

2020 Journal Publications

January

Agostinia, M. G. Roesler, I. Bonetto, C. Ronco, A. E. Bilenca, D. (2020). **Pesticides in the real world: The consequences of GMO-based intensive agriculture on native amphibians.** *Biological Conservation*, 241, Article 108355.

<https://www.sciencedirect.com/science/article/pii/S0006320719309905?fbclid=IwAR3tnrdCEHa1T9McZT3GG1A4ae46vDA7aQnwBF354hJ2fjmlbjyK7aZRx4Q>

Da Costa Araújo, A. P. de Melo, N. F. S. de Oliveira Junior, A. G. Rodrigues, F. P. Fernandes, T. de Andrade Vieira, J. E. Rocha, T. L. Malafaia, G. (2020). **How much are microplastics harmful to the health of amphibians? A study with pristine polyethylene microplastics and *Physalaemus cuvieri*.** *Journal of Hazardous Materials*, 382, Article, 121066.

https://www.researchgate.net/publication/335386351_How_much_are_microplastics_harmful_to_the_health_of_amphibians_A_study_with_pristine_polyethylene_microplastics_and_Physalaemus_cuvieri

Dahms-Verster, S. Nel, A. van Vuren, J. H. J. Greenfield, R. (2020). **Biochemical responses revealed in an amphibian species after exposure to a forgotten contaminant: An integrated biomarker assessment.** *Environmental Toxicology and Pharmacology*, 73, 103272.

<https://www.sciencedirect.com/science/article/pii/S1382668919301462>

Dutilleux, G. Curé, C. (2020). **Automated acoustic monitoring of endangered common spadefoot toad populations reveals patterns of vocal activity.** *Freshwater Biology*, 65(1), pp.20-36.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/fwb.13111>

Fu, L. Li, C. Na, W. Shi, Y. B. (2020). **Thyroid hormone activates *Xenopus* MBD3 gene via an intronic TRE in vivo.** *Frontiers in Bioscience (Landmark Edition)* 25, pp.437-451.

<https://europepmc.org/abstract/med/31585895>

Hopkins, W. A. Durant, S. E. Beck, M. L. Ray, W. K. Helm, R. F. Romero, L. M. (2020). **Cortisol is the predominant glucocorticoid in the giant paedomorphic hellbender salamander (*Cryptobranchus alleganiensis*).** *General and Comparative Endocrinology*, 285, Article 113267.

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

Hossack, B. R. Russell, R. E. McCaffery, R. (2020). **Contrasting demographic responses of toad populations to regionally synchronous pathogen (*Batrachochytrium dendrobatidis*) dynamics.** *Biological Conservation*, 241, 108373.

<https://doi.org/10.1016/j.biocon.2019.108373>

Johnson, K. Baker, A. Buley, K. Carrillo, L. Gibson, R. Gillespie, G. R. Lacy, R. C. Zippel, K. (2020). **A process for assessing and prioritizing species conservation needs: going beyond the Red List.** *Oryx*, 54(1), pp.125-132.

<https://www.cambridge.org/core/journals/oryx/article/process-for-assessing-and-prioritizing-species-conservation-needs-going-beyond-the-red-list/64EC21D34CA21EA82F4A38COA1623FB4>

Li, M. Zhu, J. Fang, H. Wang, M. Wang, Q. Zhou, B. (2020). **Coexposure to environmental concentrations of cis-bifenthrin and graphene oxide: Adverse effects on the nervous system during metamorphic development of *Xenopus laevis*.** *Journal of Hazardous Materials*, 381, 120995.

<https://www.sciencedirect.com/science/article/pii/S0304389419309495>

Moresco, R. (2020). **Analysis of the mitochondrial D-Loop reveals that neither river boundaries nor geographic distance structure the fine-scale genetic variation of an Amazonian treefrog.** *Hydrobiologia*, 847(2), pp.321-330.

<https://link.springer.com/article/10.1007/s10750-019-04069-0>

Parker-Graham, C. Clayton, L. A. Mangus, L. M. (2020). **Amphibian Renal Disease.** *Veterinary Clinics: Exotic Animal Practice*, 23(1), pp.215-230.

[https://www.vetexotic.theclinics.com/article/S1094-9194\(19\)30060-X/fulltext](https://www.vetexotic.theclinics.com/article/S1094-9194(19)30060-X/fulltext)

Rodríguez, C. Hödl, W. (2020). **Sound radiation pattern of the advertisement call of the highly territorial poison frog *Allobates femoralis*.** *Behavioural Processes*, 170, 103996.

