



Toxicometabolomics: Recent Advances and Future Trends

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Deadline for manuscript submissions:

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Message from the Guest Editors

Research focusing solely on the effect of toxic compounds on various organisms is inadequate, with information on these effects at a molecular level urgently needed. Advanced analytical techniques have thus been employed to shed light on the alterations that take place in an organism's metabolome, elucidating the relationship between phenotypic alterations and metabolome changes as well as disorders. We are pleased to invite you to contribute to this Special Issue to further advance the exponentially expanding field of metabolomics.

This Special Issue aims to review advances in the field of toxicometabolomics, as well as pave the way for future trends in this research field.

Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Toxicity evaluation for prokaryotes, eukaryotes, and more advanced organisms (e.g., animals);
- Metabolic profiling after exposure to toxic compounds or nanomaterials;
- Association between the phenotypic and metabolic alterations;
- Development of new metabolomic techniques/approaches;
- Metabolite identification techniques.





Editor-in-Chief

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Message from the Editor-in-Chief

Impactful chemistry often arises from the marriage of disparate chemical themes and fundamental concepts to focus on an important application and can feature collaborations across the sciences, industry, and beyond. This open access journal, *AppliedChem*, has been created to provide a new home for chemistry research that affords wide-ranging and substantive solutions to current and future global challenges. The broad scope of the journal will enable the best collaborative and targeted chemistry to be exhibited and new applications to be revealed.

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