



Call for Papers

SPECIAL ISSUE

New Approach Methods (NAMs) in Ecotoxicology

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ET&C HIGHLIGHTS

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 **4.1 Impact Factor**

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INTRODUCTION: Regulatory agencies worldwide are calling for new approach methods (NAMs). NAMs are defined as "any technology, methodology, approach or combination thereof that can be used to replace, reduce, or refine animal toxicity testing and allow for more rapid or effective prioritization and/or assessment of chemicals." NAMs can be existing methods, and what makes them new is their fit for purpose use in a regulatory context and/or their purposeful design to reduce the reliance or need for animal-based tests. There is also interest in methods that are scalable for high-throughput delivery and ones that yield mechanistic insights.

MANUSCRIPT DETAILS: The objective of this special issue is to showcase the state of science of NAMs in ecotoxicology. Articles submitted to this special issue should take the form of case studies that help increase scientific confidence of a given NAM. Accordingly, case studies must be scientifically sound while also providing essential details on: (1) technical methods and performance; (2) biological and/or ecological relevance; and (3) fit for purpose detailing the context(s) in which the NAM is intended for use. The case studies must illustrate how the data, approaches, and conclusions derived from the NAM compare with those derived from traditional approaches. In addition to case studies, we also welcome reviews, perspectives, and points of reference on the topic, with a focus on opportunities and barriers towards the design, validation, and adoption of NAMs in ecotoxicological applications.

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