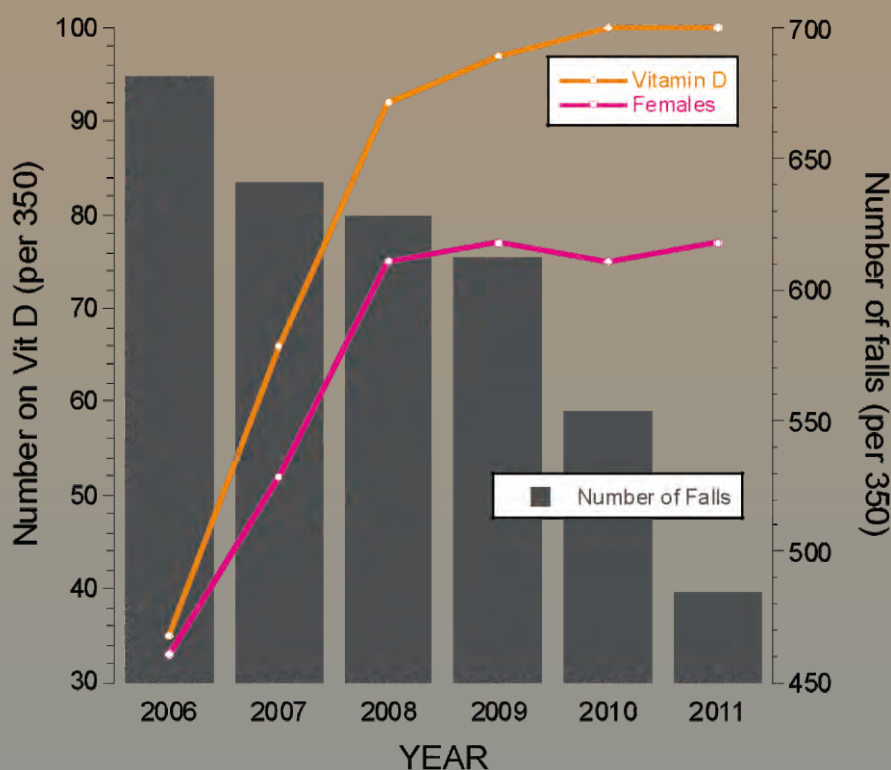




Pharmacology and Pharmacy



ISSN: 2157-9423



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. Eldesoky

Assiut University, Egypt

Dr. Asim Ahmed Elnour

UAE 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

Guest Reviewers

Sambandam Anandan

Shunji Ishiwata

Takahiro Kubota

TABLE OF CONTENTS

Volume 3 Number 4

October 2012

Isobolographic Method and Invertebrate (Planarian) Model for Evaluating Combinations of Waterways Pollutants

R. B. Raffa, D. A. Gallo, C. S. Tallarida, S. M. Rawls, R. J. Tallarida.....381

Differential Effects of Angiotensin II on Intra-Renal Hemodynamics in Rats; Contribution of Prostanoids, NO and K⁺ Channels

I. Igbe, E. K. I. Omogbai, A. O. Oyekan.....388

Local Peripheral Effects of β -Caryophyllene through CB₂ Receptors in Neuropathic Pain in Mice

H. Kuwahata, S. Katsuyama, T. Komatsu, H. Nakamura, M. T. Corasaniti, G. Bagetta, S. Sakurada, T. Sakurada, K. Takahama.....397

Relationship of Uric Acid with Superoxide Dismutase (Sod) in Induced Hyperuricemic Rat Model

S. Batool, I. Ahmed, M. Sarwar, H. ul Hassan.....404

Antipsychotic and Anticholinergic Drug Prescribing Pattern in Psychiatry: Extent of Evidence-Based Practice in Bahrain

K. A. J. Al Khaja, M. K. Al-Haddad, R. P. Sequeira, A. R. Al-Offi.....409

A New *In-Situ* Gel Formulation of Itraconazole for Vaginal Administration

S. Y. Karavana, S. Rençber, Z. Ay Şenyigit, E. Baloğlu.....417

Pharmacological Evidence for the Involvement of Calcium Entry through TRPV1 Channels in Nifedipine-Induced [Ca²⁺]_i Elevation in Gingival Fibroblasts

T. Hattori, T. Ara, Y. Fujinami.....427

Antibacterial Activity of *Bougainvillea glabra*, *Eucalyptus globulus*, *Gnaphalium attenuatum*, and Propolis Collected in Mexico

O. J. Enciso-Díaz, A. Méndez-Gutiérrez, L. H. De Jesús, A. Sharma, M. L. Villarreal, A. C. Taketa.....433

Involvement of Estrogen Receptors in the Anxiolytic-Like Effect of Phytoestrogen Genistein in Rats with 12-Week Postovariectomy

J. F. Rodríguez-Landa, F. Hernández-López, M. Saavedra.....439

The Reproductive and Thyroid Hormonal Profile of Khat (*Catha edulis*) Chewers

S. S. Al-Ghamdi.....447

Vitamin D and Number of Falls in a Long-Term Care Facility

R. B. Raffa, F. Breve, R. Taylor Jr., J. V. Pergolizzi Jr.....453

The Impact of Clinical Pharmacist Interventions on Drug and Antibiotic Prescribing in a Teaching Hospital in Cairo

O. H. M. Ibrahim, S. El-Sahrif.....458

Stability Test of Ampicillin Sodium Solutions in the Accufuser[®] Elastomeric Infusion Device Using HPLC-UV Method

M.-A. Kang, J.-S. Kang.....462

Preparation and *in Vitro* Drug Release Evaluation of Once-Daily Metformin Hydrochloride Sustained-Release Tablets

L. Zhao, Y. M. Wei, Y. Mei, L. Yang, Y. You, X. F. Yang, Y. H. Jiang.....468

**Effects of Long-Term Use of Flavonoids on the Absorption and Tissue Distribution
of Orally Administered Doses of Trace Elements in Rats**

A. A. Jaccob, S. A. Hussain.....474

**Rationale and Role of High Loading Dose Clopidogrel in Patients with Acute Coronary
Syndrome Undergoing Percutaneous Coronary Intervention**

S. T. Mathew, G. D. Subbaiah, P. V. Viswanadhan, V. Balan.....481

**Impact of Training of Dispensers on Case Management of Acute Respiratory Tract Infections
at Community Pharmacies in Pakistan**

A. Hussain, M. I. M. Ibrahim, M. Malik.....485

The figure on the front cover is from the article published in *Pharmacology & Pharmacy*, 2012, Vol. 3, No. 4, pp. 453-457 by Robert B. Raffa, Frank Breve, Robert Taylor Jr. and Joseph V. Pergolizzi Jr.

Pharmacology & Pharmacy

Journal Information

SUBSCRIPTIONS

The *Pharmacology & Pharmacy* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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



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