e-ISSN 1694-2078
p-ISSN 1694-2086

Archives of Medical and Biomedical Research

Volume 1, Number 4, October 2014

http://www.iambr.info/AMBR/

ARCHIVES *of Medical and Biomedical Research*

Managing Editor, Web Editor and Publisher
Arun Kumar Agnihotri, MBBS, MD
Mauritius

Editorial Office
4 Malherbes Street
Curepipe, Mauritius
Phone: (230) 54967964, Fax (230) 6988414
Email: editorambr@iambr.info

Editor in Chief
(Africa and Australasia)
Theeshan Bahorun, PhD
Mauritius

Editor in Chief
(Americas and Europe)
Okezie I Aruoma, MBA PhD DSc
USA

Editor in Chief
(Asia)
Sushil Dawka, MBBS, MS
Mauritius

Associate Editors

Kensese Mossanda, PhD
South Africa
E Olatunde Farombi, PhD
Nigeria
Smriti Agnihotri, MBBS, MD
Mauritius
Emmanuel Bourdon, PhD
Reunion, France
Yannick Tangman, PhD
Mauritius

Joseph Indelicato, PhD
USA
Abimbola Farinde, Pharm D MS
USA
Majid Moridani, PhD
USA
Debasis Bagchi, PhD
USA
Teresa Pounds, Pharm D BCNSP
USA

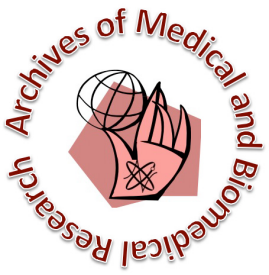
Ramesh K Marya, MD PhD
Malaysia
Arvind Kumar, PhD
India
Hj. M. Abdul Kareem, DMRD
Malaysia
Joydeb Kumar Kundu, PhD
South Korea

Editorial Board Members

Ankit Sakhuja, MD
USA
Ashok Kumar, PhD
India
Jason Yamaki, PhD
USA

Maryam Aminu, PhD
Nigeria
Ndidi Ngwuluka, PhD
Nigeria

Vidushi S Neergheen-Bhujun PhD
Mauritius
Godfred A Menezes, PhD
India



"*Archives of Medical and Biomedical Research*" is the official journal of the International Association of Medical and Biomedical Researchers (IAMBR) and the Society for Free Radical Research Africa (SFRR-Africa). It is an internationally peer reviewed, open access and multidisciplinary journal aimed at publishing original research articles, reviews, case reports, research methods papers, short communications, along with invited editorials and commentaries related to all aspects of medical pharmaceutical and biomedical sciences.

ARCHIVES *of Medical and Biomedical Research*

PUBLISHER

Archives of Medical and Biomedical Research is published on behalf of the International Association of Medical and Biomedical Researchers & the Society for Free Radical Research Africa by Arun Kumar Agnihotri, 4 Malherbes Street, Curepipe, Mauritius; Phone: (230) 54967964, Fax (230) 6988414; Email: agnihotri_arun@hotmail.com

AIM AND SCOPE

Archives of Medical and Biomedical Research is an international peer-reviewed open access and multidisciplinary journal aimed at publishing original research articles, reviews, case reports, research methods papers, short communications, book reviews along with invited editorials and commentaries related to all aspects of medical and biomedical sciences. We particularly welcome submission in the following areas:

- Clinical science
- Paraclinical science
- Pharmaceutical science
- Biomedical sciences
- Health sciences

Priority will be given to original research works that provide novel insights into any of these areas.

OPEN ACCESS

Archives of Medical and Biomedical Research is published online and in print. Being an open access journal, all the articles can be read free on the public Internet. The journal has 'open access charges' to cover the printing cost and the cost of services provided. We appreciate that some authors do not have access to funding to cover publication costs. A limited number of waivers for "open access charges" are also available, and authors wishing to apply for these waivers should contact the managing editor. *AMBR* offers a discount to corresponding authors from institutions based in low income (HINARI Group A) and middle income countries (HINARI Group B). Please visit http://www.who.int/hinari/eligibility/en/ to know which strata your country falls in. Open access charges are: US$1000 (High income countries), US$500 (HINARI Group B) and US$300 (HINARI Group A). All authors are asked to pay an open access charge on acceptance of their paper.

SUBSCRIPTIONS

Archives of Medical and Biomedical Research is published quarterly (4 issues). Annual subscription price of the print edition for the year 2014 is US$500. The price is inclusive of shipping cost and tax.

COPYRIGHT

Archives of Medical and Biomedical Research retains the copyright of any articles published in the journal. The article may be reused according to the relevant Creative Commons license. The default license is CC BY-NC, which permits others to distribute, remix, adapt, build upon this work non-commercially, and license their derivative works on different terms, provided the original work is properly cited and the use is non-commercial.

ABSTRACTING AND INDEXING

Archives of Medical and Biomedical Research is indexed in WHO | AFRICAN INDEX MEDICUS. The journal is available online at http://www.iambr.info/AMBR/index.html

DISCLAIMER

The publisher and editors cannot be held responsible for any errors or consequences arising from the use of information contained in this journal. The views and opinions expressed in this journal do not necessarily reflect those of the publisher, editors and the societies (IAMBR and SFRR-Africa).

PRINTER

Printed in Mauritius by University of Mauritius Press.

