Kangchenjunga_Conservation_Area_Eastern_Nepal/links/5d891d36458515cbd1be1c06/A-New-Species-of-Megophryid-Frog-of-the-Genus-Scutiger-from-Kangchenjunga-Conservation-Area-Eastern-Nepal.pdf)

Kirk, M. A. Galatowitsch, M. L. Wissinger, S. A. (2019). **Seasonal differences in climate change explain a lack of multi-decadal shifts in population characteristics of a pond breeding salamander.** *PLoS One*, 14(9), e0222097.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0222097&type=printable>

Koch, N. M. Wilcoxon, T. E. (2019). **The effects of tail damage on tadpole development and leaping ability after metamorphosis in Cuban tree frogs (*Osteopilus septentrionalis*).** *BIOS*, 89(4), pp.165-173.

<https://bioone.org/journals/BIOS/volume-89/issue-4/0005-3155-89.4.165/The-effects-of-tail-damage-on-tadpole-development-and-leaping/10.1893/0005-3155-89.4.165.short>

Komine, H. Fukasawa, K. Akasaka, M. Watari, Y. Iwai, N. Kaji, K. (2019). **Rapid behavioural responses of native frogs caused by past predation pressure from invasive mongooses.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/10.1111/jzo.12734>

Krishna, M. P. Sreepada, K. S. Sridhar, K. R. Hemachandra, A. (2019). **Diurnal Periodicity of the Pond Frogs in the Western Ghats of India.** (Report). *Proceedings of the Zoological Society*, 72(3), p.290-300.

<https://link.springer.com/article/10.1007/s12595-018-0270-2>

Kunkel, C. L. Anthony, C. D. Hickerson, C-A. M. Feldhoff, R. C. (2019) **Species Variation in a Pheromone Complex is Maintained at the Population Level in the Eastern Red-Backed Salamander.** *Journal of Herpetology*: 53(3), pp. 173-178.

<https://www.journalofherpetology.org/doi/abs/10.1670/18-061>

LaDouceur, E. E. B. Hauck, A. M. Garner, M. M. Cartoceti, A. N. Murphy, B. G. (2019). **Odontomas in Frogs.** *Veterinary Pathology*, XX(X), Online.

<https://doi.org/10.1177/0300985819877633>

Lambertos, A. Peñafiel, R. (2019). **Polyamine biosynthesis in Xenopus laevis: the xIAZIN2/xLODC2 gene encodes a lysine/ornithine decarboxylase.** *PLoS One*, 218500.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0218500&type=printable>

Lawrence, J. P. Rojas, B. Fouquet, A. Mappes, J. Blanchette, A. Saporito, R. A. Bosque, R. J. Courtois, E. A. Noonan, B. P. (2019). **Weak warning signals can persist in the absence of gene flow.** *PNAS*, Online.

<https://www.pnas.org/content/pnas/early/2019/08/30/1901872116.full.pdf>

Ledesma, J. L. J. Montori, A. Vicent, A.-O. Antonio, B.-E. Cunillera, J. et al. (2019). **Future hydrological constraints of the Montseny brook newt (Calotriton arnoldi) under changing climate and vegetation cover.** *Ecology and Evolution*, 9(17), pp.9736-9747. DOI:10.1002/ece3.5506.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5506>

Lagorio, A. D. Grewal, K. Djuhari, S. Le, K. Mulhim, R. Gridi-Papp, M. (2019). **The Arylabialis Muscle of the Túngara Frog (Engystomops pustulosus).** *The Anatomical Record*, Early View.

<https://doi.org/10.1002/ar.24267>

Leeb, C. Brühl, C. Theissinger, K. (2019). **Potential pesticide exposure during the post-breeding migration of the common toad (Bufo bufo) in a vineyard dominated landscape.** *Science of The Total Environment*, In Press, 134430.

<https://www.sciencedirect.com/science/article/pii/S0048969719344213>

Lertzman-Lepofsky, G. Mooers, A. Ø. Greenberg, D. A. (2019). **Ecological constraints associated with genome size across salamander lineages.** *Proceedings of The Royal Society, B*, 286(1911), pp.1-8.

<https://royalsocietypublishing.org/doi/10.1098/rspb.2019.1780>

Li, Y. Ren, Y. Zhang, D. Jiang, H. Wang, Z. Li, X. Rao, D. (2019). **Chromosome-level assembly of the mustache toad genome using third-generation DNA sequencing and Hi-C analysis.** *Giga Science*, 8(9), giz114.

<https://doi.org/10.1093/gigascience/giz114>

Llanqui, I. B. Salas, C. Y. Oblitas, M. P. (2019). **A preliminary checklist of amphibians and reptiles from the vicinity of La Nube Biological Station, Bahuaja-Sonene National Park, Peru.** *Check List* 15(5), pp.773–796.

<https://doi.org/10.15560/15.5.773>

Loder, A. L. Weeber, R. Wonglan, S. N. P. Spooner, S. Mallory, M. L. (2019). **Correlates of Waterbody Characteristics and the Occurrence or Diversity of Larval Amphibians in Central Ontario, Canada.** *Bulletin of Environmental Contamination and Toxicology*, DOI: 10.1007/s00128-019-02698-8

<https://link.springer.com/article/10.1007/s00128-019-02698-8>

Lourenço, A. Gonçalves, J. Carvalho, F. Wang, I. J. Velo-Antó, G. (2019). **Comparative landscape genetics reveals the evolution of viviparity reduces genetic connectivity in fire salamanders.** *Molecular Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15249>

Lowe, W. H. Swartz, L. H. Addis, B. R. Likens, G. E. (2019). **Hydrologic variability contributes to reduced survival through metamorphosis in a stream salamander.** *PNAS*, Early View.

<https://www.pnas.org/content/early/2019/09/04/1908057116>

Lüdtke, D. U. Foerster, K. (2019). **Temporal Patterns of Mating Activity in Alpine Newts, Ichthyosaura alpestris.** *Journal of Herpetology*, 53(3), pp.245-251.

<https://www.journalofherpetology.org/doi/abs/10.1670/18-129>

Luong, A. M. Pham, A. V. Nguyen, T. T. Nguyen, T. Q. (2019). **First Record of Megophrys gigantica Liu, Hu et Yang, 1960 (Anura: Megophryidae) from Vietnam.** *Russian Journal of Herpetology*, 26(4), In Press.

<http://www.rjh.folium.ru/index.php/rjh/article/view/1406>

Luymes, N. Chow-Fraser, P. (2019). **Optimizations for time and effort in long-term monitoring: a case study using a multidecadal terrestrial salamander monitoring program.** *Environmental Monitoring and Assessment*, 191(9), pp.1-10.

<https://link.springer.com/article/10.1007/s10661-019-7759-7>

Marín-Martínez, M. Serna-Botero, V. (2019). **An alarming case? Hindlimb malformation in the endemic Colombian glass frog, Sachatamia punctulata (Ruiz-Carranza and Lynch, 1995) (Anura, Centrolenidae).** *Herpetology Notes*, 12, pp.919-921.

<https://www.biotaxa.org/hn/article/viewFile/47981/53066?fbclid=IwAR17yl7-vPCGnkuxgcy5-5VcdEWG6c-suP98ZY2sWjtUF14uGngCTFWOOtA>

Marinho, P. Costa-Campos, C. E. Sanches, P. R. de Carvalho, T. R. (2019). **The release call of Rhaebo guttatus (Anura: Bufonidae).** *Studies on Neotropical Fauna and Environment*, Online.

<https://www.tandfonline.com/doi/abs/10.1080/01650521.2019.1658507>

Martins, A. Pontes, R. Mattedi, C. Murta-Fonseca, R. A. Fratani, J. Ramos, L. de O. Brandão, A. L. R. Maciel, D. B. Pinto, R. R. (2019). **Herpetofauna community from coastal restinga remnants in Northeast Rio de Janeiro state, Brazil.** *Journal of Coastal Conservation*, pp.1–19.

<https://link.springer.com/article/10.1007/s11852-019-00708-9>

Matos, C. Petrovan, S. O. Wheeler, P. M. Ward, A. I. (2019). **Landscape connectivity and spatial prioritization in an urbanising world: A network analysis approach for a threatened amphibian.** *Biological Conservation*, 237, pp.238-247.

<https://www.sciencedirect.com/science/article/abs/pii/S000632071831680X>

Mawloudi, S. Rastegar-Pouyani, N. Rastegar-Pouyani, E. (2019). **Four New Localities for the Endangered Kurdistan Newt Neurergus derjugini (Nesterov, 1916) (Amphibia: Salamandridae) in Kermanshah Province, Western Iran.** *Russian Journal of Herpetology*, 26(4), In Print.

<http://www.rjh.folium.ru/index.php/rjh/article/view/1202>

McKnight, D. T. Nordine, J. Jerrett, B. Murray, M. Murray, P. Moss, R. Northey, M. Simard, N. Alford, R. A. Schwarzkopf, L. (2019). **Do morphological adaptations for gliding in frogs influence clinging and jumping?** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/10.1111/jzo.12725>

Mcmahon, T. A. Laggan, N. A. Hill, M. N. (2019). **Metabolites produced by Batrachochytrium dendrobatidis alter development in tadpoles, but not growth or mortality.** *Diseases of Aquatic Organisms*, 135(3), pp.251-255.

<https://www.int-res.com/abstracts/dao/v135/n3/p251-255>

Mehta, A. S. Singh, A. (2019). **Insights into regeneration tool box: An animal model approach.** *Developmental Biology*, 453(2), pp.111-129.

<https://www.sciencedirect.com/science/article/pii/S0012160619301058>

Mella-Romero, j. Lamilla-Maulén, P. (2019). **Alsodes verrucosus (Philippi, 1902) (Anura, Alsodidae): a new locality for a very poorly known species.** *Check List* 15(5), pp.811–814.

<https://checklist.pensoft.net/article/37160/>

Migoń, D. Jaśkiewicz, M. Neubauer, D. Bauer, M. Sikorska, E. Kamysz, E. Kamysz, W. (2019). **Alanine Scanning Studies of the Antimicrobial Peptide Aurein 1.2.** *Probiotics and Antimicrobial Proteins*, 11(3), pp.1042-1054.

<https://link.springer.com/article/10.1007/s12602-018-9501-0>

Mirza, Z. A. Warekar, P. Mohapatra, P. P. Raju, D. Patil, P. Dutta, S. K. Pal, S. (2019). **“Endangered or an artifact of unsound taxonomy? Case of the critically endangered bush frog Philautus sanctisylvaticus Das and Chanda, 1997”.** *Zootaxa*, 4683(4): 563–576.

<https://www.mapress.com/j/zt/article/viewFile/zootaxa.4683.4.6/36013>

Mohanty, N. P. Measey, J. (2019). **The global pet trade in amphibians: species traits, taxonomic bias, and future directions.** *Biodiversity and Conservation*, Online.

<https://doi.org/10.1007/s10531-019-01857-x>

Montaña, C. G. Silva, S. D. G. T. M. Hagyari, D. Wager, J. Tiegs, L. Sadeghian, C. Schriever, T. A. Schalk, C. M. (2019). **Revisiting “what do tadpoles really eat?” A 10-year perspective.** *Freshwater Biology*, Early View.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/fwb.13397>

Morison, S. A. Cramp, R. L. Alton, L. A. Franklin, C. E. (2019). **Cooler temperatures slow the repair of DNA damage in tadpoles exposed to ultraviolet radiation: implications for amphibian declines at high altitude.** *Global Change Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.14837>

Müller, H. (2019). **Description of the Tadpole of the Critically Endangered Ethiopian Toad Altiphrynoides osgoodi (Amphibia: Anura: Bufonidae).** *Journal of Herpetology*, 53(3), pp.218-223.

<https://www.journalofherpetology.org/doi/abs/10.1670/19-047>

Nadaline, J. Ribeiro, L. F. Teixeira, L. Vannuchi, F. S. Bornschein, M. R. (2019). **New record of Melanophryniscus biancae Bornschein, Baldo, Pie, Firkowski, Ribeiro & Corrêa, 2015 (Anura, Bufonidae) from Paraná, Brazil, with comments on its phytotelm-breeding ecology.** *Check List*, 15(5), pp.821–826.

<https://doi.org/10.15560/15.5.821>

Nava-González, B. A. Suazo-Ortuño, I. Parra-Olea, G. López-Toledo, L. Alvarado-Díaz, J. (2019). **Batrachochytrium dendrobatidis infection in amphibians from a high elevation habitat in the trans-Mexican volcanic belt.** *Aquatic Ecology*, Online ISSN 1573-5125, pp.1–13.

<https://link.springer.com/article/10.1007/s10452-019-09727-y>

Niederle, M. V. Bosch, J. Ale, C. E. Nader-Macías, M. E. Ficoseco, C. A. Toledo, L. F. Valenzuela-Sánchez, A. Soto-Azat, C. Pasteris, S. E. (2019). **Skin-associated lactic acid bacteria from North American bullfrogs as potential control agents of Batrachochytrium dendrobatidis.** *PLoS One*, 14(9), e0223020.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0223020&type=printable>

O'Connell, K. A. Aryal, P. C. Sherchan, A. M. Dhakal, B. Chaudhary, H. K. Ranabhat, R. Karmacharya, D. (2019). **A herpetological survey of the Kathmandu Valley, Nepal, and phylogenetic identification of Megophrys (Xenophrys) zhangi.** *Journal of Natural History*, 53(23-24), 1464-5262 (Online).

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2019.1655106>

Panda, B. (2019). **Variation in habitat use and breeding pattern of ranid and rhacophorid.** *International Journal of Scientific Research*, 8(9), pp.19-20.

<http://www.worldwidejournals.org/index.php/ijsr/article/view/213>

Patton, A. H. Margres, M. J. Epstein, B. Eastman, J. Harmon, L. J. Storfer, A. (2019). **Hybridizing salamanders experience accelerated diversification.** *BioRxiv*, Preprint.

