ISSN: 0975-8275

International Journal of Drug Design and Discovery

An International Quarterly Research Journal of Drug Design and Discovery





Pharma Book Syndicate

A Unit of BSP Books Pvt. Ltd.

International Journal of

Drug Design and Discovery

An International Quarterly Research Journal of Drug Design and Discovery

I am happy to commence Fifth Volume of the Journal, having successfully concluded the fourth. My thanks are due to all the contributors, subscribers and readers without whose cooperation the task could not have been completed. The Editorial Board and the publishers are doing their best in bringing out the Journal on schedule and this will be ensured, in future, as well. All attempts are being made from our end not only to maintain the standard and quality of the Journal, but also to improve further. In this regard, I call upon the scientific and technical communities to contribute their mite to the well being of this Journal and to realize our mission.

I am quite conscious that there are several areas and fields of the vast subject still remain uncovered, at least to the extent of this Journal is considered. Thus, it should be taken as a challenge to come forward with the Reviews and Research Papers from such novel fields, so that we will have privilege of sharing them, globally.

I personally look forward to receive the contributions from the experienced stalwarts in Drug Design and Discovery, for the benefit of young and enthusiastic researchers.

I am happy to inform you that we have instituted "Best Research Paper Award" to recognize outstanding achievement in pharmaceutical science as demonstrated by the author in quality and originally of the manuscript published in the International Journal of Drug Design and Discovery.

If you are interested kindly send your manuscript for publication in this journal by email to dsriram@hyderabad.bits-pilani.ac.in or pyogee@hyderabad.bits-pilani.ac.in We will then send it for peerreview regarding its importance before final acceptance.

We look forward to receiving your positive response.

D. Sriram & P. Yogeeswari

Editors

Standard services for authors:

We offer a comprehensive set of standard services to all authors:

- Fair and prompt peer review by two reviewers and an Commissioning Editor or Chief Editor
- Prompt processing of your paper
- Frequent status updates on your paper via email
- Easy communication with friendly staff
- High quality typesetting
- A special feature will be that color illustrations will be reproduced at no charge to the author, provided that the Editor agrees that color is essential to the information content of the illustration in question.

For Submission of Paper/Article Please Contact:

Chief Editor

D. Sriram

BITS-Pilani Hyderabad Campus, India

e-mail: dsriram@hyderabad.bits-pilani.ac.in

Commissioning Editor

P. Yogeeswari

BITS-Pilani Hyderabad Campus, India

e-mail: pyogee@hyderabad.bits-pilani.ac.in

Subscription* Details

One Year (4 issues: January-December)

Rs. 5000.00

*Subscription should be paid in advance Bank DD / Local Cheque should be drawn in favour of Pharma Book Syndicate

For more details & manuscript submission www.ijdddonline.com

Editorial Advisory Board

Alessandro Contini, University of Milan, Italy Amnon Hizi, Tel Aviv University, Israel Corey R. Hopkins, Vanderbilt University Medical Center, U.S.A Craig Lindsley, Vanderbilt University Medical Center, U.S.A Des R. Richardson, University of Sydney, Australia Frank Schweizer, University of Manitoba, Canada G. Mugesh, Indian Institute of Science, India Glenn Maguire, University of KwaZulu-Natal, South Africa Grace Karminski-Zamola, University of Zagreb, Hungary Ýlkay Küçükgüzel, Marmara University, Turkey J Vaigunda Raghavendran, McGill University, Canada James M Cook, University of Wisconsin-Milwaukeet, U.S.A Juan Bautista Rodriguez, Universidad de Buenos Aires, Argentina Kamlesh Padiya, Lupin, India Lakshmi P Kotra, University of Toronto, Canada Lu Yixin, National University of Singapore, Singapore Luciana Gavernet, Universidad Nacional De La Plata, Argentina Mads Hartvig Clausen, Technical University of Denmark, Denmark Maria N. Preobrazhenskaya, Gause Institute of New Antibiotics, Russia Marijeta Kralj, Rudjer Boskovic Institute, Croatia Mercedes Álvarez, IRB Barcelona, Spain Michel Baltas, University Paul Sabatier, France Rahul Jain, NIPER, India Rama P. Tripathi, CDRI, India Robert H Mach, Washington University, U.S.A Rolando Perez-Pineiro, University of Alberta, Canada Rolf W. Hartmann, Saarland University, Germany Rui Moreira, University of Lisbon, Portugal Shalini Anand, Roche, U.S.A Subbu Perumal, Madurai Kamaraj University, India Tiziano Tuccinardi, University of Pisa, Italy Tomboly Csaba, Hungarian Academy of Sciences, Hungary Wei Li, Wyeth Research, U.S.A William A Denny, University of Auckland, New Zealand

Young-Ger Suh, Seoul National University, Korea

Youngjoo Kwon, Ewha Womans University, Korea

Also Subscribe for Vol. 7

January - December 2014



International Journal of Pharmaceutical Sciences and Nanotechnology

An International
Quarterly Research Journal of
Pharmaceutical Sciences

For manuscript submission visit www.ijpsnonline.com

Subscription* Details

One Year (4 issues: January-December)

Rs. 5000.00

*Subscription should be paid in advance
Bank DD / Local Cheque should be drawn in favour of
Pharma Book Syndicate

For Subscription/Review copy assistance please contact:

e-mail: journal@bspbooks.net

(O)91 +40-23445600;

Fax: 91 +40-23445611

ORDER FORM

Please supply	_ year(s) Issues of ' <mark>l</mark>	'International Journal of Drug Design and Discovery'
Name :		Designation :
Phone :	e-mail:	
Organization Name &	Address :	
We enclose Demand [Oraft / Local Cheque* No	Date :
Amount :	on	drawn in favour of Pharma Book Syndicate
(Bank name)		
*payable at Hyderabad.		
Date :		Signature with stamp

Volume 4, Contents

de novo Design of Non-Steroidal Oestrogen Receptor Modulating Molecules using Maltanedienol as a Lead Molecule - Maria Cassar, Claire Shoemake, Lilian M Azzopardi, Charles Saliba and Gilles Gutierrez • One Pot Synthesis of Certain Novel Substituted Analogous of 1,4- Dihydropyridines and their Antimicrobial Activities - Aejaz Ahmed, K.I. Molvi, Irshad Baig, Sayyed Nazim, Aijaz A. Sheikh • Synthesis and Antibacterial Activity of N,N-Diethyl-3-substituted-2-(4-methyl-phenylsulfonamido) alkanamides and their Arylsulfonamide Precursors - Olayinka O. Ajani, Oluwole B. Familoni, Feipeng Wu, Johnbull O. Echeme and Zheng Sujiang • Novel Affinity Chromatographic Technique for Purification of Dihydrofolate Reductase from Recombinant Yeast - Archana Raju, Mariam S. Degani, Manisha A. