COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY - PART C: TOXICOLOGY & PHARMACOLOGY
An International Journal

TABLE OF CONTENTS

• Description p.1
• Audience p.2
• Impact Factor p.2
• Abstracting and Indexing p.2
• Editorial Board p.2
• Guide for Authors p.4

DESCRIPTION

Comparative Biochemistry & Physiology (CBP) publishes papers in comparative, environmental and evolutionary physiology.

Part C: Toxicology and Pharmacology (CBPC), focuses on toxicological mechanisms at different levels of organization, primarily chemical and drug action, biotransformation of xenobiotics, endocrine disruptors, nanoparticles, pharmaceuticals, and natural products chemistry. Most studies employ a molecular approach in combination with observations of higher levels of organization to assess the mechanism by which xenobiotics affect physiology. Analytical verification of exposure concentrations is strongly recommended for manuscripts reporting toxicological studies.

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Part D (CBPD): Genomics & Proteomics
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INTRODUCTION
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Part A. Molecular and Integrative Physiology covers molecular, cellular, integrative, and ecological physiology. Topics include bioenergetics, circulation, development, excretion, ion regulation, endocrinology, neurobiology, nutrition, respiration, and thermal biology. Studies on regulatory mechanisms at any level or organization such as signal transduction and cellular interactions and control of behaviour are encouraged.

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Part C. Toxicology and Pharmacology covers chemical and drug action at different levels of organization, biotransformation of xenobiotics, mechanisms of toxicity, including reactive oxygen species and carcinogenesis, endocrine disruptors, natural products chemistry, and signal transduction. A molecular approach to these fields is encouraged. Measured rather than nominal exposure concentrations of toxicants must be reported whenever possible. For water-borne exposures of aquatic organisms, reporting of detailed chemistry data for the exposure waters is encouraged. When reporting data obtained from bioassays (e.g., LC50 tests), raw data (i.e., the value of the measured biological response variable(s) for each treatment and each observation time) should be submitted as online supplementary material.

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Naturally, a certain degree of overlap exists between the different sections, and the final decision as to where a particular manuscript will be published after passing the rigorous review process lies with the editorial office.

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