<https://www.biorxiv.org/content/biorxiv/early/2019/09/08/760264.full.pdf>

Peek, R. A. Bedwell, M. O'Rourke, S. M. Goldberg, C. Wengert, G. M. Miller, M. R. (2019). **Hybridization between two parapatric ranid frog species in the northern Sierra Nevada, California, USA.** *Molecular Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15236>

Peltzer, P. M. Lajmanovich, R. C. Martinuzzi, C. Attademo, A. M. Curi, L. M. Sandoval, M. T. (2019). **Biotoxicity of diclofenac on two larval amphibians: Assessment of development, growth, cardiac function and rhythm, behavior and antioxidant system.** (Report) *The Science of the Total Environment*, 683, pp.624-637.

[https://www.researchgate.net/publication/333326033\\_Biotoxicity\\_of\\_diclofenac\\_on\\_two\\_larval\\_amphibians\\_Assessment\\_of\\_development\\_growth\\_cardiac\\_function\\_and\\_rhythm\\_behavior\\_and\\_antioxidant\\_system](https://www.researchgate.net/publication/333326033_Biotoxicity_of_diclofenac_on_two_larval_amphibians_Assessment_of_development_growth_cardiac_function_and_rhythm_behavior_and_antioxidant_system)

Peñalver-Alcázar, M. Galán, P. Aragón, P. (2019). **Assessing Rensch's rule in a newt: Roles of primary productivity and conspecific density in interpopulation variation of sexual size dimorphism.** *Frontiers in Biogeography*, 46(9), Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.13680>

Pérez-Granados, C. Schuchmann, K.-L. Ramoni-Perazzi, P. Marques, M. I. (2019). **Calling behaviour of Elachistocleis matogrossensis (Anura, Microhylidae) is associated with habitat temperature and rainfall.** *Bioacoustics*, Online.

<https://www.tandfonline.com/doi/abs/10.1080/09524622.2019.1658642?journalCode=tbio20>

Phadmacanty, N. P. R. Kurniati, H. (2019). **Short Communication: Determination of the age of the Paddy Field Frog, Fejervarya cancrivora (Anura: Dic平glossidae) by using skeletochronology.** *Biodiversitas*, 20(9), pp.2739-2743.

<https://smujo.id/biodiv/article/view/4310/3417>

Pinheiro, P. D. P. Carrizo, G. R. Faivovic, J. (2019). **The identity of the poorly known treefrog Hyla varelae Carrizo, 1992 (Anura: Hylidae).** *Zoologischer Anzeiger*, In Press, Journal Pre-proof

<https://www.sciencedirect.com/science/article/pii/S0044523119301093>

Pirani, R. M. Werneck, F. P. Thomaz, A. T. Kenney, M. L. Sturaro, M. J. Ávila-Pires, T. C. S. Peloso, P. L. V. Rodrigues, M. T. Knowles, L. L. (2019). **Testing main Amazonian rivers as barriers across time and space within widespread taxa.** *Journal of Biogeography*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.13676>

Polo-Cavia, N. Boyero, L. Martín-Beyer, B. Bosch, T. N. (2019). **Effects of coexistence and predator experience on antipredatory responses of montane amphibian larvae towards native and introduced salmonids.** *Biological Invasions*, Online, pp.1-12, Online ISSN 1573-1464.

<https://link.springer.com/article/10.1007/s10530-019-02095-6>

Prasetyo, R. H. Safitri, E. (2019). **Sparganum in frog meat: A warning for the occurrence of human sparganosis.** *Tropical Parasitology*, 9(2), pp.130-131.

<http://www.tropicalparasitology.org/article.asp?issn=2229-5070;year=2019;volume=9;issue=2;spage=130;epage=131;aulast=Prasetyo>

Pulsford, S. A. Barton, P. S. Driscoll, D. A. Lindenmayer, D. B. (2019). **Interactive effects of land use, grazing and environment on frogs in an agricultural landscape.** *Agriculture, Ecosystems & Environment*, 281, pp.25-34.

<https://www.sciencedirect.com/science/article/pii/S016788091930132X>

Purushothaman, S. Elewa, A. Seifert, A. W. (2019). **Fgf-signaling is compartmentalized within the mesenchyme and controls proliferation during salamander limb development.** *eLife*, 8, e48507.

<https://elifesciences.org/articles/48507>

Rae, J. Murray, D. (2019). **Pathogen vs. predator: ranavirus exposure dampens tadpole responses to perceived predation risk.** *Oecologia*, First Online, pp.1–10.

<https://link.springer.com/article/10.1007/s00442-019-04501-1>

Rahbek, C. Borregaard, M. K. Colwell, R. K. Dalsgaard, B. Holt, B. G. Morueta-Holme, N. Nogues-Bravo, D. Whittaker, R. J. Fjeldså, J. (2019). **Humboldt's enigma: What causes global patterns of mountain biodiversity?** *Science*, 365(6458), pp.1108-1113.

<https://science.sciencemag.org/content/365/6458/1108/tab-pdf>

Rao, N. M. B. Bhatta, K. S. V. (2019). **Individual and combined effects of organophosphate and carbamate pesticides on the cricket frog Fejervarya limnocharis.** *Environmental Geochemistry and Health*, Online, pp.1–8.

<https://link.springer.com/article/10.1007/s10653-019-00418-z>

Rhoo, K. H. Robert, J. (2019). **Adoptive transfer of fluorescently labeled immune cells in Xenopus.** *Cold Spring Harbor Protocols*, pp.395-400, doi:10.1101/pdb.prot097592

<http://cshprotocols.cshlp.org/content/2019/5/pdb.prot097592.full.pdf+html>

Ribeiro, L. P. Carvalho, T. Becker, G. Jenkinson, T. S. Leite, D. da S. James, T. Y. Greenspan, S. E. Toledo, L. F. (2019). **Bullfrog farms release virulent zoospores of the frog-killing fungus into the natural environment.** *Scientific Reports*, 9:13422.

<https://www.nature.com/articles/s41598-019-49674-0.pdf>

Richards, C. T. (2019). **Energy flow in multibody limb models: A case study in frogs.** *Integrative and Comparative Biology*, icz142.

<https://academic.oup.com/icb/advance-article-abstract/doi/10.1093/icb/icz142/5564146>

Riddell, E. A. Roback, E. Y. Wells, C. E. Zamudio, K. R. Sears, M. W. (2019). **Thermal cues drive plasticity of desiccation resistance in montane salamanders with implications for climate change.** *Nature Communications*, 10, Article number: 4091.

<https://www.nature.com/articles/s41467-019-11990-4.pdf>

Robak, M. J. Reinert, L. K. Rollins-Smith, L. A. Richards-Zawacki, C. L. (2019). **Out in the cold and sick: Low temperatures and fungal infections impair a frog's skin defences.** *Journal of Experimental Biology*, jeb.209445.

<https://jeb.biologists.org/content/early/2019/09/05/jeb.209445?download=true>

Robinson, S. A. Richardson, S. D. Dalton, R. L. Maisonneuve, F. Bartlett, A. J. Solla, S. R. Trudeau, V. L. Walther, N. (2019). **Assessment of Sublethal Effects of Neonicotinoid Insecticides on the Life-History Traits of 2 Frog Species.** *Environmental Toxicology and Chemistry*, 38(9), pp.1967-1977.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4511?af=R>

Ruso, G. E. Morrissey, C. A. Hogan, N. S. Sheedy, C. Gallant, M. J. Jardine, T. D. (2019). **Detecting amphibians in agricultural landscapes using eDNA reveals the importance of wetland condition.** *Environmental Toxicology and Chemistry*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4598>

Sah, A. H. A. Barthelmess, T. Grafe, T. U. (2019). **Feeding Ecology of a Tropical Litter-Dwelling Frog, Chaperina fusca (Microhylidae) from Borneo.** *Journal of Herpetology*, 53(3), pp.237-244.

<https://bioone.org/journals/Journal-of-Herpetology/volume-53/issue-3/18-111/Feeding-Ecology-of-a-Tropical-Litter-Dwelling-Frog-Chaperina-fusca/10.1670/18-111.short>

Schneider, R. Cardozo, D. Brusquetti, F. Kolenc, F. Borteiro, C. Haddad, C. Basso, N. G. Baldo, D. (2019). **A new frog of the Leptodactylus fuscus species group (Anura: Leptodactylidae), endemic from the South American Gran Chaco.** *PeerJ* 7, e7869, DOI: 10.7717/peerj.7869

[https://www.researchgate.net/publication/336412804 A new frog of the Leptodactylus fuscus species group Anura Leptodactylidae endemic from the South American Gran Chaco](https://www.researchgate.net/publication/336412804_A_new_frog_of_the_Leptodactylus_fuscus_species_group_Anura_Leptodactylidae_endemic_from_the_South_American_Gran_Chaco)

Sergey, M. Sergey, S. Oxana, K. (2019). **Immunocytological analysis of chromosomes in meiotic prophase I of the paleotetraploid frog *Xenopus laevis*.** *PeerJ*, Pre-Print.

<https://peerj.com/preprints/27937.pdf>

Serrano, F. Diaz-Ricaurte, J. C. Guevara-Molina, E. C. (2019). **Predation on the lesser treefrog *Dendropsophus minutus* (Peters, 1872) (Anura: Hylidae) by Lethocerus sp. water bugs (Hemiptera: Belostomatidae) in São Paulo, Brazil.** *Herpetology Notes*, 12, pp.913-914.

<https://www.biotaxa.org/hn/article/viewFile/39099/51252>

Simoncelli, F. Lucentini, L. La Porta, G. Belia, S. Di Rosa, I. Fagotti, A. (2019). **Small heat shock proteins in the amphibian *Pelophylax bergeri*: Cloning and characterization of Hsp27 and Hsp30 cDNAs and their expression analysis in ex vivo skin exposed to abiotic stresses.** *Comparative Biochemistry and Physiology, Part A*, 235, pp.90-101.

<https://www.sciencedirect.com/science/article/pii/S1095643319301540>

Sou, S. K. Sow, K. K.n (2019). **Occurrence of *Aplectana macintoshii* (Stewart, 1914) Travassos, 1931 (Nematoda: Cosmocercidae) in Indian Skipper Frog, *Euphlyctis cyanophlyctis* (Anura: Dicroididae) at Raniganj Town, Paschim Bardhaman, West Bengal.** (Report). *Proceedings of the Zoological Society*, 72(3), p.313-317.

[https://www.semanticscholar.org/paper/Occurrance-of-Aplectana-macintoshii-\(Stewart%2C-1914\)-Sou-Sow/a182abd569522b3e11189fd2bc12b6a802fe125d](https://www.semanticscholar.org/paper/Occurrance-of-Aplectana-macintoshii-(Stewart%2C-1914)-Sou-Sow/a182abd569522b3e11189fd2bc12b6a802fe125d)

Still, M. B. Lea, A. M. Hofmann, H. A. Ryan, M. J. (2019). **Multimodal stimuli regulate reproductive behavior and physiology in male túngara frogs.** *Hormones and Behavior*, 115, p.104546

[https://www.researchgate.net/publication/334726120 Multimodal stimuli regulate reproductive behavior and physiology in male tungara frogs](https://www.researchgate.net/publication/334726120_Multimodal_stimuli_regulate_reproductive_behavior_and_physiology_in_male_tungara_frogs)

Sun, X. Zhao, L. Chen, O. Wang, J. Cui, J. (2019). **Auditory sensitivity changes with diurnal temperature variation in little torrent frogs (*Amolops torrentis*).** *Bioacoustics*, DOI: 10.1080/09524622.2019.1662845.

<https://www.tandfonline.com/doi/abs/10.1080/09524622.2019.1662845>

Thongproh, P. Duengkae, P. Uengkae, Ratree, P. Phetcharat, E. Kingwongsa, W. Jaitrong, W. Chuaynkern, Y. Y. Chuaynkern, C. (2019). **Species diversity and prey items of amphibians in Yoddom Wildlife Sanctuary, northeastern Thailand.** *Biodiversitas*, 20(9), pp.2718-2732.

<https://smujo.id/biodiv/article/view/4215/3415>

Tokmakov, A. A. Matsumoto, Y. Isobe, T. Sato, K. I. (2019). **In Vitro Reconstruction of Xenopus Oocyte Ovulation.** *International Journal of Molecular Sciences*, 20(19), 4766.

<https://www.mdpi.com/1422-0067/20/19/4766>

Turani, B. Aliko, V. Faggio, C. (2019). **Amphibian embryos as an alternative model to study the pharmaceutical toxicity of cyclophosphamide and ibuprofen.** *Journal of Biological Research*, 92(8370), pp.72-76.

<https://www.pagepressjournals.org/index.php/jbr/article/view/8370/8321>

Turvey, S. T. Marr, M. M. Barnes, I. Brace, S. Tapley, B. Murphy, R. W. Zhao, E. Cunningham, A. A. (2019). **Historical museum collections clarify the evolutionary history of cryptic species radiation in the world's largest amphibians.** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/ece3.5257>

Uckermann, O. Hirsch, J. Galli, R. Bendig, J. Later, R. Koch, E. Schackert, G. Steiner, G. Tanaka, E. Kirsch, M. (2019). **Label-free Imaging of Tissue Architecture during Axolotl Peripheral Nerve Regeneration in Comparison to Functional Recovery.** *Scientific Reports*, 9, pp.1-1.

<https://www.nature.com/articles/s41598-019-49067-3>

Vieira, W. A. McCusker, C. D. (2019). **Hierarchical pattern formation during amphibian limb regeneration.** *BioSystems*, 183, 103989.

<https://www.sciencedirect.com/science/article/pii/S0303264719301753>

Villacampa, J. Whitworth, A. Allen, L. Malo, J. E. (2019). **Altitudinal differences in alpha, beta and functional diversity of an amphibian community in a biodiversity hotspot.** *Neotropical Biodiversity*, 5(1), pp.60-68.

