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### DESCRIPTION

*Biochemical Pharmacology* publishes original research findings, Commentaries and review articles related to the elucidation of cellular and tissue function(s) at the biochemical and molecular levels, the modification of cellular phenotype(s) by genetic, transcriptional/translational or drug/compound-induced modifications, as well as the pharmacodynamics and pharmacokinetics of xenobiotics and drugs, the latter including both small molecules and biologics.

The journal's target audience includes scientists engaged in the identification and study of the mechanisms of action of xenobiotics, biologics and drugs and in the drug discovery and development process.

All areas of cellular biology and cellular, tissue/organ and whole animal pharmacology fall within the scope of the journal. Drug classes covered include anti-infectives, anti-inflammatory agents, chemotherapeutics, cardiovascular, endocrinological, immunological, metabolic, neurological and psychiatric drugs, as well as research on drug metabolism and kinetics. While medicinal chemistry is a topic of complimentary interest, manuscripts in this area must contain sufficient biological data to characterize pharmacologically the compounds reported. Submissions describing work focused predominately on chemical synthesis and molecular modeling will not be considered for review.

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## **AUDIENCE**

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Pharmacologists, Biochemists, Toxicologists, Neuroscientists, Molecular and Cellular Biologists.

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## GUIDE FOR AUTHORS

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### INTRODUCTION

*Biochemical Pharmacology* is an international peer reviewed journal devoted to publishing original research and invited reviews and commentaries on the interaction of chemical compounds with biological systems. Manuscripts describing experiments conducted with chemical mixtures, plant or animal extracts will not be considered for publication unless the chemical structures and precise concentrations of all substances are reported.

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Reports describing *de novo* results of clinical studies and those that predominately or exclusively concern database mining and analysis and computational methodologies, e.g. CAMD, are outside the scope of the journal.

#### **Types of papers**

**(1) Full-length Research Papers.** *Biochemical Pharmacology* publishes original research on issues of relevance to the field of pharmacology.

**(2) Reviews and Commentaries.** These articles are by invitation only and provide the authors' views on a selected topic of interest to pharmacologists.

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#### **Scientific Checklist**

##### **Table 1. Scientific Submission Checklist**

*Please answer the following questions with "Yes", "No", or "Not applicable".*

#### **Formatting - The submission will automatically be rejected if these first four questions are not marked "yes"**

1. As *Biochemical Pharmacology* does NOT publish supplemental data with the exception of audio or video files, are all necessary data included in the body of the manuscript?
2. Are all tables and figures numbered and appropriately titled with descriptive legends that permit stand-alone interpretation? Are all data shown in the tables and figures also described in the Results section, discussed in the Discussion section and stated in the Conclusions?

#### **Introduction**

3. Is there a clear statement with background describing the hypothesis being tested by this study? Are the primary endpoints clearly stated?

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11. Are all group sizes approximately the same and clearly indicated in the text and/or in the tables and figures?
12. Were the criteria used for excluding any data from analysis determined prospectively and clearly stated?
13. Was the investigator responsible for data analysis blinded to which samples/animals represent control and treatment groups?
14. Are the reported data displayed as means +/- standard deviation (SD)? Is the number of replicates of three or more independent experimental observations clearly indicated? Were post-hoc tests used to assess the statistical significance among means? Is the threshold for statistical significance (P value) clearly indicated?

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## **Discussion**

17. Are the primary conclusions and any secondary endpoints and their implications clearly stated?
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#### **PREPARATION**

##### **Manuscript preparation**

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[dataset] [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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