

ISSN: 2157-9423

Volume 14, Number 7, July 2023



Pharmacology & Pharmacy



ISSN: 2157-9423



9 772157 942007 07

<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. Emad A. El-Bassiouni	University of Alexandria, Egypt
Prof. Ehab Said Ibrahim Eldesoky	Assiut University, Egypt
Dr. Asim Ahmed Elnour	UAE University, UAE
Prof. Francisco Javier Flores-Murrieta	Sección de Estudios de Posgrado e Investigación, Mexico
Prof. Osvaldo Froylan Ibarra Velarde	National University Autonomous of Mexico, Mexico
Prof. Ahmed G. Hegazi	National Research Center, Egypt
Prof. Alireza Heidari	California South University (CSU), USA
Dr. Roger C. M. Ho	National University of Singapore, Singapore
Dr. Christian Joukhadar	Harvard Medical School, USA
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	Louis Stokes Cleveland V.A. Medical Center, USA
Prof. Paula Isabel da Silva Moreira	University of Coimbra, Portugal
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 14 Number 7

July 2023

Effect of COVID-19 Pandemic on Patient Adherence to Chronic Medications in Sudan in 2021

A. S. Ahmed, E. S. Wanasi, K. Elteгани, I. Ahmed, A. O. Elkhawad 215

Pramipexole in Treatment Resistant Depression: A Case Review

N. Abdallah, J. Kahn 223

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 © 2023 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 © 2023 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