<https://www.tandfonline.com/doi/full/10.1080/23766808.2019.1659022>

Vredenburg, V. T. McNally, S. V. G. Sulaeman, H. Butler, H. M. Yap, T. Koo, M. S. Schmeller, D. S. Dodge, C. Cheng, T. Lau, G. Briggs, C. J. (2019). **Pathogen invasion history elucidates contemporary host pathogen dynamics.** *PLoS One*, DOI: 10.1371/journal.pone.0219981.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0219981&type=printable>

Walkowski, W. G. Crother, B. I. Valverde, R. A. (2019). **Testosterone and Corticosterone Profiles and Body Condition of Calling and Non-calling Lithobates grylio.** *Copeia*, 107(3), pp.509-516.

<https://bioone.org/journals/copeia/volume-107/issue-3/CP-18-134/Testosterone-and-Corticosterone-Profiles-and-Body-Condition-of-Calling-and-10.1643/CP-18-134.full>

Weeks, D. M. Parris, M. J. (2019). **A Bacillus thuringiensis kurstaki Biopesticide Does Not Reduce Hatching Success or Tadpole Survival at Environmentally Relevant Concentrations in Southern Leopard Frogs (Lithobates sphenocephalus).** *Environmental Toxicology & Chemistry*, Accepted Article.

<https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/etc.4588>

Weir, S. M. Yu, S. Scott, D. E. Lance, S. L. (2019). **Acute toxicity of copper to the larval stage of three species of ambystomatid salamanders.** *Ecotoxicology*, Online, pp.1-9.

<https://link.springer.com/article/10.1007/s10646-019-02102-5>

Weitzman, C. L. Kaestli, M. Gibb, K. Brown, G. P. Shine, R. Christian, K. (2019). **Disease Exposure and Antifungal Bacteria on Skin of Invasive Cane Toads, Australia.** *Emerging Infectious Diseases*, 25(9), pp.1770-1771.

<https://wwwnc.cdc.gov/eid/article/25/9/pdfs/19-0386.pdf>

Winiarski, K. J. Peterman, W. E. Whiteley, A. R. McGarigal, K. (2019). **Multi-scale resistant kernel surfaces derived from inferred gene flow: An application with vernal pool breeding salamanders.** *Molecular Ecology Resources*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/1755-0998.13089>

Xiao, Y. Xia, Y. Zeng, X. (2019). **The mitochondrial genome of broad-folded frog (Hylarana latouthii).** *Mitochondrial DNA Part B*, 4(2), pp.3018-3019.

<https://www.tandfonline.com/doi/pdf/10.1080/23802359.2019.1666054>

Xie, Z. Zhang, H. Zhang, P. Li, Q. Zhang, R. (2019). **Comparative Morphology and Histology of the Brain in Chinese Toad (Bufo gargarizans) and Chinese Fire-billed Newt (Cynops orientalis).** *International Journal of Morphology*, 37(3), pp.1172-1178.

[https://www.researchgate.net/publication/335533202\\_Comparative\\_Morphology\\_and\\_Histology\\_of\\_the\\_Brain\\_in\\_Chinese\\_Toad\\_Bufo\\_gargarizans\\_and\\_Chinese\\_Fire-billed\\_Newt\\_Cynops\\_orientalis](https://www.researchgate.net/publication/335533202_Comparative_Morphology_and_Histology_of_the_Brain_in_Chinese_Toad_Bufo_gargarizans_and_Chinese_Fire-billed_Newt_Cynops_orientalis)

Ya, J. Ju, Z. Wang, H. Zhao, H. (2019). **Exposure to cadmium induced gut histopathological damages and microbiota alterations of Chinese toad (*Bufo gargarizans*) larvae.** *Ecotoxicology and Environmental Safety*, 180, pp.449-456.

<https://www.sciencedirect.com/science/article/pii/S0147651319305792>

Yang, J.-H. Huang, X.-Y. Ye, J.-F. Yang, S.-P. Zhang, X.-C. Chan, B. P.-L. (2019). **A report on the herpetofauna of Tengchong Section of Gaoligongshan National Nature Reserve, China.** *Journal of Threatened Taxa*, 11(11): 14434–14451.

<https://threatenedtaxa.org/index.php/JoTT/article/view/4437/6436>

Yaparla, A. Docter-Loeb, H. Melnyk, M. L. S. Batheja, A. Grayfer, L. (2019). **The amphibian (*Xenopus laevis*) colony-stimulating factor-1 and interleukin-34-derived macrophages possess disparate pathogen recognition capacities.** *Developmental & Comparative Immunology*, 98, pp. 89-97.

<https://www.sciencedirect.com/science/article/pii/S0145305X19301569>

Zieliński, P. Dudek, K. Arntzen, J. W. Palomar, G. Niedzicka, M. Fijarczyk, A. Liana, M. Cogălniceanu, D. Babik, W. (2019). **Differential introgression across newt hybrid zones – evidence from replicated transects.** *Molecular Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15251>

Zhang, W. Chen, L. Diao, J. Zhou, Z. (2019). **Effects of cis-bifenthrin enantiomers on the growth, behavioral, biomarkers of oxidative damage and bioaccumulation in *Xenopus laevis*.** *Aquatic Toxicology*, 214, pp.105237.

<https://www.sciencedirect.com/science/article/pii/S0166445X1830924X>

Zhang, Y. Zhang, A. Zhao, Y. Feng, X. Sheng, Y. Zhang, H. Weng, Q. Xu, M. (2019). **Expressions of TLR4, MyD88, IRAK4 and NF-κB in the oviduct of Chinese brown frog (*Rana dybowskii*).** *European Journal of Histochemistry*, 63(3050), pp.150-157.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6767324/pdf/ejh-63-3-3050.pdf>

**October**

Ahmad, N. Ahmad, E. Rataj, M. Sinon, E. A. A. Don, B. Francis, F. Mahmod, M. R. Agimin, A. Belabut, D. (2019). **Amphibians and Reptiles of Imbak Canyon Study Centre and Batu Timbang Camp.** *Journal of Tropical Biology and Conservation*, 16, pp.25–33. E-ISSN 2550-1909.

<https://jurcon.ums.edu.my/ojums/index.php/jtbc/article/view/2024>

Allain, S. J. R. Duffus, A. L. J. (2019). **Emerging infectious disease threats to European herpetofauna.** *Herpetological Journal*, 29(4), pp.189-206.

<https://www.thebhs.org/publications/the-herpetological-journal/volume-29-number-4-october-2019/1972-01-emerging-infectious-disease-threats-to-european-herpetofauna/file>

Allgeier, S. Friedrich, A. Brühl, C. A. (2019). **Mosquito control based on Bacillus thuringiensis israelensis (Bti) interrupts artificial wetland food chains.** *The Science of the Total Environment*, 686, pp.1173-1184.

<https://www.sciencedirect.com/science/article/pii/S0048969719324118>

Amaral, C. R. L. Chaves, A. C. S. Borges, V. N. T. Jnr. Pereira, F. Silva, B. M. Silva, D. A. Amorim, A. Carvalho, E. F. Rocha, C. F. D. (2019). **Amphibians on the hotspot: Molecular biology and conservation in the South American Atlantic Rainforest.** *PLOS One* 14(10), e0224320.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0224320&type=printable>

Amin, O. M. Heckmann, R. A. Fišer, Z. Zakšek, V. Herlyn, H. Kostanjšek, R. (2019). **Description of Acanthocephalus anguillae balkanicus subsp. n. (Acanthocephala: Echinorhynchidae) from Proteus anguinus Laurenti (Amphibia: Proteidae) and the cave ecomorph of Asellus aquaticus (Crustacea: Asellidae) in Slovenia.** *Folia Parasitologica*, 66(015), pp.1-13.

[https://www.researchgate.net/profile/Omar\\_Amin/publication/336375179\\_Description\\_of\\_Acanthocephalus\\_anguillae\\_balkanicus\\_subsp\\_n\\_Acanthocephala\\_Echinorhynchidae\\_from\\_Proteus\\_anguinus\\_Laurenti\\_Amphibia\\_Proteidae\\_and\\_the\\_cave\\_ecomorph\\_of\\_Asellus\\_aquaticus\\_Crustacea\\_Aselli/links/5da0d12892851c6b4bcd944f/Description-of-Acanthocephalus-anguillae-balkanicus-subsp-n-Acanthocephala-Echinorhynchidae-from-Proteus-anguinus-Laurenti-Amphibia-Proteidae-and-the-cave-ecomorph-of-Asellus-aquaticus-Crustacea-Asell.pdf](https://www.researchgate.net/profile/Omar_Amin/publication/336375179_Description_of_Acanthocephalus_anguillae_balkanicus_subsp_n_Acanthocephala_Echinorhynchidae_from_Proteus_anguinus_Laurenti_Amphibia_Proteidae_and_the_cave_ecomorph_of_Asellus_aquaticus_Crustacea_Aselli/links/5da0d12892851c6b4bcd944f/Description-of-Acanthocephalus-anguillae-balkanicus-subsp-n-Acanthocephala-Echinorhynchidae-from-Proteus-anguinus-Laurenti-Amphibia-Proteidae-and-the-cave-ecomorph-of-Asellus-aquaticus-Crustacea-Asell.pdf)

Amorim, F. O. Pimentel, L. A. Machado, L. F. Cavalcanti, A. D. C. Napoli, M. F. Juncá, F. A. (2019). **New records of Batrachochytrium dendrobatidis in the state of Bahia, Brazil: histological analysis in anuran amphibian collections.** *Diseases of Aquatic Organisms*, 136(2), pp.147-155.

<https://doi.org/10.3354/dao03402>

Anciutti, M. A. C. De Bastiani, V. L. M. Dal Magro, J. Carasek, F. L. Baldissera, R. Luca, E. M. (2019). **Local and landscape factors affecting tadpole diversity in subtropical Atlantic Forest streams.** *Austral Ecology*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/aec.12775>

Anderson, N. K. Gutierrez, S. O. Bernal, X. E. (2019). **From forest to city: urbanization modulates relative abundance of anti-predator coloration.** *Journal of Urban Ecology*, 5(1), juz016.

<https://doi.org/10.1093/jue/juz016>

Araujo-Vieira, K. Blotto, B. L. Caramaschi, U. Haddad, C. F. B. Faivovich, J. Grant, T. (2019). **A total evidence analysis of the phylogeny of hatchet-faced treefrogs (Anura: Hylidae: Sphaenorhynchus).** (Report) *Cladistics*, 35(5), p.469-477.

<https://onlinelibrary.wiley.com/doi/10.1111/cla.12367>

Arias-Robledo, G. Wall, R. Szpila, K. Shpeley, D. Whitworth, T. Stark, T. King, R. A. Stevens, J. R. (2019). **Ecological and geographical speciation in Lucilia bufonivora: The evolution of amphibian obligate parasitism.** *JP: Parasites and Wildlife*, 10, pp.218-230.

[https://www.researchgate.net/profile/Gerardo\\_Arias\\_Robledo/publication/335974713\\_Ecological\\_and\\_geographical\\_speciation\\_in\\_Lucilia\\_blowflies\\_Evolution\\_of\\_amphibian\\_obligate\\_parasitism/links/5d9237aca6fdcc2554a9647e/Ecological-and-geographical-speciation-in-Lucilia-blowflies-Evolution-of-amphibian-obligate-parasitism.pdf](https://www.researchgate.net/profile/Gerardo_Arias_Robledo/publication/335974713_Ecological_and_geographical_speciation_in_Lucilia_blowflies_Evolution_of_amphibian_obligate_parasitism/links/5d9237aca6fdcc2554a9647e/Ecological-and-geographical-speciation-in-Lucilia-blowflies-Evolution-of-amphibian-obligate-parasitism.pdf)

Arntzen, J. W. (2019). **An amphibian species pushed out of Britain by a moving hybrid zone.** *Molecular Ecology*, Accepted Article.

<https://doi.org/10.1111/mec.15285>

Bahuguna, V. Chowdhary, A. K. Singh, S. Bhatt, G. Bhardwaj, S. Lohani, N. Bahuguna, S. (2019). **A food spectrum analysis of three bufonid species (Anura: Bufonidae) from Uttarakhand region of the western Himalaya, India.** *The Journal of Threatened Taxa*, 11(13), pp. 14663–14671.

<https://threatenedtaxa.org/index.php/JoTT/article/view/4335/6489>

Barzaghi, B. Blaimont, P. Manenti, R. (2019). **Detection of non-consumptive effects of predation and intraspecific aggression in fire salamander larvae: environmental issues.** *North-Western Journal of Zoology*, Online first, Uncorrected Proof, Article No e181503.

<https://pdfs.semanticscholar.org/2f7c/f74a5fc86afbfa882f1ae9e93eafc0d391b9.pdf>

Bełcik, M. Klimaszewski, K. Pełnia-Iwanicka, E. Zajchowska, J. (2019). **Testing the habitat suitability index for great crested newt in Central Poland.** *Ecological Research*, Early View.

<https://doi.org/10.1111/1440-1703.12051>

Billerman, S. M. Jesmer, B. R. Watts, A. G. Schlichting, P. E. Fortin, M.-J. Funk, W. C. Hapeman, P. Muths, E. Murphy, M. A. (2019). **Testing theoretical metapopulation conditions with genotypic data from Boreal Chorus Frogs (*Pseudacris maculata*)**. *Canadian Journal of Zoology*, 97, e-First Article, pp.1042-1053.

<https://doi.org/10.1139/cjz-2018-0275>

Bletz, M. C. Bunk, B. Spröer, C. Biwer, P. Reiter, S. Rabemananjara, F. C. E. Schulz, S. Overmann, J. Vences, M. (2019). **Amphibian skin-associated Pigmentiphaga: Genome sequence and occurrence across geography and hosts**. *PLoS ONE* 14(10), e0223747.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0223747&type=printable>

Boschetti, J. P. De Bastiani, V. I. M. Lingnau, R. Lucas, E. M. (2019). **Bioacoustics of Pithecopus rusticus (Anura, Phyllomedusidae): A Rare Species Possibly Threatened with Extinction**. *South American Journal of Herpetology*, 14(3), pp.196-203.

