

Advances on the assessment of environmental pollutants to amphibians and reptiles

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Amphibian and reptile decline constitutes a global conservation problem that has been attributed to several environmental stressors (e.g. habitat degradation, diseases, invasive species, climate changes, chemical contamination) and to complex interactions among them. Many works have been carried out to establish a causal link between exposure to stressors and the observed effects at the population and species level targeting accurate risk assessments and conservation programs. However, many uncertainties and knowledge gaps still persist associated, among others, with: (i) methodological inconsistency to assess effects, especially in the case of reptiles, (ii) interactions occurring between contaminants and natural stressors, (iii) differential sensitivity among life-stages, (iv) effects caused at low levels of environmental stressors, (v) occurrence of long-term effects, (vi) linking laboratory with field data. This session aims at addressing the above topics to broaden the existing knowledge and contribute to decreasing uncertainties in ecological risk assessment of the herpetofauna. Platform and poster contributions from academia, industry, governmental institutions, NGO partners, are welcome. This SETAC session is being organized by the Global Advisory Group of Ecotoxicology of Amphibians and Reptiles.