

ISSN: 2157-9423

Volume 16, Number 6, June 2025



Pharmacology & Pharmacy



ISSN: 2157-9423



<https://www.scirp.org/journal/pp>

Journal Editorial Board

ISSN: 2157-9423 (Print) ISSN: 2157-9431 (Online)

<https://www.scirp.org/journal/pp>

Editorial Board

| | |
|---|---|
| Prof. Ehab Abdel Rahman Abu-Basha | Jordan University of Science and Technology, Jordan |
| Prof. Dolapo A. Adedeji | Elizabeth City State University, USA |
| Prof. Karel Marcel Allegaert | Katholieke Universiteit Leuven, Belgium |
| Prof. Michel S. Bourin | University of Nantes, France |
| Prof. Mohamed Eddouks | Moulay Ismail University, Morocco |
| Prof. Abdalla Ahmed Elbashir | King Faisal University, Saudi Arabia |
| Prof. Emad A. El-Bassiouni | University of Alexandria, Egypt |
| Prof. Ehab Said Ibrahim Eldesoky | Assiut University, Egypt |
| Dr. Asim Ahmed Elnour | Al Ain University, UAE |
| Prof. Francisco Javier Flores-Murrieta | Sección de Estudios de Posgrado e Investigación, Mexico |
| Prof. Pedro Fonte | University of Algarve, Portugal |
| Prof. Ahmed G. Hegazi | National Research Center, Egypt |
| Dr. Roger C. M. Ho | National University of Singapore, Singapore |
| Prof. Froylan Ibarra Velarde | National University Autonomous of Mexico, Mexico |
| Dr. Christian Joukhadar | Sigmund Freud University, Austria |
| Prof. Rafeeq Alam Khan | Ziauddin University, Pakistan |
| Prof. Felix Kratz | Tumor Biology Center, Germany |
| Prof. Marivane Lemos | Universidade Alto Vale do Rio do Peixe, Brazil |
| Dr. Maria Mironidou-Tzouveleki | Aristotle University of Thessaloniki, Greece |
| Dr. Amgad M. Rabie | Drug Discovery & Medicinal Chemistry, Egypt |
| Dr. Seong S. Shim | Emory University, USA |
| Prof. Paula Isabel da Silva Moreira | University of Coimbra, Portugal |
| Prof. Gholamhossein Sodeifian | University of Kashan, Iran |
| Dr. Rizvi Syed A. A. | Hampton University, USA |
| Dr. Sumiyo Umeda | Hokkaido University of Science, Japan |
| Prof. Cory Xian | University of South Australia, Australia |
| Prof. Ping Yang | Mayo Clinic, USA |
| Prof. Shengyong Yang | Sichuan University, China |

Table of Contents

Volume 16 Number 6

June 2025

A Novel Capillary Zone Electrophoresis Technique for Pharmacokinetic Studies on Porphyrin-C₆₀ Based Neuroprotectors. Preliminary Report

A. Bukhvostov, A. Semenova, O. Kamkina, S. Arkhangel'skiy, D. A. Kuznetsov..... 165

Melanocortin Receptors as Anti-Inflammatory and Analgesic Targets in Sickle Cell Disease: A Comparative Study in Congolese Patients

T. N. Berge, G. Loubano-Voumbi, L. D. Samoukamat, D. G. N. Tchatchouang, B. M. Angounda,
T. L. O. Gokaba, M. L. Martial, D. Moukassa, A. A. Abena..... 174

Effects *Amaranthus cruentus* Contaminated with Pesticides on Liver and Renal Function of Male Wistar Rats

A. D. Sana, B. Tindano, S. Bengyende, E. Ouedraogo, B. Bayala 186

Pharmacology & Pharmacy (PP) Journal Information

SUBSCRIPTIONS

The *Pharmacology & Pharmacy* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per copy.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2025 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2025 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

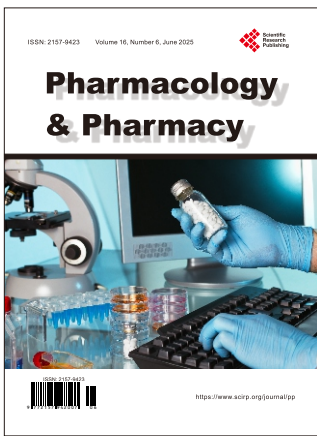
Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: pp@scirp.org



Call for Papers

Pharmacology & Pharmacy

ISSN: 2157-9423 (Print) ISSN: 2157-9431 (Online)
<https://www.scirp.org/journal/pp>

Pharmacology & Pharmacy (PP) is a peer reviewed international journal dedicated to the latest advancement of pharmacology and pharmacy. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Analytical Toxicology
- Biochemical Pharmacology
- Chinese Medicine Resources
- Clinical Pharmacology
- Drug Delivery System
- Drug Information
- Drug Metabolism
- Ethnopharmacology
- Health Informatics
- Herbal Medicine
- Immunopharmacology
- Medical Informatics
- Medicinal Chemistry and Pharmacognosy
- Molecular Pharmacology
- Neuropsychopharmacology
- Pharmaceutical Care
- Pharmaceutics
- Pharmacodynamics
- Pharmacoepidemiology
- Pharmacogenetics
- Pharmacogenomics
- Pharmacokinetics
- Pharmacology and Neuroimaging
- Pharmacotherapy
- Pharmacy Informatic
- Pharmacy Practice

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **PP**.

Notes for Intending Authors

All manuscripts submitted to PP must be previously unpublished and may not be considered for publication elsewhere at any time during PP's review period. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. Additionally, accepted ones will immediately appear online followed by printed in hard copy. For more details about the submissions, please access the website.

Website and E-Mail

<https://www.scirp.org/journal/pp>

E-mail: pp@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org