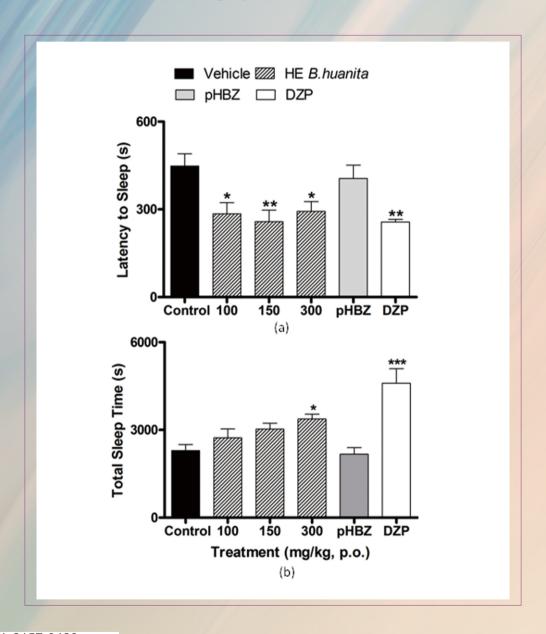




# Pharmacology and Pharmacy





# **Journal Editorial Board**

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

http://www.scirp.org/journal/pp

.....

#### **Editor-in-Chief**

Prof. George Perry University of Texas at San Antonio, USA

#### **Editorial Board**

Dr. Ehab Abdel Rahman Abu-Basha Jordan University of Science and Technology, Jordan

Prof. Karel Marcel Allegaert Katholieke Universiteit Leuven, Belgium

**Prof. Michel S. Bourin** University of Nantes, France

**Dr. Kuo-Chi Cheng** University of Connecticut Health Center, USA

Prof. Mohamed Eddouks Moulay Ismail University, Morocco

Prof. Ehab S. EldesokyAssiut University, EgyptDr. Asim Ahmed ElnourUAE University, UAE

Prof. Francisco Javier Flores-Murrieta Sección de Estudios de Posgrado e Investigación, Mexico

Dr. Roger C. M. Ho National University of Singapore, Singapore

Dr. Christian Joukhadar Harvard Medical School, USA
Dr. Felix Kratz Tumor Biology Center, Germany

Dr. Maria Mironidou-Tzouveleki Aristotle University of Thessaloniki, Greece

**Dr. Federico Pea** SM Misericordia University Teaching Hospital of Udine, Italy

**Dr. Seong S. Shim**Louis Stokes Cleveland V. A. Medical Center, USA

Dr. Paula Isabel da Silva Moreira University of Coimbra, Portugal

Prof. Cory Xian University of South Australia, Australia

**Prof. Ping Yang** Mayo Clinic, USA

Prof. Sheng-Yong Yang Sichuan University, China

Volume 5 Number 11



October 2014

## **Table of Contents**

Psychopharmacological Profile of Hydroalcoholic Extract and P-Hydroxybenzoic Acid Obtained from <i>Bourreria huanita</i> (Boraginaceae) in Mice	1
I. Holzmann, D. Cattani, M. Corso, D. Perondi, S. Zanella, C. Burger, L. C. Klein Júnior, V. Cechinel Filho, S. M. G. M. F. Torres, A. Cáceres, M. M. de Souza	
Proteomic Analysis of Salt-Induced Changes in Protein Expression in PPARα Null Mice	
P. O. Obih, A. Oyekan	996
Biogenic Amine Neurotransmitter Response to Morphine in the Anterior Cingulate Cortex Predicts Propensity for Acquiring Self-Administration and the Intensity of the Withdrawal Syndrome	
M. Trigub, V. Kudrin, V. Bashkatova, P. Klodt, S. Sudakov	1006
Synthesis, Biophysical Characterization and <i>in Vitro</i> Transfection Activity of Novel Bivalent Amine Cationic Lipids in the Absence of Dioleoylphosphatidylethanolamine (DOPE)	
AM. Donkor, M. Spelios, M. Savva	1015
Sodium Glucose Co-Transporter 2 (SGLT2) Inhibitors in Type 2 Diabetes: A Literature Review of Approved Products	
L. R. Volino, E. Y. Pan, R. P. Mansukhani	1029
Simvastatin Potentiates the Antihyperglycemic, Antidyslipidimic and Antioxidative Effect of Glibenclamide on Alloxan-Induced Diabetic Rats	
M. Marium Begum, A. F. M. Towheedur Rahman, S. Islam, M. Asaduzzaman, H. Ali, Y. Ali, S. Zannah, A. H. M. Khurshid Alam, A. A. Rahman, M. Rashid	1059
Novel Therapeutic Options for the Treatment of Nonvalvular Atrial Fibrillation	
R. P. Mansukhani, L. R. Volino	1070
The Action of Chronic Nicotine on the Effects of Ethanol on Anxiety, Locomotion and Metabolism a the Feeding and Drinking Behaviors of Rats	nd
V. Bashkatova, S. Sudakov, G. Nazarova, E. Alexeeva	1077
Toxicological Evaluation of Occidiofungin against Mice and Human Cancer Cell Lines	
S. Lai Hing, A. Ravichandran, J. Escano, J. Cooley, F. Austin, SE. Lu, S. Pruett, L. Smith	1085

#### Pharmacology & Pharmacy (PP)

#### **Journal Information**

#### **SUBSCRIPTIONS**

The *Pharmacology & Pharmacy* (Online at Scientific Research Publishing, <a href="www.SciRP.org">www.SciRP.org</a>) is published monthly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$79 per copy.

To subscribe, please contact Journals Subscriptions Department, E-mail: <a href="mailto:sub@scirp.org">sub@scirp.org</a>

#### **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 © 2014 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 © 2014 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)

http://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

http://www.scirp.org/journal/pp Email: pp@scirp.org