<https://doi.org/10.2994/SAJH-D-17-00071.1>

Burgos, G. Narváez-Narváez, D. A. Freire-Paspuel, B. Merino-Viteri, A. Genoy-Puerto, M. A. (2019). **Development of a multiplex real-time PCR surveillance assay for monitoring the health status of Ecuadorian amphibians at risk of extinction**. *Forensic Science International: Genetics Supplement Series*, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S1875176819301581>

Cai, H. Peng, Z. Ren, R. Wang, H. (2019). **Efficient Gene Disruption via Base Editing Induced Stop in Newt *Pleurodeles waltl***. *Genes*, 10(11), pp.837-844.

<https://doi.org/10.3390/genes10110837>

Camp, C. D. Soelter, T. M. Wooten, J. A. (2019). **Sexual selection and male-biased size dimorphism in a lineage of lungless salamander (Ampibia: Plethodontidae)**. *Biological Journal of the Linnean Society*, 128(2), pp.379–389.

<https://academic.oup.com/biolinnean/article-abstract/128/2/379/5543236?redirectedFrom=fulltext>

Capeletti, E. Tramontina, F. F. Tramontina, A. C. (2019). **Survey of species richness of Amphibia (Anura) in the Parque Nacional das Araucárias, Maia Passos/Ponte Serrada-SC, Brazil**. *Brazilian Journal of Development*, 5(10), pp.19012-19028.

<http://www.brjd.com.br/index.php/BRJD/article/view/3752/3552>

Carvalho, B. H. G. Struett, M. M. Leivas, P. T. (2019). **Predation of Leptodactylus notoaktites (Anura: Leptodactylidae) by Erythrolamprus miliaris (Squamata: Dipsadidae) in Atlantic Forest, Southern Brazil.** *Herpetology Notes*, 12, pp.1029-1030.

<https://www.biota.org/hn/article/view/54996>

Channing, A. Becker, F. (2019). **Correction to the type locality of Tomopterna ahli (Deckert, 1938) (Anura: Pyxicephalidae), with the designation of a neotype.** *Zootaxa*, 4688(4), Online.

<https://www.mapress.com/j/zt/article/view/zootaxa.4688.4.6>

Chen, C. Chen, C. Wang, Y. (2019). **Ecological correlates of extinction risk in Chinese amphibians.** *Diversity and Distributions*, 25(10), pp.1586-1598.

<https://onlinelibrary.wiley.com/doi/full/10.1111/ddi.12961>

Chikhlyayev, I. V. Ruchin, A. B. Fayzulin, A. I. (2019). **Parasitic nematodes of Pool Frog (*Pelophylax lessonae*) in the Volga Basin.** *Revista MVZ Córdoba*, 24(3), pp.7314-7321.

<https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&rnl=01220268&AN=139206890&h=w%2fXvosLRlcr6hhG2QxBQhzTDcDk7VVqCkNYICFkCCUrPr0rBTENQY5BxeXIG80DCTKtK9nMnjSdlpqVDwWqf9w%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnln%3d01220268%26AN%3d139206890>

Cicchino, A. S. Cairns, N. A. Bulté, G. Lougheed, S. C. (2019). **High and dry: Trade-off in arboreal calling in a treefrog mediated by local environment.** *Behavioral Ecology*, XX(XX) pp.1-9, arz169,

<https://doi.org/10.1093/beheco/atz169>

Coles, R. Reading, C. Jehle, R. (2019). **Linking effective population size dynamics to phenotypic traits in the common toad (*Bufo bufo*).** *Conservation Genetics*, 20(5), pp.987-995.

<https://link.springer.com/article/10.1007/s10592-019-01185-1>

Collins, M. K. Spear, S. F. Groves, J. D. Williams, L. A. Kuchta, S. R. (2019). **Searching for a Salamander: Distribution and Habitat of the Mudpuppy (*Necturus maculosus*) in Southeast Ohio Using eDNA as a Rapid Assessment Technique.** *The American Midland Naturalist*, 182(2), pp.191-202.

<https://bioone.org/journals/The-American-Midland-Naturalist/volume-182/issue-2/0003-0031-182.2.191/Searching-for-a-Salamander--Distribution-and-Habitat-of-the/10.1674/0003-0031-182.2.191.short>

da Silva, I. C. O. Soares, P. Miguel, M. C. Couto, R. M. P. Miranda, G. M. Alves, A. M. Paiva, F. (2019). **First record of Rhabdias cf. breviensis (Rhabditoidea: Rhabdiasidae) parasitizing Scinax acuminatus (Anura: Hylidae) in the Southern Pantanal wetland, Brazil.** *Herpetology Notes*, 12, pp.975-980.

<https://www.biota.org/hn/article/viewFile/50034/56654>

Dantas, S. P. Tavares, H. D. Pascoal, W. Saviato, M. J. Ávila, R. W. Vasconcelos, T. V. S. Oda, F. H. (2019). **New distribution records from the Brazilian Cerrado and species distribution modelling of Boana crepitans, Lithobates palmipes, Pipa pipa, and Micrurus h. hemprichii.** *Biodiversity*, Online ISSN: 2160-0651.

<https://www.tandfonline.com/doi/abs/10.1080/14888386.2019.1664931>

Díaz-Ricaurte, J. C. Guevara-Molina, E. C. Serrano, F. (2019). **Oviposition site preference and reproductive ecology of Teratohyla midas (Anura: Centrolenidae) in the Colombian Amazon.** *Journal of Natural History*, 53(29-30), pp.1811-1822.

<https://www.tandfonline.com/doi/abs/10.1080/00222933.2019.1668490>

Do Amaral, D. F. Guerra, V. Motta, A. G. C. de Melo E Silva, D. Rocha, T. L. (2019). **Ecotoxicity of nanomaterials in amphibians: A critical review.** *Science of the Total Environment*, 686, pp.332-344.

[https://www.researchgate.net/publication/333566746\\_Ecotoxicity\\_of\\_nanomaterials\\_in\\_amphibians\\_A\\_critical\\_review](https://www.researchgate.net/publication/333566746_Ecotoxicity_of_nanomaterials_in_amphibians_A_critical_review)

Donaire, R. A. M. Pallais, J. M. Z. Chung, J. S. Rizo, M. A. C. Rosales, M. de los S. Lee, J. J. Jaen, R. M. S. et al. (2019). **Constricted spatiotemporal foraging of the regenerating salamander, Bolitoglossa mombachoensis.** *Ecosphere*, 10(10), Article e02897.

<https://doi.org/10.1002/ecs2.2897>

Dos Santos, M. M. Griffiths, R. A. Jowett, T. Rock, J. Bishop, P. J. (2019). **A comparison of understanding of the amphibian crisis by zoo visitors across three countries.** *Zoo Biology*. Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/zoo.21516>

Dubinin, M. V. Tenkov, K. S. Svinin, A. O. Samartsev, V. N. Belosludtsev, K. N. (2019). **Effect of Triclosan on the Functioning of Liver Mitochondria and Permeability of Erythrocyte Membranes of Marsh Frog (Pelophylax ridibundus (Pallas, 1771)).** *The Journal of Membrane Biology*, Online ISSN 1432-1424.

<https://link.springer.com/article/10.1007/s00232-019-00099-w>

Dudek, K. Gaczkorek, T. S. Zieliński, P. Babik, W. (2019). **Massive introgression of MHC genes in newt hybrid zones.** *Molecular Ecology*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/mec.15254>

Dufresnes, C. Dubey, S. (2019). **Invasion genomics supports an old hybrid swarm of pool frogs in Western Europe.** *Biological Invasions*, Online ISSN 1573-1464, pp 1–6.

<https://link.springer.com/article/10.1007/s10530-019-02112-8>

Dwaraka, V. B. Voss, S. R. (2019). **Towards comparative analyses of salamander limb regeneration.** *JEZ-B Molecular & Developmental Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jez.b.22902>

Edwards, W. M. Griffiths, R. A. Bungard, M. J. Rakotondrasoa, E. F. Razafimanahaka, J. H. Razafindraibe, P. Andriantsimanaarilafy, R. R. Randrianantoandro, J. C. (2019). **Microhabitat preference of the critically endangered golden mantella frog in Madagascar.** *The Herpetological Journal*, 29(4), pp. 207-213.

<https://doi.org/10.33256/hj29.4.207213>

Elias-Costa, A. J. Faivovich, J. (2019). **Convergence to the tiniest detail: vocal sac structure in torrent-dwelling frogs.** *Biological Journal of the Linnean Society*, 128(2), pp.390–402.

<https://academic.oup.com/biolinnean/article-abstract/128/2/390/5532574?redirectedFrom=fulltext>

Fabrezi, M. Lozano, V. L. Cruz, J. C. (2019). **Differences in responsiveness and sensitivity to exogenous disruptors of the thyroid gland in three anuran species.** *JEZ-B Molecular and Developmental Evolution*, Early View.

<https://doi.org/10.1002/jez.b.22908>

Fahmy, M. Ravelomanantsoa, N. A. F. Youssef, S. Siddall, E. H. M. (2019). **Biological inventory of Ranomafana National Park tetrapods using leech-derived iDNA.** *European Journal of Wildlife Research*, 65:70, Online ISSN 1439-0574.

<https://link.springer.com/article/10.1007/s10344-019-1305-3>

Falaschi, M. Manenti, R. Thuiller, W. Ficetola, G. F. (2019). **Continental-scale determinants of population trends in European amphibians and reptiles.** *Global Change Biology*, 25(10), pp.3504-3515.

[https://www.researchgate.net/publication/333910965\\_Continental-scale determinants of population trends in European amphibians and reptiles](https://www.researchgate.net/publication/333910965_Continental-scale_determinants_of_population_trends_in_European_amphibians_and_reptiles)

Farrer, R. A. (2019). **Batrachochytrium salamandrivorans**. *Trends in microbiology*, 27(10), pp.892-893.

<https://www.ncbi.nlm.nih.gov/pubmed/31128929>

Feist, S. Mann, T. Graham, S. Wooten, J. Toyota, C. Mann, D. Balius, M. Polanco, J. (2019). **A morphologically cryptic salamander reveals additional hidden diversity: evidence for ancient genetic divergence in Webster's salamander, Plethodon websteri**. *Conservation Genetics*, 20(5), pp.947-960.

<https://link.springer.com/article/10.1007/s10592-019-01186-0>

Ferrante, L. Leonel, A. C. M. Gaiga, R. Kaefer, I. L. Fearnside, P. M. (2019). **Local extinction of Scinax caldarum, a treefrog in Brazil's Atlantic forest**. *Herpetological Journal* 29(4), pp.295-298.

[https://www.researchgate.net/publication/336199149\\_Local\\_extinction\\_of\\_Scinax\\_caldarum\\_a\\_treefrog\\_in\\_Brazil%27s\\_Atlantic\\_forest](https://www.researchgate.net/publication/336199149_Local_extinction_of_Scinax_caldarum_a_treefrog_in_Brazil%27s_Atlantic_forest)

Ferronato, B. de O. (2019). **An assessment of funding and publication rates in Herpetology**. *The Herpetological Journal*, 29(4), pp. 263-273.

<https://doi.org/10.33256/hj29.4.264273>

Freitas, J. S. Girotto, L. Goulart, B. V. Alho, L. de O. G. Gebara, R. C. Montagner, C. C. Schiesari, L. Espíndola, E. L. G. (2019). **Effects of 2,4-D-based herbicide (DMA® 806) on sensitivity, respiration rates, energy reserves and behavior of tadpoles**. *Ecotoxicology and Environmental Safety*, 182 Online, 109446.

<https://www.sciencedirect.com/science/article/pii/S0147651319307778>

Furness, A. I. Capellini, I. (2019). **The evolution of parental care diversity in amphibians**. *Nature Communications*, 10, Article number: 4709.

<https://www.nature.com/articles/s41467-019-12608-5.pdf>

Gade, M. R. Gould, P. R. Peterman, W. E. (2019). **Habitat-dependent responses of terrestrial salamanders to wildfire in the short-term**. *Forest Ecology and Management*, 449, 117479.

<https://www.sciencedirect.com/science/article/pii/S0378112719300246>

Gama, J. M. Gazolla, C. B. de Souza, D. Y. Recco-Pimentel, S. M. Bruschi, D. P. (2019). **Recurrent variation in the active NOR sites in the monkey frogs of the genus Pithecopus Cope, 1866 (Phyllomedusidae, Anura).** *Comparative Cytogenetics* 13(4), pp.325–338.

<https://compcytogen.pensoft.net/article/37687/>

Ganesh, C. B. Bhat, S. K. Prathima, M. S. Hebbal, S. Y. (2019). **Tyrosine hydroxylase-immunoreactive neurons in the brain of tadpole of the narrow mouthed frog Microhyla ornata.** *Journal of Chemical Neuroanatomy*, In Press, Journal Pre-proof.

<https://doi.org/10.1016/j.jchemneu.2019.101704>

Garcia, M. Rodríguez-Brenes, S. Kobisk, A. Adler, L. Ryan, M. Taylor, R. Hunter, K. (2019). **Epigenomic changes in the túngara frog (Physalaemus pustulosus): possible effects of introduced fungal pathogen and urbanization.** *Evolutionary Ecology*, 33(5), pp.671-686.

<https://link.springer.com/article/10.1007/s10682-019-10001-8>

Garcia-Recinos, L. Burrowes, P. Dominguez-Bello, M. (2019). **The skin microbiota of Eleutherodactylus frogs: effects of host ecology, phylogeny, and local environment.** *Frontiers in Microbiology*, Provisionally Accepted.

<https://www.frontiersin.org/articles/10.3389/fmicb.2019.02571/abstract>

Gómez, V. I. Kehr, A. I. (2019). **Effect of soil disturbance by agricultural activities on the life history traits of monkey frog (Pithecopus azureus).** *Environmental Monitoring and Assessment*, 191:608.

