DESCRIPTION

Toxicology and Applied Pharmacology publishes original scientific research of relevance to animals or humans pertaining to the action of chemicals, drugs, or chemically-defined natural products.

Regular articles address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

Short articles report on high impact studies of broad interest to readers of TAAP that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables. Authors should include in their cover letter the justification for consideration of their manuscript as a short article.

TAAP also issues a standing call for outstanding Invited Review Articles. Potential authors should contact the Editor-In-Chief and complete an Invited Review Proposal Form before preparing or submitting their Review Article.

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INTRODUCTION
Toxicology and Applied Pharmacology publishes original scientific research of relevance to animals or humans pertaining to the action of chemicals, drugs, or chemically-defined natural products. Although many drugs are derived from plants, we generally do not consider manuscripts that study the biological effects of undefined plant extracts. In addition, studies that are replicative of science on substances that have already been well reported (e.g., amelioration of oxidative stress) are discouraged.

Regular articles address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

Short articles report on high impact studies of broad interest to readers of TAAP that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables. Authors should include in their cover letter the justification for consideration of their manuscript as a short article.

TAAP also issues a standing call for outstanding Invited Review Articles. Potential authors should contact the Editor-In-Chief and complete an Invited Review Proposal Form before preparing or submitting their Review Article. Invited reviews are intended to be from researchers with documented expertise who have contributed significantly to an area of science relevant to toxicology and/or pharmacology.

Types of Papers
The following types of articles will be considered for publication: Research Paper, Safety Science Articles, Short High Impact Articles, and Invited Reviews.

Research Paper address mechanistic approaches to physiological, pharmacologic, biochemical, cellular, or molecular understanding of toxicologic/pathologic lesions and to methods used to describe these responses. Regular Articles should be approximately 25 to 35 pages with double line spacing including references but not including figures. Safety Science articles address outstanding state-of-the-art preclinical and human translational characterization of drug and chemical safety employing cutting-edge science. Highly significant Regulatory Safety Science articles will also be considered in this category. Papers concerned with alternatives to the use of experimental animals are encouraged.

Short articles (Short Communications) report on high impact studies of broad interest to readers of Toxicology and Applied Pharmacology that would benefit from rapid publication. These articles should contain no more than a combined total of four figures and tables and should be approximately 12 to 15 pages with double line spacing including references. Authors should include in their cover letter the justification for consideration of their manuscript as a short article and mention that this belongs to the article type Short articles report on high impact.

Invited Review - Toxicology and Applied Pharmacology also issues a standing call for outstanding Invited Review Articles. Potential authors should visit our Support Center and send the queries. The editor will then send an Invited Review Proposal Form before preparing or submitting your Review. These reviews are expected to on timely topics relevant to toxicology and/or pharmacology from researchers with documented expertise in those topics.
Letter to the Editors refer to an article published in the journal and includes omissions or reflects differences in opinion, based on scientific evidence. These Letters to the Editors should not exceed 1000 words and 5 references. If needed one table or figure can be added. Authors of the involved article will always be asked by the Editors for a rebuttal that will linked online to the Letter to the Editor. These rebuttals should also contain no more than 1000 words, 5 references and if needed one table or figure. In principle, a single round of Letters to the Editors exchange will be considered in order to contain the discussion on a given topic.

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to avoid using "he, she," or "he/she." We recommend avoiding the use of descriptors that refer to personal attributes such as age, gender, race, ethnicity, culture, sexual orientation, disability or health condition unless they are relevant and valid. When coding terminology is used, we recommend to avoid offensive or exclusionary terms such as "master", "slave", "blacklist" and "whitelist". We suggest using alternatives that are more appropriate and (self-) explanatory such as "primary", "secondary", "blocklist" and "allowlist". These guidelines are meant as a point of reference to help identify appropriate language but are by no means exhaustive or definitive.

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**Reporting guidance**

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- ic intracutaneous
- kg kilogram
- im intramuscular
- g gram
- ip intraperitoneal
- mg milligram iv intravenous
- ug microgram
- po oral
- ng nanogram
- LD50 medial lethal dose
- ml milliliter
- LC50 medial lethal concentration
- >ul microliter
- Hz hertz mol mole
- s seconds
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