<https://www.sciencedirect.com/science/article/pii/S037663571930292X>

Stevenson, L. A. Roznik, E. A. Greenspan, S. E. Alford, R. A. Pike, D. A. (2020). **Host thermoregulatory constraints predict growth of an amphibian chytrid pathogen (*Batrachochytrium dendrobatidis*).** *Journal of Thermal Biology*, 87, Article, 102472

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February

Benvindo-Souza, M. Oliveira, E. A. S. Assis, R. A. Santos, C. G. A. Borges, R. E. e Silva, D. de M. Santos, L. R. de S. (2020). **Micronucleus test in tadpole erythrocytes: Trends in studies and new paths.** *Chemosphere*, 240, 124910.

<https://www.sciencedirect.com/science/article/pii/S0045653519321496>

Hartel, T. Scheele, B. C. Rozyłowicz, L. Horcea-Milcu, A. Cogălniceanu, D. (2020). **The social context for conservation: Amphibians in human shaped landscapes with high nature values.** *Journal for Nature Conservation*, 53, Article 125762.

<https://www.sciencedirect.com/science/article/pii/S1617138119302948>

Hawkins, L. J. Storey, K. B. (2020). **Advances and applications of environmental stress adaptation research.** *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 240, Article 110623.

<https://www.sciencedirect.com/science/article/pii/S1095643319303873>

Lukwago, W. Behangana, M. Mwavu, E. N. Hughes, D. F. (2020). **Effects of selective timber harvest on amphibian species diversity in Budongo forest Reserve, Uganda.** *Forest Ecology and Management*, 458, pp.1-7, 117809.

<https://www.sciencedirect.com/science/article/abs/pii/S0378112719320201>

Madelaire, C. B. Gomes, F. R. Sokolova, I. (2020). **Biomarker-based assessment of the muscle maintenance and energy status of anurans from an extremely seasonal semi-arid environment, the Brazilian Caatinga.** *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 240, Article 110590.

<https://www.sciencedirect.com/science/article/pii/S109564331930354X>

Shu, Y. Tang, D. Khan, S. A. He, J. Zhang, H. Sun, L. Wu, H. Lu, L. (2020). **Molecular characterization, expression analysis of myostatin gene and its negative regulation by miR-29b-3p in Chinese concave-eared frogs (*Odorrana tormota*).** *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 240, Article number 110369.

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March

Chen, Z. Li, H. Zhai, X. Zhu, Y. Chen, X. (2020). **Phylogeography, speciation and demographic history: Contrasting evidence from mitochondrial and nuclear markers of the *Odorrana graminea* sensu lato (Anura, Ranidae) in China.** *Molecular Phylogenetics and Evolution*, 144, Article 106701.

<https://www.sciencedirect.com/science/article/abs/pii/S1055790319302684>

Haskins, D. L. Bryan, A. L. (2020). **Radiocesium (¹³⁷Cs) concentrations in the two-toed amphiuma (*Amphiuma means*) and the lesser siren (*Siren intermedia*).** *Journal of Environmental Radioactivity*, 213, Article 106107.

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Jacobsen, C. D. Brown, D. J. Flint, W. D. Pauley, T. K. Buhlmann, K. A. Mitchell, J. C. (2020). **Vulnerability of high-elevation endemic salamanders to climate change: A case study with the Cow Knob Salamander (*Plethodon punctatus*).** *Global Ecology and Conservation*, 21, e00883.

<https://www.sciencedirect.com/science/article/pii/S2351989419301957>

Rasolonjatovo, S. M. Scherz, M. D. Hutter, C. R. Glaw, F. Rakotoarison, A. Razafindraibe, J. H. Goodman, S. M. Raselimanana, A. P. Vences, M. (2020). **Sympatric lineages in the *Mantidactylus ambreensis* complex of Malagasy frogs originated allopatrically rather than by in-situ speciation.** *Molecular Phylogenetics and Evolution*, 144, Article 106700.

<https://www.sciencedirect.com/science/article/abs/pii/S105579031930435X>

Shibata, Y. Okada, M. Miller, T. C. Shi, Y.-B. (2020). **Knocking out histone methyltransferase PRMT1 leads to stalled tadpole development and lethality in *Xenopus tropicalis*.** *Biochimica et Biophysica Acta*, 1864(3), 129482.

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April

Boyero, L. López-Rojo, N. Bosch, J. Alonso, A. Correa-Araneda, F. Pérez, J. (2020). **Microplastics impair amphibian survival, body condition and function.** *Chemosphere*, 244, Online, 125500.

<https://www.sciencedirect.com/science/article/pii/S0045653519327407>

de Arcaute, C. R. Brodeur, J. C. Soloneski, S. Larramendy, M. A. (2020). **Toxicity to *Rhinella arenarum* tadpoles (Anura, Bufonidae) of herbicide mixtures commonly used to treat fallow containing resistant weeds: glyphosate–dicamba and glyphosate–flurochloridone.** *Chemosphere*, 245, 125623.

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