ISSN 1694-2078 (Online)
ISSN 1694-2086 (Print)

For more information, visit the website: www.iambr.info

ARCHIVES *of Medical and Biomedical Research*

Volume 1, Number 4, October 2014, Pages 125-174

Published online December 10, 2014

Editorial

Rethinking conventional approaches to the detection, management and amelioration of disease 125
Sushil Dawka, Theeshan Bahorun, Okezie I Aruoma, Arun K Agnihotri

Original Work

Sero-prevalence of IgM antibody to Rubella Virus in pregnant women in Zaria, Nigeria 129
Okikiola Olajide, Maryam Aminu, Abdullahi J Randawa, Daniel S Adejo

Anti-inflammatory, analgesic and diuretic activity of Ludwigia hyssopifolia Linn 139
Banibrata Das, Juthika Kundu, Sitesh Chandra Bachar, Joydeb Kumar Kundu

Comparative pharmacokinetic analysis with Two Omeprazole Formulations "Proceptin®" and "Losec®" in Healthy Subjects 147
Sajal Kumar Saha, Jayanta Kishor Chakrabarty, Sreedam Chandra Das, Tasfina Islam, Sitesh Chandra Bachar

Short Communication

Modulatory effects of green tea on HEK-293 cell energy metabolism: implications in diabetic nephropathy 156
Naushad A Toolsee, Okezie I Aruoma, Philippe Rondeau, Emmanuel Bourdon, Theeshan Bahorun

Opinion Papers

Drug therapy and disease management: An opinion - *The Impact of Memantine and One-on-One Caregiver Contact on Antipsychotic Medication Prescribed to Elderly Veterans with Dementia: Potential Global Care Strategy* 163
Abimbola Farinde, Okezie I Aruoma

The Interplay of Diabetes, and Health Self Efficacy, Cognition and Compliance 169
Joseph Indelicato, Vanessa Gilchriest

ARCHIVES *of Medical and Biomedical Research*

INFORMATION FOR CONTRIBUTORS

This information can also be accessed at http://www.iambr.info/AMBR/author_guidelines.html

Articles to *Archives of Medical and Biomedical Research* are submitted under the condition that the work described has not been published or is not being considered for publication elsewhere. Authors will be required to sign a 'Copyright transfer/Anti-plagiarism declaration/Conflict of interest' form for all papers accepted for publication.

SUBMISSION

Authors are encouraged to submit by email at editorambr@iambr.info. We prefer the articles to be sent as a formatted text file like 'Microsoft Word', typed in double space and figures as JPEG files. Revised manuscripts must be submitted in their final form within 2 months of author's notification of conditional acceptance (pending satisfactory revision). Resubmission after this time will be considered a new submission.

MANUSCRIPT PREPARATION

Cover page

The cover letter must include the name and address along with telephone no., Fax no. (if possible) and email address of corresponding author. The author should declare that: "The study (original research/case report/reviews/etc.), entitled "..." was conducted by me/us as an original work and has not been published anywhere else".

Title page

The title page includes title, short running title, authors' names and affiliations, and manuscript details such as type (Original research paper, Review article, case report, short communication, letter to editor, etc.), number of text pages, number of tables and number of figures.

Abstract and Key Words

The journal uses unstructured abstract, however, it should include the background, brief description of methods and results, and conclusion. The abstract should not be more than 250 words. Authors should provide a minimum of four keywords. Do not use abbreviations for keywords.

Text

Headings should be appropriate to the nature of the paper. For original research papers, text should be organized as Introduction, Methodology, Results, Discussion, Conclusion and References. For case reports, the author should organize the text as Introduction, Case details, Discussion, Conclusion and References. Other papers e.g. review articles may be subdivided as the authors' desire. Brief communications are concise, but complete, articles published in a special section of this journal. A manuscript submitted as a brief communication should not exceed four printed pages including references, figures, tables and legends. The author may submit a maximum of three figures and/or tables. The manuscript must include an abstract, keywords, an introduction, methodology or description of procedures, results, discussion, conclusion and a list of references. We also welcome letters to the editor and consider these for publication on the basis of space availability. Letters should be 1000 words maximum, including title, text and a maximum of five references. One table or figure is permitted. Individuals can write letters to the editor in response to topics discussed in the journal and to raise other topics of interest to professionals. Editors will review letters, and reserve the rights to edit letters for length and content.

The journal uses a system of primary, secondary and tertiary headings. As per this system, all letters of primary headings are in capitals (e.g. DISCUSSION). Only the first letter of the secondary heading and proper nouns are in capitals (e.g. Study sample). Only the first letter of tertiary headings is capitalized (e.g. *Creatinine Clearance*). All headings are boldfaced and only tertiary headings are italicized.

References should be mentioned in the 'Vancouver style'. This style is based on the format used by the U.S. National Library of Medicine in the Index Medicus. The titles of journals should be abbreviated according to the style used in the Index Medicus.

Tables and Figures

Tables and figures should be submitted as separate files. Do not submit tables as photographs. Figures should be saved in JPEG format. Please do not use PowerPoint or other presentation software, and do not import graphics into Word. If a figure has been published, acknowledge the original source and submit the written permission from the copyright holder to reproduce the material.

Ethical policy

For the research papers containing results of human and/or animal studies, a high standard of ethics should be applied in carrying out investigations. The papers should include a statement to the effect that the research protocol was approved by a local ethical committee and informed consent obtained from each subject prior to inclusion in the study.

Conflict of interest

If there are no conflicts of interest, the author should state there are none. Sometimes, the authors will have financial or other ties to commercial entities related to products, services and other aspects named in the manuscript. Failure to disclose such potential conflicts will be considered unethical. Therefore, the authors must disclose any financial or personal relationship with other people or organizations that could influence their study. The authors should do so in the manuscript at the end of the text under a subheading "Conflict of interest notification".

Authors Contribution

The corresponding author clearly states the contribution of all authors.