<https://link.springer.com/article/10.1007/s10661-019-7663-1>

Greenberg, K. Zarnoch, S. J. Austin, J. D. (2019). **Short-term response to season of burn by amphibians and reptiles in a Florida longleaf pine-wiregrass sandhill.** *Canadian Journal of Forest Research*, e-First Article.

<https://doi.org/10.1139/cjfr-2019-0219>

Guillory, W. X. French, C. M. Twomey, E. M. Chávez, G. Prates, I. von May, R. De la Riva, I. Lötters, S. Reichle, S. Serrano-Rojas, S. J. Whitworth, A. Brown, J. L. (2019). **Phylogenetic relationships and systematics of the Amazonian poison frog genus Ameerega using ultraconserved genomic elements.** *Molecular Phylogenetics and Evolution*, In Press, Journal Pre-proof

<https://www.sciencedirect.com/science/article/pii/S1055790319304609>

Haskins, D. L. Korotasz, A. M. Bryan, A. L. (2019). **Mercury Concentrations in the Two-Toed Amphiuma (Amphiuma means) and the Lesser Siren (Siren intermedia): Validating Non-lethal Sampling Methods in Southeastern Aquatic Salamanders.** (Report). *Archives of Environmental Contamination and Toxicology*, 77(3), p.330-335.

<https://link.springer.com/article/10.1007/s00244-019-00657-2>

Held, L. I. Jr. Sessions, S. K. (2019). **Reflections on Bateson's rule: Solving an old riddle about why extra legs are mirror-symmetric.** *JEZ-B Molecular & Developmental Evolution*, Early View.

<https://doi.org/10.1002/jez.b.22910>

Hernandez, A. (2019). **First observations on cave breeding in Salamandra algira splendens from north-eastern Morocco.** *The Herpetological Bulletin* 149, pp.34-37

[https://www.researchgate.net/profile/Axel\\_Hernandez/publication/335870554\\_First\\_observations\\_on\\_cave\\_breeding\\_in\\_Salamandra\\_algira\\_splendens\\_from\\_north-eastern\\_Morocco/links/5d876f3e458515cbd1b3403a/First-observations-on-cave-breeding-in-Salamandra-algira-splendens-from-north-eastern-Morocco.pdf](https://www.researchgate.net/profile/Axel_Hernandez/publication/335870554_First_observations_on_cave_breeding_in_Salamandra_algira_splendens_from_north-eastern_Morocco/links/5d876f3e458515cbd1b3403a/First-observations-on-cave-breeding-in-Salamandra-algira-splendens-from-north-eastern-Morocco.pdf)

Hernández-Martínez, L. A. Romero-Méndez, U. González-Barrios, J. L. García-De la Peña, C. Amézquita-Torres, A. (2019). **New records and prevalence of Batrachochytrium dendrobatidis in anurans from the Nazas-Aguanaval basin in the north-central region of Mexico.** *Revista Mexicana de Biodiversidad* 90, e902934

[https://www.researchgate.net/profile/Cristina\\_Garcia-De\\_La\\_Pena/publication/336250751\\_New\\_records\\_and\\_prevalence\\_of\\_Batrachochytrium\\_dendrobatis\\_in\\_anurans\\_from\\_the\\_Nazas-Aguanaval\\_basin\\_in\\_the\\_north-central\\_region\\_of\\_Mexico/links/5d96960b458515c1d391baa6/New-records-and-prevalence-of-Batrachochytrium-dendrobatis-in-anurans-from-the-Nazas-Aguanaval-basin-in-the-north-central-region-of-Mexico.pdf](https://www.researchgate.net/profile/Cristina_Garcia-De_La_Pena/publication/336250751_New_records_and_prevalence_of_Batrachochytrium_dendrobatis_in_anurans_from_the_Nazas-Aguanaval_basin_in_the_north-central_region_of_Mexico/links/5d96960b458515c1d391baa6/New-records-and-prevalence-of-Batrachochytrium-dendrobatis-in-anurans-from-the-Nazas-Aguanaval-basin-in-the-north-central-region-of-Mexico.pdf)

Homola, J. J. Loftin, C. S. Kinnison, M. T. (2019). **Landscape genetics reveals unique and shared effects of urbanization for two sympatric pool-breeding amphibians.** *Ecology and Evolution*, 00, pp.1–25.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/ece3.5685>

Hoover, G. Kar, S. Guffey, S. Leszczynski, J. Sepúlveda, M. S. (2019). **In vitro and in silico modeling of perfluoroalkyl substances mixture toxicity in an amphibian fibroblast cell line.** *Chemosphere*, 233, C, pp.25-33

<https://www.sciencedirect.com/science/article/pii/S0045653519309634>

Huaimei, Y. Wong, A. Zakaria, M. A. B. (2019). **Diversity of Frogs in Tawau Hills Park, Sabah, Malaysia.** *Journal of Tropical Biology and Conservation* 16, pp.225–247. E-ISSN 2550-1909.

<https://jurcon.ums.edu.my/ojums/index.php/jtbc/article/view/2041>

Huang, Y. Zhao, W. Ding, L. Bao, X. Wang, J. Lin, Y. Ran, J. Yang, D. Zou, H. Liu, J. (2019). **Habitat Selection and Genetic Structure of the Endangered Frog Species Odorrana wuchuanensis (Anura: Ranidae).** *Zoological Science*, 36(5), pp.402-409.

<https://doi.org/10.2108/zs180141>

Igawa, T. Takahara, T. Lau, Q. Komaki, S. (2019). **An application of PCR-RFLP species identification assay for environmental DNA detection.** *PeerJ*, 7, p.e7597.

<https://peerj.com/articles/7597.pdf>

Igawa, T. Sugawara, H. Honda, M. Tominaga, A. Oumi, S. Katsuren, S. Ota, H. Matsui, M. Sumida, M. (2019). **Detecting inter- and intra-island genetic diversity: population structure of the endangered crocodile newt, Echinotriton andersoni, in the Ryukyus.** *Conservation Genetics*, pp 1–14.

<https://link.springer.com/article/10.1007/s10592-019-01219-8>

Jameson, T. J. M. Blankenship, J. Christensen, T. Lopez, J. Garcia, G. (2019). **Wild diet of the critically endangered mountain chicken (*Leptodactylus fallax*).** *The Herpetological Journal*, 29(4), pp.299-303.

<https://doi.org/10.33256/hj29.4.299303>

Jaÿ, M. Freddi, L. Mick, V. Durand, B. Girault, G. Perrot, L. Taunay, B. Vuilmet, T. Azam, D. Ponsart, C. Zanella, G. (2019). **Brucella microti-like prevalence in French farms producing frogs.** *Transboundary and Emerging Diseases*, Accepted Article.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/tbed.13377>

Jorgewich-Cohen, G. Cavalcanti, I. R. S. Kanasiro, A. (2019). **Abnormalities in hylid frogs: a case study of schizodactyly in the striped snouted treefrog, Scinax squalirostris (Lutz, 1925) (Amphibia: Anura: Hylidae).** *Herpetology Notes*, 12, pp.1015-1018.

<https://www.biota.org/hn/article/viewFile/53169/57109>

Kacevas, N. Gobel, N. Laborda, A. Laufer, G. (2019). **Predation on Pseudopaludicola falcipes (Hensel, 1867) (Anura: Leptodactylidae) by Lycosa thorelli (Keyserling, 1877) (Araneae: Lycosidae).** *Herpetology Notes*, 12, pp.999-1000.

<https://www.biota.org/hn/article/viewFile/49771/57105>

Kamoroff, C. Daniele, N. Grasso, R. L. Rising, R. Espinoza, T. Goldberg, C. S. (2019). **Effective removal of the American bullfrog (*Lithobates catesbeianus*) on a landscape level: long term monitoring and removal efforts in Yosemite Valley, Yosemite National Park.** *Biological Invasions*, Online ISSN 1573-1464.

<https://link.springer.com/content/pdf/10.1007%2Fs10530-019-02116-4.pdf>

Kirchmeyer, J. Ruggeri, J. Gomes, M. do R. de Carvalho-e-Silva, S. P. (2019). **The Tadpole of *Scinax cardosoi* (Carvalho-e-Silva and Peixoto, 1991), with Description of Internal Oral Morphology and Taxonomic Considerations (Anura: Hylidae).** *South American Journal of Herpetology* 14(3), pp.188-195.

<https://bioone.org/journals/South-American-Journal-of-Herpetology/volume-14/issue-3/SAJH-D-17-00043.1/---Custom-HTML---The/10.2994/SAJH-D-17-00043.1.short>

Knauth, D. S. Pires, M. M. Stenert, C. Maltchik, L. (2019). **Disentangling the role of niche-based and spatial processes on anuran beta diversity in temporary ponds along a forest–grassland transition.** *Aquatic Sciences*, 81:63, Online, pp.1-13.

<https://link.springer.com/article/10.1007/s00027-019-0658-8>

Komine, H. Watari, Y. Kaji, K. (2019). **Ecological Character Displacement in Non-Congeneric Frogs.** *Zoological Science*, 36(5), pp.410-416.

<https://bioone.org/journals/Zoological-Science/volume-36/issue-5/zs190037/Ecological-Character-Displacement-in-Non-Congeneric-Frogs/10.2108/zs190037.full>

Koscinski, D. Handford, P. Tubaro, P. L. Li, P. Lougheed, S. C. (2019). **Phylogeography of two Andean frogs: Test of vicariance versus elevational gradient models of diversification.** *BioRxiv*, Online.

<https://doi.org/10.1101/819557>

Kumar, K. S. George, S. (2019). **Development and characterization of ten polymorphic microsatellites of the Western Ghats frog *Indirana semipalmata* and cross amplification in related species.** *Molecular Biology Reports*, 46(5), pp.5487–5492.

[https://www.researchgate.net/publication/333081669\\_Development\\_and\\_characterization\\_of\\_ten\\_polymorphic\\_microsatellites\\_of\\_the\\_Western\\_Ghats\\_frog\\_Indirana\\_semipalmata\\_and\\_cross\\_amplification\\_in\\_related\\_species](https://www.researchgate.net/publication/333081669_Development_and_characterization_of_ten_polymorphic_microsatellites_of_the_Western_Ghats_frog_Indirana_semipalmata_and_cross_amplification_in_related_species)

Kundey, S. M. A. Phillips, M. (2019). **Tiger salamanders' (*Ambystoma tigrinum*) use of features.** *Behavioural Processes*, 167, 103919

<https://www.sciencedirect.com/science/article/abs/pii/S0376635719301470>

Lajmanovich, R. C. Peltzer, P. M. Attademo, A. M. Martinuzzi, C. S. Simoniello, M. S. Colussi, C. L. Boccioni, A. P. C. Sigrist, M. (2019). **First evaluation of novel potential synergistic effects of glyphosate and arsenic mixture on *Rhinella arenarum* (Anura: Bufonidae) tadpoles.** *Helyon*, 5(10), e02601.

<https://www.sciencedirect.com/science/article/pii/S2405844019362619>

Laurin, M. Lapauze, O. Marjanović, D. (2019). **What do ossification sequences tell us about the origin of extant amphibians?** *BioRxiv*, Preprint Online.

<https://www.biorxiv.org/content/10.1101/352609v3>

Lazcano, D. Reyes, M. N de L. García-Padilla, E. Johnson, J. D. Mata-Silva, V. DeSantis, D. L. Wilson, L. D. (2019). **The herpetofauna of Coahuila, Mexico: composition, distribution, and conservation status.** *Amphibian & Reptile Conservation* 13(2), pp.31–94 (e189).

[https://www.researchgate.net/profile/Eli\\_Garcia-Padilla3/publication/336497942\\_The\\_herpetofauna\\_of\\_Coahuila\\_Mexico\\_composition\\_distribution\\_and\\_conservation\\_status/links/5da382e445851553ff8e8c1c/The-herpetofauna-of-Coahuila-Mexico-composition-distribution-and-conservation-status.pdf](https://www.researchgate.net/profile/Eli_Garcia-Padilla3/publication/336497942_The_herpetofauna_of_Coahuila_Mexico_composition_distribution_and_conservation_status/links/5da382e445851553ff8e8c1c/The-herpetofauna-of-Coahuila-Mexico-composition-distribution-and-conservation-status.pdf)

Lima, J. E. de P. Margarido, V. P. Moresco, R. M. Rodrigues, D. de J. (2019). **Analysis of the mitochondrial D-Loop reveals that neither river boundaries nor geographic distance structure the fine-scale genetic variation of an Amazonian treefrog.** *Hydrobiologia*, Online ISSN 1573-5117, pp 1–10.

<https://link.springer.com/article/10.1007/s10750-019-04069-0>

Lisboa, B. S. dos Santos, W. F. S. da Silva, S. T. Guarnieri, M. C. Mott, T. (2019). **A new state record of the glassfrog *Vitreorana baliomma*(Anura: Centrolenidae), with notes on its reproductive biology.** *Herpetology Notes*, 12, pp.957-960.

<https://www.biota.org/hn/article/viewFile/39620/56650>

Loder, A. L. Weeber, R. Wong, S. N. P. Spooner, I. S. Mallory, M. L. (2019). **Correlates of Waterbody Characteristics and the Occurrence or Diversity of Larval Amphibians in Central Ontario, Canada.** *Bulletin of environmental contamination and toxicology*, 103(4), pp.571-578.

<https://link.springer.com/article/10.1007/s00128-019-02698-8>

Lourenço-de-Moraes, R. Campos, F. S. Ferreira, R. B. Beard, K. H. Solé, M. Llorente, G. A. Bastos, R. P. (2019). **Functional traits explain amphibian distribution in the Brazilian Atlantic Forest.** *Journal of Biogeography*, 00, Early View, pp.1–13

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.13727>

Lowe, W. Addis, B. (2019). **Matching habitat choice and plasticity contribute to phenotype–environment covariation in a stream salamander.** *Ecology*, 100(5), e02661.

