**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.biotaxa.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 Thaumisia (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>

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/jaalas/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>

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 Ololygon 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>

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>

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>

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>

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>

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>

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>

Dias, P. H. S. Araujo-VieiraI, 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>

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>

Dudek, K. Gaczorek, T. S. Zieliński, P. Babik, W. (2019). **Pervasive introgression of MHC genes in newt hybrid zones.** *BioRixv*, 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>

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>

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_fBHp8XvNedg2p4E8Omz4kHgAfM4oUZLMLbY>

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>

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>

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

<https://www.biotaxa.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 comparisonof disgust and beauty.** *The Science of Nature*, Online, 106:41.

<https://www.ncbi.nlm.nih.gov/pubmed/31263997?fbclid=IwAR2jkHYVBEqFy-lOloin923caBvBvEGfsMFAuialNLZhDir6bzmeio9lv5w>

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.ojs.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: Dicroglossidae) 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 habitataugmentation 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>

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>

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>

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>

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 137Cs 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 Bufotes 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>

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>

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. Risse-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>

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>

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>

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.biotaxa.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 dendrobatidis 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 Filippois, 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/52CF4BF134615E98833738A1A178EAFD>

Qin, T. Fan, C.-M. Wang, T.-Z. Yang, L. Shen, W.-L. Sun, H. Lin, J.-X. Cucchiarini, 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. Żuwała, 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>

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 Paratelmatobius (Anura: Leptodactylidae: Paratelmatobiinae) from the Atlantic Forest of southern Brazil.** *Zootaxa, 4648*(3), Online.

<https://www.biotaxa.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, Odontophrynidae).** *Micron*, In Press, 102713.

<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 darwinii).** *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>

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>

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. Perekhrest, 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>

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. Grafe, 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>

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>

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>

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.biotaxa.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>

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>

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>

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. Bartoleti, 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>

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>

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>

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. 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>

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>

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>

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>

Gregorio, L. S. Franco-Belussi, L. De Oliveir, 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>

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,

<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>

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 Polypedatesmegacephalus (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>

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>

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*, Online.

<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), pp.20190462

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

Kropachev, I. I. Orlov, N. L. Ostroshabov, A. A. Nguyen, T. T. (2019). **First description of the tadpole of Theloderma 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>

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>

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>

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. Tsonis, P. A. Singh, A. (2019). **Comparative transcriptomic analysis and structure prediction of novel Newt proteins.** *PLoSOne*, 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>

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>

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.biotaxa.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>

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. Felicísimo, 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>

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/arz137/5550904>

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>

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.anthonyherrel.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/>

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>

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*, 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: Dicroglossidae) 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>

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>

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>

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>

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.biotaxa.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-Diaz, 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>

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 perezitadpoles 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>

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>

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>

Vaneka, 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>

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>

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**

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>

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&>

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>

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>

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>

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>

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>

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>

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 IIβ 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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

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>

**October**

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>

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>

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>

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>

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>

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>

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>

Reed, M. D. Iceman, K. E. Harris, M. B. Taylor, B. E. (2019). **Buccal rhythmogenesis and CO2 sensitivity in Lithobates catesbeianus tadpole brainstems across metamorphosis.** *Respiratory Physiology & Neurobiology, 268*, 103251.

<https://www.sciencedirect.com/science/article/pii/S1569904819301090>

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>

Schweizer, M. Miksch, L. Köhler, H.-R. Triebskorn, 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>

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>

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>

**November**

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>

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>

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>

**December**

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>

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>

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>

**2020 Journal Publications**

**January**

**February**