Special Issue

Nanosafety: Overcoming Characterisation Challenges in Complex Media

Message from the Guest Editors

The increased use of engineered nanomaterials results in greater environmental and human exposure, giving rise to toxicity concerns. For the future wider acceptability of nanotechnology, a well-founded and robust legislative framework that will ensure safe development of nano-enabled products is needed. The development of such a framework has proven particularly challenging; at the heart of the challenge lies the difficulty in the reliable and reproducible characterisation of nanomaterials given their novelty, variety in properties and forms and dynamic nature, particularly in complex conditions, such as within different biological, environmental and technological compartments. In this Special Issue, we invite investigators to contribute original research articles, as well as review articles that are related to overcoming characterisation challenges in complex environmental media. We are particularly interested in research that works toward the development of techniques, hyphenation of different analytical techniques and complex characterisation of NMs in biological environments.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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