[http://hs.umt.edu/dbs/labs/lowe/documents/publications/Lowe\\_et\\_al-2019-Ecology.pdf](http://hs.umt.edu/dbs/labs/lowe/documents/publications/Lowe_et_al-2019-Ecology.pdf)

Lüdtke, D. U. Foerster, K. (2019). **A female color ornament honestly signals fecundity.** *Frontiers in Ecology & Evolution*, Provisionally Accepted Article.

<https://www.frontiersin.org/articles/10.3389/fevo.2019.00432/abstract>

Mačát, Z. Rulík, M. Jablonski, D. Reiter, A. Jeřábková, L. Rada, S. Mikulíček, P. (2019). **Species-specific habitat preferences do not shape the structure of a crested newt hybrid zone (*Triturus cristatus* x *T. carnifex*).** *Ecology & Evolution*, Early View.

<https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5683>

Malekian, M. Khoshnamvand, H. Keivany, Y. (2019). **Morphological assessment raises the possibility of cryptic species within the Luristan newt, Neurergus kaiseri (Amphibia: Salamandridae).** *The Herpetological Journal*, 29(4), pp. 237-244.

<https://doi.org/10.33256/hj29.4.237244>

McCullough, I. M. King, K. B. S. Stachelek, J. Diaz, J. Soranno, P. A. Cheruvellil, K. S. (2019). **Applying the patch-matrix model to lakes: a connectivity-based conservation framework.** *Landscape Ecology*, Online ISSN 1572-9761, pp.1–16.

<https://link.springer.com/article/10.1007/s10980-019-00915-7>

McDermott, A. (2019). **Fighting a fungal scourge.** *PNAS*, 116(41), pp.20245–20249.

<https://www.pnas.org/content/pnas/116/41/20245.full.pdf>

McDonald, C. A. Ellison, A. R. Toledo, L. F. James, T. Y. Zamudio, K. R. (2019). **Gene expression varies within and between enzootic and epizootic lineages of *Batrachochytrium dendrobatidis* (Bd) in the Americas.** *Fungal Biology*, In Press, Journal Pre-proof.

[https://www.sciencedirect.com/science/article/pii/S1878614618303738?fbclid=IwAR1rf6AgBkBX\\_QNQAEBoY0McwWRpxbs2E7X89P5Xj5Ah3OuNcDe72ScoBJ0](https://www.sciencedirect.com/science/article/pii/S1878614618303738?fbclid=IwAR1rf6AgBkBX_QNQAEBoY0McwWRpxbs2E7X89P5Xj5Ah3OuNcDe72ScoBJ0)

Miaud, C. Llorente, G. (2019). **Genetic relationships and diversity patterns within the invasive range of the Mediterranean Painted Frog.** *Journal of Zoology*, 309(2), pp.125-132.

<https://zslpublications.onlinelibrary.wiley.com/doi/10.1111/jzo.12703>

Moen, D. S. (2019). **What Determines the Distinct Morphology of Species with a Particular Ecology? The Roles of Many-to-One Mapping and Trade-Offs in the Evolution of Frog Ecomorphology and Performance.** *The American Naturalist*, 194(4), pp.E81-E95.

<https://www.ncbi.nlm.nih.gov/pubmed/31490721>

Mokhatla, M. Measey, J. Smit, B. (2019). **The role of ambient temperature and body mass on body temperature, standard metabolic rate and evaporative water loss in southern African anurans of different habitat specialisation.** *PeerJ*, 7, e7885.

<https://peerj.com/articles/7885/>

Monroy-Vilchis, O. Heredia-Bobadilla, R.-L. Zarco-González, M. M. Ávila-Akerberg, V. Sunny, A. (2019). **Genetic diversity and structure of two endangered mole salamander species of the Trans-Mexican Volcanic Belt.** *Herpetozoa* 32, pp.237–248.

[https://www.researchgate.net/publication/335774411\\_Genetic\\_diversity\\_and\\_structure\\_of\\_two\\_endangered\\_mole\\_salamander\\_species\\_of\\_the\\_Trans-Mexican\\_Volcanic\\_Belt](https://www.researchgate.net/publication/335774411_Genetic_diversity_and_structure_of_two_endangered_mole_salamander_species_of_the_Trans-Mexican_Volcanic_Belt)

Muscat, E. Augusto-Alves, G. Toledo, L. F. Tanaka, R. M. Stuginski, D. R. (2019). **Multimale amplexus, amplexant and advertisement calls, and tadpole development in Ololygon perpusilla (Lutz and Lutz, 1939).** *Herpetology Notes*, 12, pp.1067-1072.

<https://www.biotaxa.org/hn/article/view/53941/58282?fbclid=IwAR3py71No1ZlPeadqmD8P59ejalhX7YuMJk1O4U1TExyqvPJQQi7ABSO0DM>

Najbar, A. Konowalik, A. Halupka, K. Najbar, B. Ogielska, M. (2019). **Body size and life history traits of the fire salamander Salamandra salamandra from Poland.** *Amphibia-Reptilia*, Online, pp.1-12.

<https://brill.com/view/journals/amre/aop/article-10.1163-15685381-20191135.xml>

Narayan, E. Gabor, C. R. Forsburg, Z. R. Davis, D. (2019). **Non-invasive methods for measuring and monitoring stress physiology in imperiled amphibians.** *Frontiers in Ecology & Evolution*, Provisionally Accepted Article, doi: 10.3389/fevo.2019.00431.

<https://www.frontiersin.org/articles/10.3389/fevo.2019.00431/abstract>

Nossa, D. N. Dias, L. C. S. Acosta, I. C. L. Martins, T. F. Srbek-Araujo, A. C. (2019). **Parasitism by Amblyomma rotundatum (Acari: Ixodidae) on Rhinella diptycha (Anura: Bufonidae) in the Atlantic Forest: geographic expansion of species interactions.** *Herpetology Notes*, 12, pp.981-985.

<https://www.biota.org/hn/article/view/50116>

O'donohoe, M. E. A. Luna, M. C. Regueira, E. Brunetti, A. E. Basso, N. G. Lynch, J. D. Pereyra, M. O. Hermida, G. N. (2019). **Diversity and evolution of the parotoid macrogland in true toads (Anura: Bufonidae).** *Zoological Journal of the Linnean Society*, 187(2), pp.453–478.

<https://academic.oup.com/zoolinnean/article-abstract/187/2/453/5498960>

Oliveira, C. R. Garcia, T. D. Franco-Belussi, L. Sallad, L. F. Souza, B. F. S. de Melo, M. F. S. Irazust, S. P. Jones-Costa, M. B. Silva-Zacarin, E. C. M. Fraceto, L. F. (2019). **Pyrethrum extract encapsulated in nanoparticles: Toxicity studies based on genotoxic and hematological effects in bullfrog tadpoles☆.** *Environmental Pollution*, 253, pp.1009-1020.

<https://www.sciencedirect.com/science/article/pii/S0269749119313636>

Oyake, N. Sasaki, N. Yamaguchi, A. Fujita, H. Tagami, M. Ikeya, K. Takagi, M. Kobayashi, M. Abe, H. Kishida, O. (2019). **Comparison of susceptibility to a toxic alien toad (*Bufo japonicus formosus*) between predators in its native and invaded ranges.** *Freshwater Biology*, Early View.

<https://doi.org/10.1111/fwb.13417>

Pahor-Filho, E. Mansano, C. F. M. Pereira, M. M. De Stéfani, M. V. (2019). **The most frequently bullfrog productive systems used in Brazilian aquaculture: a review.** *Aquacultural Engineering*, 102023, In Press, Journal Pre-proof.

<https://www.sciencedirect.com/science/article/pii/S0144860919300329>

Pathirana, N. U. K. Meegaskumbura, M. Rajakaruna, R. S. (2019). **Host resistance and tolerance to parasitism: development-dependent fitness consequences in common hourglass tree frog (Rhacophoridae: Polypedates cruciger) tadpoles exposed to two larval trematodes.** *Canadian Journal of Zoology*, Draft Online.

<https://tspace.library.utoronto.ca/bitstream/1807/96904/1/cjz-2018-0126.pdf>

Paunescu, A. Fierascu, I. Fierascu, R. C. Ponepal, C. M. Mihaescu, C. Soare, L. C. (2019). **Histopathological Alteration on Marsh Frog Skin Induced by the Action of Dual Gold 960EC Herbicide†.** *Proceedings*, 29(1)124.

<https://www.mdpi.com/2504-3900/29/1/124>

Peace, A. O'Regan, S. M. Spatz, J. A. Reilly, P. N. Hilld, R. D. Carter, E. D. Wilkes, R. P. Waltzek, T. B. Miller, D. L. Gray, M. J. (2019). **A highly invasive chimeric ranavirus can decimate tadpole populations rapidly through multiple transmission pathways.** *Ecological Modelling*, 410, 108777.

<https://www.sciencedirect.com/science/article/pii/S0304380019302856>

Pettitt, B. A. Bourne, G. R. Bee, M. A. (2019). **Females prefer the calls of better fathers in a Neotropical frog with biparental care.** *Behavioral Ecology*, arz172,

<https://doi.org/10.1093/beheco/artz172>

Pincheira-Donoso, D. Meiri, S. Jara, M. Olalla-Tárraga, M. Á. Hodgson, D. J. (2019). **Global patterns of body size evolution are driven by precipitation in legless amphibians.** *Ecography*, 42(10), pp.1682-1690.

[https://www.researchgate.net/publication/333916416\\_Global\\_patterns\\_of\\_body\\_size\\_evolution\\_are\\_driven\\_by\\_precipitation\\_in\\_legless\\_amphibians](https://www.researchgate.net/publication/333916416_Global_patterns_of_body_size_evolution_are_driven_by_precipitation_in_legless_amphibians)

Poo, S. Hinkson, K. M. (2019). **Amphibian conservation using assisted reproductive technologies: Cryopreserved sperm affects offspring morphology, but not behavior, in a toad.** *Global Ecology and Conservation*, In Press, Journal Pre-proof, e00809.

<https://www.sciencedirect.com/science/article/pii/S2351989419303567>

Puschendorf, R. Wallace, M. Chavarría, M. M. Crawford, A. J. Wynne, F. Knight, M. Janzen, D. H. Hallwachs, W. Palmer, C. V. Price, S. J. (2019). **Cryptic diversity and ranavirus infection of a critically endangered Neotropical frog before and after population collapse.** *Animal Conservation*, 22(5), pp.515-524.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/acv.12498>

Ramamonjisoa, N. Mori, A. (2019). **Growth, developmental, and size structure responses in tadpole prey under increasing threat from gape-limited newts.** *Canadian Journal of Zoology*, Early View.

[https://www.nrcresearchpress.com/doi/abs/10.1139/cjz-2019-0067?mobileUi=0#.Xa\\_HJGZS-00](https://www.nrcresearchpress.com/doi/abs/10.1139/cjz-2019-0067?mobileUi=0#.Xa_HJGZS-00)

Reed, M. D. Iceman, K. E. Harris, M. B. Taylor, B. E. (2019). **Buccal rhythmogenesis and CO<sub>2</sub> sensitivity in *Lithobates catesbeianus* tadpole brainstems across metamorphosis.** *Respiratory Physiology & Neurobiology*, 268, 103251.

<https://www.sciencedirect.com/science/article/pii/S1569904819301090>

Reyda, F. B. Wells, S. M. Ermolenko, A. V. Zietara, M. S. Lumme, J. I. (2019). **Global parasite trafficking: Asian Gyrodactylus (Monogenea) arrived to the U.S.A. via invasive fish Misgurnus anguillicaudatus as a threat to amphibians.** *Biological Invasions*, Online ISSN 1573-1464.

<https://link.springer.com/article/10.1007/s10530-019-02097-4>

Rhoo, K. H. Edholm, E. S. Forzán, M. J. Khan, A. Waddle, A. W. Pavelka, M. S. Jr. Robert, J. (2019). **Distinct Host-Mycobacterial Pathogen Interactions between Resistant Adult and Tolerant Tadpole Life Stages of Xenopus laevis.** *Journal of Immunology*, Online ISSN: 1550-6606.

<https://europepmc.org/abstract/med/31591148>

Richard, Y. Vieites, D. R. Ratsoavina, F. M. (2019). **Complete mitochondrial genome of the Malagasy poison frog Mantella baroni through RNAseq.** *Cogent Biology*, 5(1), Article: 1679327.

<https://www.tandfonline.com/doi/full/10.1080/23312025.2019.1679327>

Robinson, K. A. Pereira, K. E. Bletz, M. C. Carter, E. D. Gray, M. J. Piovia-Scott, J. Romansic, J. M. Woodhams, D. C. Fritz-Laylin, L. (2019). **Isolation and maintenance of Batrachochytrium salamandrivorans cultures.** *BioRxiv*, Early View. DOI: 10.1101/79692.

<https://www.biorxiv.org/content/biorxiv/early/2019/10/08/796920.full.pdf>

Rojas-Hucks, S. Gutleb, A. C. Gonzalez, C. M. Contal, S. Mehennaoui, K. Jacobs, A. Witters, H. E. (2019). **Xenopus laevis as a Bioindicator of Endocrine Disruptors in the Region of Central Chile.** (Report). *Archives of Environmental Contamination and Toxicology*, 77(3), p.390-408.

<https://www.ncbi.nlm.nih.gov/pubmed/31422435>

Ruggeri, J. Ribeiro, L. Pontes, M. Toffolo, C. Candido, M. Carriero, M. Zanella, N. de Sousa, R. L. M. Toledo, L. F. (2019). **First Case of Wild Amphibians Infected with Ranavirus in Brazil.** *Journal of Wildlife Diseases*, 55(4), Online.

