



TOXICOLOGY IN VITRO

Official Journal of the European Society of Toxicology in Vitro

AUTHOR INFORMATION PACK

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ISSN: 0887-2333

DESCRIPTION

Toxicology in Vitro publishes original research papers and reviews on the application and use of **in vitro** systems for assessing or predicting the **toxic effects** of chemicals and elucidating their mechanisms of action. These **in vitro techniques** include utilizing cell or tissue cultures, isolated cells, tissue slices, subcellular fractions, transgenic cell cultures, and cells from transgenic organisms, as well as **in silico** modelling. The Journal will focus on investigations that involve the development and validation of new *in vitro* methods, e.g. for prediction of toxic effects based on traditional and *in silico* modelling; on the use of methods in high-throughput **toxicology** and **pharmacology**; elucidation of mechanisms of toxic action; the application of **genomics**, **transcriptomics** and **proteomics** in toxicology, as well as on comparative studies that characterise the relationship between *in vitro* and **in vivo** findings. The Journal strongly encourages the [submission](#) of manuscripts that focus on the development of *in vitro* methods, their practical applications and regulatory use (e.g. in the areas of food components cosmetics, pharmaceuticals, pesticides, and industrial chemicals). *Toxicology in Vitro* discourages papers that record reporting on toxicological effects from materials, such as plant extracts or herbal medicines, that have not been chemically characterized.

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