



## Aldehyde Toxicity and Metabolism

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

This issue will be accepting original articles, brief reports, and reviews on aldehyde toxicity and aldehyde metabolism. Aldehydes are toxic chemicals that form DNA and protein adducts. Within the environment, aldehyde sources include cigarettes, alcohol, and air pollution. Endogenous sources of aldehydes also result from cellular stress. To combat aldehyde toxicity, aldehyde metabolism occurs by the enzyme aldehyde dehydrogenase 2 (ALDH2) to less toxic acids. Those with an ALDH2\*2 genetic variant, affecting more than 560 million people in the world, are more susceptible to aldehyde toxicity. Therefore, it is important to study aldehyde production and metabolism in relation to basic biological mechanisms and human health.





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