[https://www.researchgate.net/publication/333088972\\_First\\_Case\\_of\\_Wild\\_Amphibians\\_Infected\\_with\\_Ranavirus\\_in\\_Brazil](https://www.researchgate.net/publication/333088972_First_Case_of_Wild_Amphibians_Infected_with_Ranavirus_in_Brazil)

Ruggeri, J. Ribeiro, L. P. Pontes, M. R. Toffolo, C. Candido, M. Carriero, M. M. Zanella, N. Sousa, R. L. M. Toledo, L. F. (2019). **Discovery of Wild Amphibians Infected with Ranavirus in Brazil.** *Journal of Wildlife Diseases*, 55(4), pp.897-902.

<https://doi.org/10.7589/2018-09-224>

Russell, I. D. Larson, J. G. von May, R. Holmes, I. A. James, T. Y. Davis Rabosk, A. R. (2019). **Widespread chytrid infection across frogs in the Peruvian Amazon suggests critical role for low elevation in pathogen spread and persistence.** *PLoS ONE* 14(10), e0222718.

<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0222718&type=printable>

Sarker, G. C. Wostl, E. Thammachoti, P. Sidik, I. Hamidy, A. Kurniawan, N. Smith, E. N. (2019). **New species, diversity, systematics, and conservation assessment of the Puppet Toads of Sumatra (Anura: Bufonidae: Sigalegalephryne).** *Zootaxa*, 4679(2), pp.365-391.

<https://www.mapress.com/j/zt/article/view/zootaxa.4679.2.9>

Sauer, E. L. Cohen, J. M. Lajeunesse, M. J. McMahon, T. A. Civitello, D. J. Knutie, S. A. Nguyen, K. Roznik, E. A. Sears, B. F. Bessler, S. Delius, B. K. Halstead, N. Ortega, N. Venesky, M. D. Young, S. Rohr, J. R. (2019). **A meta-analysis reveals temperature, dose, life stage, and taxonomy influence host susceptibility to a fungal parasite.** *BioRxiv*, Online.

<https://doi.org/10.1101/818377>

Schweizer, M. Miksch, L. Köhler, H.-R. Triebeskorn, R. (2019). **Does Bti (*Bacillus thuringiensis* var. *israelensis*) affect *Rana temporaria* tadpoles?** *Ecotoxicology and Environmental Safety*, 181, pp.121-129.

<https://www.sciencedirect.com/science/article/pii/S0147651319306219>

Shen, J. Fang, K. Fan, Y. Song, J. Yang, J. Shen, D. Liu, Y. Fang, G. (2019). **Dynamics of electroencephalogram oscillations underlie right-eye preferences in predatory behavior of the music frogs.** *Journal of Experimental Biology*, jeb.212175.

<https://jeb.biologists.org/content/early/2019/10/14/jeb.212175>

Sigircia, B. D. Alabas, B. Halac, B. Tug, Yuksel, H. T. Ikiz, S. (2019). **An abscess caused by *Corynebacterium pseudotuberculosis* in a Budgett's frog (*Lepidobatrachus laevis*): a case report.** *Journal of Exotic Pet Medicine*, 31, pp.57-60.

<https://www.sciencedirect.com/science/article/abs/pii/S1557506319301168>

Skorinov, D. V. Pasynkova, R. A. Litvinchuk, S. N. (2019). **Nucleolar organizer and sex chromosomes: is there a correlation between them? (by the example of anura).** *University Proceedings. Volga region*, 2 (26), pp.164-178.

[https://www.researchgate.net/scientific-contributions/2002840478\\_R\\_A\\_Pasynkova](https://www.researchgate.net/scientific-contributions/2002840478_R_A_Pasynkova)

Smith, S. N. Watters, J. L. McMillin, A. L. Davis, D. R. Farkas, J. K. Siler, C. D. (2019). **Investigating Ranavirus Prevalence in Central Oklahoma, USA, Amphibians.** *Herpetological Review*, 50(3), pp.508–512.

[https://www.researchgate.net/profile/Jessa\\_Watters/publication/336216594\\_Investigating\\_Ranavirus\\_Prevalence\\_in\\_Central\\_Oklahoma\\_USA\\_Amphibians/links/5d949fd1458515202b7bfb6e/Investigating-Ranavirus-Prevalence-in-Central-Oklahoma-USA-Amphibians.pdf](https://www.researchgate.net/profile/Jessa_Watters/publication/336216594_Investigating_Ranavirus_Prevalence_in_Central_Oklahoma_USA_Amphibians/links/5d949fd1458515202b7bfb6e/Investigating-Ranavirus-Prevalence-in-Central-Oklahoma-USA-Amphibians.pdf)

Suk, H. Y. Kim, D.-Y. Cha, S. Min, M.-S. (2019). **The complete mitochondrial genome information of *Hynobius unisacculus* (Amphibia, Caudata, Hynobiidae) and the phylogenetic implication.** *Mitochondrial DNA Part B*, 4(2), pp.3705-3706.

<https://doi.org/10.1080/23802359.2019.1679680>

Takeuchi, T. Minamitani, F. Koriyama, K. Satoh, Y. Suzuki, K.-I. Shigenobu, S. Inoue, T. Agata, K. Hayashi, T. (2019). **The roles of hox 13 genes in newt limb development and regeneration.** *BioRxiv*, Pre-print.

<https://www.biorxiv.org/content/biorxiv/early/2019/10/01/789180.full.pdf>

Takeuchi, M. Uenishi, R. Watanabe, H. (2019). **Habitat use of the Japanese wrinkled frog (*Glandirana rugosa*) within the Shonan Region, Honshu Island, Japan.** *Biodiversity*, Online ISSN: 2160-0651.

<https://www.tandfonline.com/doi/abs/10.1080/14888386.2019.1663764>

Testud, G. Vergnes, A. Cordier, P. et al. **Automatic detection of small PIT-tagged animals using wildlife crossings.** *Animal Biotelemetry*, 7 Article 21, pp.1-9. doi:10.1186/s40317-019-0183-5.

<https://animalbiotelemetry.biomedcentral.com/track/pdf/10.1186/s40317-019-0183-5>

Tietje, M. Rödel, M.-O. Schobben, M. (2019). **The effect of geographic range and climate on extinction risk in the deep-time amphibian fossil record.** *Palaeogeography, Palaeoclimatology, Palaeoecology*, In Press, 109414.

<https://www.sciencedirect.com/science/article/abs/pii/S0031018219307011>

Timpone, L. T. Gavira, R. S. B. Andrade, D. V. (2019). **Effects of temperature and meal size on the postprandial metabolic response of *Leptodactylus latrans* (Anura, Leptodactylidae).** *JEZ-A Ecological & Integrative Physiology*, Early View.

<https://doi.org/10.1002/jez.2326>

Toscano, N. P. de Freitas, N. H. A. de Rezende, M. R. C. Provete, D. B. Lyra, M. et. al. (2019). **External Morphology and Internal Oral Features of the Tadpole of Crossodactylus caramaschii (Anura: Hylodidae).** *Journal of Herpetology*, 53(4), pp.263-271.

<https://bioone.org/journals/Journal-of-Herpetology/volume-53/issue-4/18-155/External-Morphology-and-Internal-Oral-Features-of-the-Tadpole-of/10.1670/18-155.short>

Turani, B. Aliko, V. Shkembi, E. (2019). **Characterization of Albanian water frog, Pelophylax shqipericus, sperm traits and morphology, by using phase contrast microscopy.** *Microscopy Research and Technique*, 82(10), pp.1802-1809.

[https://www.researchgate.net/publication/334510150\\_Characterization\\_of\\_Albanian\\_water\\_frog\\_Pelophylax\\_shqipericus\\_sperm\\_traits\\_and\\_morphology\\_by\\_using\\_phase\\_contrast\\_microscopy](https://www.researchgate.net/publication/334510150_Characterization_of_Albanian_water_frog_Pelophylax_shqipericus_sperm_traits_and_morphology_by_using_phase_contrast_microscopy)

Vaissi, S. Farasat, H. Mortezazadeh, A. Sharifi, M. (2019). **Incorporating habitat suitability and demographic data for developing a reintroduction plan for the critically endangered yellow spotted mountain newt, Neurergus derjugini.** *The Herpetological Journal*, 29(4), pp.282-294.

<https://doi.org/10.33256/hj29.4.282294>

Vaissi, S. Sharifi, M. (2019). **Integrating multi-criteria decision analysis with a GIS-based siting procedure to select a protected area for the Kaiser's mountain newt, Neurergus kaiseri (Caudata: Salamandridae).** *Global Ecology and Conservation*, 20, e00738.

<https://www.sciencedirect.com/science/article/pii/S2351989419303087>

Vanzetto, G. V. Slaviero, J. G. Sturza, P. F. Rutkoski, C. F. Macagnan, N. Kolcenti, C. Hartmann, P. A. Ferreira, C. M. Hartmann, M. T. (2019). **Toxic effects of pyrethroids in tadpoles of Physalaemus gracilis (Anura: Leptodactylidae).** *Ecotoxicology*, Online, pp 1–10.

<https://link.springer.com/article/10.1007/s10646-019-02115-0>

Vargas, N. D. Guimarães, M. Caorsi, V. Bordignon, D. W. Borges-Martins, M. (2019). **An experimental assessment of the antipredatory function of green dorsal coloration in poisonous Neotropical red-bellied toads.** *Journal of Zoology*, Early View.

<https://zslpublications.onlinelibrary.wiley.com/doi/abs/10.1111/jzo.12740>

Vaughan, E. R. Teshera, M. S. Kusamba, C. Edmonston, T. R. Greenbaum, E. (2019). **A remarkable example of suspected Batesian mimicry of Gaboon Vipers (Reptilia: Viperidae: Bitis gabonica) by Congolese Giant Toads (Amphibia: Bufonidae: Sclerophrys channingi).** *Journal of Natural History*, 53(29-30), pp.1853-1871.

<https://tandfonline.com/doi/full/10.1080/00222933.2019.1669730>

Velázquez-Urrieta, Y. Oceguera-Figueroa, A. León-Règagnon, V. (2019). **Two New Species of Haematoloechus (Digenea: Plagiorchidae) Parasitizing Rana brownorum (Amphibia: Ranidae) from Southeast Mexico.** *The Journal of parasitology*, 105(5), pp.724-732.

<https://www.ncbi.nlm.nih.gov/pubmed/31580787>

Vilaça, S. T. Bienentreu, J.-F. Brunetti, C. R. Lesbarrères, D. Murray, D. L. Kyle, C. J. (2019). **Frog Virus 3 Genomes Reveal Prevalent Recombination between Ranavirus Lineages and Their Origins in Canada.** *Journal of virology*, 93(20), e00765-19.

<https://jvi.asm.org/content/early/2019/07/18/JVI.00765-19/article-info?versioned=true>

Waddle, A. W. Levy, J. E. Rivera, R. van Breukelen, F. Nash, M. Jaeger, J. R. (2019). **Population-Level Resistance to Chytridiomycosis is Life-Stage Dependent in an Imperiled Anuran.** *EcoHealth*, First Online, pp 1–11.

<https://link.springer.com/article/10.1007/s10393-019-01446-y>

Walker, G. Fairclough, B. Paterson, E. (2019). **Winter presence of adult male palmate newts (*Lissotriton helveticus*) in a pond in Scotland.** *The herpetological Bulletin* 149, pp.24-27.

[https://www.researchgate.net/profile/Grant\\_Walker2/publication/336170702\\_Winter\\_presence\\_of\\_adult\\_male\\_palmate\\_newts\\_Lissotriton\\_helveticus\\_in\\_a\\_pond\\_in\\_Scotland/links/5d93622592851c33e94dac21/Winter-presence-of-adult-male-palmate-newts-Lissotriton-helveticus-in-a-pond-in-Scotland.pdf](https://www.researchgate.net/profile/Grant_Walker2/publication/336170702_Winter_presence_of_adult_male_palmate_newts_Lissotriton_helveticus_in_a_pond_in_Scotland/links/5d93622592851c33e94dac21/Winter-presence-of-adult-male-palmate-newts-Lissotriton-helveticus-in-a-pond-in-Scotland.pdf)

Wang, J. Liu, Y.-H. Martin, K. Luo, F. Meng, L.-Z. (2019). **Implications of continuous amphibian diversity monitoring in Daweishan National Nature Reserve in tropical SE Yunnan, China.** *Global Ecology & Conservation* 20, e00694.

<https://www.sciencedirect.com/science/article/pii/S2351989419301131>

Watt, A. M. Marcec-Greaves, R. Pitcher, T. E. (2019). **Time from injection of luteinizing hormone-releasing hormone analog affects sperm quality in the critically endangered Mississippi gopher frog (*Lithobates sevostus*).** *Zoo Biology*, Early View.

<https://doi.org/10.1002/zoo.21519>

Weiss, L. Jungblut, L. D. Pozzi, A. G. Zielinski, B. S. O'Connell, L. A. Hassenklöver, T. Manzini, I. (2019). **Multi-glomerular projection of single olfactory receptor neurons is conserved among amphibians.** *BioRxiv*, Pre-print.

<https://www.biorxiv.org/content/biorxiv/early/2019/10/01/788133.full.pdf>

Welsh, H. H. Jr. Cummings, A. K. Hodgson, G. R. (2019). **Metrics of disturbance in a redwood forest ecosystem: responses of stream amphibians to repeated sediment infusions.** *Ecosphere* 10(10), e02886.

<https://esajournals.onlinelibrary.wiley.com/doi/pdf/10.1002/ecs2.2886>

Wilber, M. Q. Jani, A. J. Mihaljevic, J. R. Briggs, C. J. (2019). **Fungal infection alters the selection, dispersal and drift processes structuring the amphibian skin microbiome.** *Ecology Letters*, Early View.

<https://doi.org/10.1111/ele.13414>

Wu, Y.-H. Suwannapoom, C. Poyarkov, N. Pawangkhanant, P. Xu, K. Jin, J.-Q. Murphy, R. W. Che, J. (2019). **A new species of the genus Xenophrys (Anura: Megophryidae) from northern Thailand.** *Zoological Research* 40(6), pp.564–574.

<http://www.zoores.ac.cn/CN/Y2019/V40/I6/564>

Wu, Y.-H. Suwannapoom, C. Xu, K. Chen, J.-M. Jin, J.-Q. Chen, H.-M. Murphy, R.-W. Che, J. (2019). **A new species of the genus Raorchestes (Anura: Rhacophoridae) from Yunnan Province, China.** *Zoological Research*, 40(6), pp.558-563.

<http://www.zoores.ac.cn/EN/10.24272/j.issn.2095-8137.2019.066>

Wu, Z. Zhang, Q. Wang, X. Feng, Y. Wang, S. Feng, D. Li, A. (2019). **High-throughput sequencing reveals the gut and lung prokaryotic community profiles of the Chinese giant salamander (*Andrias davidianus*).** *Molecular Biology Reports*, 46(5), pp.5143-5154.

<https://www.ncbi.nlm.nih.gov/pubmed/31364018>

Yakin, B. Y. Çiçek, K. Afsar, M. Tol, C. V. (2019). **Observation on defensive behavior of two salamanders: *Ommatotriton vittatus* (Gray, 1835) and *Triturus ivanbureschi* Arntzen & Wielstra, 2013.** *South Western Journal of Biology and Environment*, 10(1), pp.45-49.

[http://biozoojournals.ro/swjhbe/v10n1/04\\_swjhbe\\_v10n1\\_Yak%C4%B1n.pdf](http://biozoojournals.ro/swjhbe/v10n1/04_swjhbe_v10n1_Yak%C4%B1n.pdf)

Yang, Y. Servedio, M. R. Richards-Zawacki, C. L. (2019). **Imprinting sets the stage for speciation.** *Nature*, 574, pp.99–102.

<https://www.nature.com/articles/s41586-019-1599-z>

Yang, H. Liu, R. Meng, J. Wang, H. (2019). **Changes in intestinal microbial community of *Rana chensinensis* tadpoles during metamorphosis.** *Aquaculture*, Journal Pre-proof.

<https://doi.org/10.1016/j.aquaculture.2019.734606>

Zattera, M. L. Lima, L. Duarte, I. de Sousa, D. Y. Araújo, O. G. dos S. Gazoni, T. Mott, T. Recco-Pimentel, S. M. Bruschi, D. P. (2019). **Chromosome spreading of the (TTAGGG)n repeats in the Pipa carvalhoi Miranda-Ribeiro, 1937 (Pipidae, Anura) karyotype.** *Comparative Cytogenetics*, 13(3), pp.297–309.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6803351/>

Zhang, L. Zhao, H. Willard, S. Wang, Q. Jiang, W. Zhang, H.-X. Kouba, A. (2019). **Spatial distribution and seasonal movement patterns of reintroduced Chinese giant salamanders.** *BMC Zoology*, 4(7), pp.1-11.

<https://link.springer.com/content/pdf/10.1186%2Fs40850-019-0046-9.pdf>

## November

Campos, F. S. Lourenço-De-Moraes, R. Rudoy, A. Rödder, D. Llorente, G. A. Solé, M. (2019). **Ecological trait evolution in amphibian phylogenetic relationships.** *Ethology, Ecology & Evolution*, 31(6), pp.526-543.

<https://www.tandfonline.com/doi/abs/10.1080/03949370.2019.1630012?journalCode=teee20>

Ceschin, S. Abati, S. Traversetti, L. Spani, F. Del Grosso, F. Scalici, M. (2019). **Effects of the invasive duckweed Lemna minuta on aquatic animals: evidence from an indoor experiment.** *Plant Biosystems*, 153(6), pp.749-755.

<https://www.tandfonline.com/doi/abs/10.1080/11263504.2018.1549605?journalCode=tplb20>

Glaberman, S. Kiwiet, J. Aubee, C. B. (2019). **Evaluating the role of fish as surrogates for amphibians in pesticide ecological risk assessment.** *Chemosphere*, 235, pp.952-958.

<https://www.sciencedirect.com/science/article/pii/S0045653519314079>

Laurin, E. Thakur, K. Mohr, P. G. Hick, P. Crane, M. st. J. Gardner, I. A. Moody, N. J. G. Colling, A. Ernst, I. (2019). **To pool or not to pool? Guidelines for pooling samples for use in surveillance testing of infectious diseases in aquatic animals.** *Journal of Fish Diseases*, 42(11), pp.1471-1491.

<https://doi.org/10.1111/jfd.13083>

Matthews, T. Keeffe, R. Blackburn, D. C. (2019). **An identification guide to fossil frog assemblages of southern Africa based on ilia of extant taxa.** *Zoologischer Anzeiger* 283, 46-57.

<https://www.sciencedirect.com/science/article/pii/S0044523119300981?via%3Dihub>

Moretti, E. H. Titon, S. C. M. Titon, B. Jr. Marques, F. S. Gomes, F. R. (2019). **Thermal sensitivity of innate immune response in three species of Rhinella toads.** *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 237, 110542.

<https://www.sciencedirect.com/science/article/pii/S109564331930306X>

Oficialdegui, F. J. Sanchez, M. I. Monsalve-Carcano, C. Boyero, L. Bosch, J. (2019). **The invasive red swamp crayfish (*Procambarus clarkii*) increases infection of the amphibian chytrid fungus (*Batrachochytrium dendrobatidis*).** (Report). *Biological Invasions*, 21(11), p.3221-3231.

<https://link.springer.com/article/10.1007/s10530-019-02041-6>

Rebouças, R. da Silva, H. R. Sanuy, D. Sole, M. (2019). **Sexual maturity and growth of male toads (*Rhinella ornata*): A comparison between insular and mainland populations.** *Zoologischer Anzeiger* 283, pp.12-19.

<https://www.sciencedirect.com/science/article/pii/S0044523119300798>

Sievers, M. Hale, R. Parris, K. M. Melvin, S. D. Lanctôt, C. M. Swearer, S. E. (2019). **Contaminant-induced behavioural changes in amphibians: A meta-analysis.** *Science of The Total Environment*, 693, 133570.

<https://www.sciencedirect.com/science/article/pii/S0048969719334904>

Usal, M. Regnault, C. Veyrenc, S. Couturier, K. Batandier, C. Bulteau, A.-L. Lejon, D. Combourieu, B. Lafonde, T. Ravetona, M. Reynaud, S. (2019). **Concomitant exposure to benzo[a]pyrene and triclosan at environmentally relevant concentrations induces metabolic syndrome with multigenerational consequences in *Silurana (Xenopus) tropicalis*.** *Science of The Total Environment*, 689, pp.149-159.

<https://www.sciencedirect.com/science/article/pii/S0048969719329596>

**December**

Arias-Robledo, G. Wall, R. Szpila, K. Shpeley, D. Whitworth, T. Stark, T. King, R. A. Stevens, J. R. (2019). **Ecological and geographical speciation in Lucilia bufonivora: The evolution of amphibian obligate parasitism.** *International Journal of Parasitism: Parasites and Wildlife*, 10, pp.218–230.

<https://ore.exeter.ac.uk/repository/bitstream/handle/10871/39126/1-s2.0-S2213224419301907-main.pdf?sequence=3&isAllowed=y>

Campbell, L. Bower, D. S. Clulow, S. Stockwell, M. Clulow, J. Mahony, M. (2019). **Interaction between temperature and sublethal infection with the amphibian chytrid fungus impacts a susceptible frog species.** *Scientific Reports*, 9(1), Online.

<https://www.nature.com/articles/s41598-018-35874-7>

Ejilibe, C. O. Nwamba, H. O. Atama, I. C. Ani, C. L. Aguzie, I. O. Madu, J. C. Nwani, C. D. (2019). **Biochemical Responses of Bufo regularis (Reuss, 1833) Tadpole Exposed to Butaforce® and Termex® Pesticides.** *Pakistan Journal of Zoology*, 51(6), pp.2175-2180.

[https://www.researchgate.net/publication/335307717\\_Biochemical\\_Responses\\_of\\_Bufo\\_regularis\\_Reuss\\_1833\\_Tadpole\\_Exposed\\_to\\_ButaforceR\\_and\\_TermexR\\_Pesticides](https://www.researchgate.net/publication/335307717_Biochemical_Responses_of_Bufo_regularis_Reuss_1833_Tadpole_Exposed_to_ButaforceR_and_TermexR_Pesticides)

Homan, R. N. (2019) **Climate-Related Correlates of Several Metrics of Breeding Phenology in a Spotted Salamander (Ambystoma maculatum) Population in Ohio.** *Journal of Herpetology*, 53(4), pp. 257-262.

<https://doi.org/10.1670/18-131>

Li, M. Zhu, J. Wang, M. Fang, H. Zhu, G. Wang, Q. (2019). **Exposure to graphene oxide at environmental concentrations induces thyroid endocrine disruption and lipid metabolic disturbance in Xenopus laevis.** *Chemosphere*, 236, 124834.

<https://www.sciencedirect.com/science/article/pii/S0045653519320739>

Ovezmyradov, G. Öztürk, G. Yıldırım, S. (2019). **Longitudinal 16S rRNA data derived from limb regenerative tissue samples of axolotl Ambystoma mexicanum.** *Scientific Data*, 6(1), pp.1-7

<https://www.nature.com/articles/s41597-019-0077-7.pdf>

Pie, M. R. Bornschein, M. R. Ribeiro, L. F. Faircloth, B. C. McCormack, J. E. (2019). **Phylogenomic species delimitation in microendemic frogs of the Brazilian Atlantic Forest.** *Molecular Phylogenetics and Evolution*, 141, 106627.

[https://www.sciencedirect.com/science/article/pii/S1055790319302155?fbclid=IwAR2TD\\_q8dXzlbGVcg-jGYnB5U4PGzoDowp0njCVS06OcOLWH2lhjC15Hkh0](https://www.sciencedirect.com/science/article/pii/S1055790319302155?fbclid=IwAR2TD_q8dXzlbGVcg-jGYnB5U4PGzoDowp0njCVS06OcOLWH2lhjC15Hkh0)

Scorciapino, M. A. Carta, P. Pantic, J. Lukic, M. L. Lukic, A. Musale, V. Abdel-Wahab, Y. H. A. Conlon, M. (2019). **Conformational analysis and in vitro immunomodulatory and insulinotropic properties of the frog skin host-defense peptide rhinophrynin-27 and selected analogs.** *Biochimie*, 167, pp.198-206.

<https://doi.org/10.1016/j.biochi.2019.10.007>

Toscano, N. P. de Freitas, N. H. A. de Rezende, M. R. C. Provete, D. B. Lyra, M. Haddad, C. F. B. Rossa-Feres, D. de C. da Silva, F. R. (2019) **External Morphology and Internal Oral Features of the Tadpole of Crossodactylus caramaschii (Anura: Hylodidae).** *Journal of Herpetology*, 53(4), pp. 263-271.

<https://www.journalofherpetology.org/doi/abs/10.1670/18-155>

Wang, X. Chang, L. Zhao, T. Liu, L. Zhang, M. Li, C. Xie, F. Jiang, J. Zhu, W. (2019). **Metabolic switch in energy metabolism mediates the sublethal effects induced by glyphosate-based herbicide on tadpoles of a farmland frog Microhyla fissipes.** *Ecotoxicology and Environmental Safety*, 186, 109794.

<https://www.sciencedirect.com/science/article/pii/S014765131931125X>

Yu, X. Hoyle, R. L. Guo, F. Ratliff, C. M. Cantu, V. Crow, J. Xiang, L. Heatley, J. J. Zhu, G. (2019). **A Vavraia-like microsporidium as the cause of deadly infection in threatened and endangered Eurycea salamanders in the United States.** *Parasites & Vectors* 12(1), pp.1-10.

[https://www.researchgate.net/publication/331760882\\_A\\_Vavraia-like\\_microsporidium\\_as\\_the\\_cause\\_of\\_deadly\\_infection\\_in\\_threatened\\_and\\_endangered\\_Eurycea\\_salamanders\\_in\\_the\\_United\\_States](https://www.researchgate.net/publication/331760882_A_Vavraia-like_microsporidium_as_the_cause_of_deadly_infection_in_threatened_and_endangered_Eurycea_salamanders_in_the_United_States)

Zhuo-Lu, R. Na-Na, Y. Liu, L. Wu, Y. (2019). **Characterization of the complete mitochondrial genome of the mole salamander *Ambystoma talpoideum* (Caudata: Ambystomatidae).** *Conservation Genetics Resources*, 11(4), pp.397-400.

<https://link.springer.com/article/10.1007/s12686-018-1031-2>

## 2020 Journal Publications

### January

Dahms-Verster, S. Nel, A. van Vuren, J. H. J. Greenfield, R. (2019). **Biochemical responses revealed in an amphibian species after exposure to a forgotten contaminant: An integrated biomarker assessment.** *Environmental Toxicology and Pharmacology*, 73, 103272.

<https://www.sciencedirect.com/science/article/pii/S1382668919301462>

Fu, L. Li, C. Na, W. Shi, Y. B. (2020). **Thyroid hormone activates Xenopus MBD3 gene via an intronic TRE in vivo.** *Frontiers in Bioscience* (Landmark Edition) 25, pp.437-451.

<https://europepmc.org/abstract/med/31585895>

Li, M. Zhu, J. Fang, H. Wang, M. Wang, Q. Zhou, B. (2020). **Coexposure to environmental concentrations of cis-bifenthrin and graphene oxide: Adverse effects on the nervous system during metamorphic development of Xenopus laevis.** *Journal of Hazardous Materials*, 381, 120995.

<https://www.sciencedirect.com/science/article/pii/S0304389419309495>

### February

Benvindo-Souza, M. Oliveira, E. A. S. Assis, R. A. Santos, C. G. A Borges, R. E. e Silva, D. de M. Santos, L. R. de S. (2020). **Micronucleus test in tadpole erythrocytes: Trends in studies and new paths.** *Chemosphere*, 240, 124910.

<https://www.sciencedirect.com/science/article/pii/S0045653519321496>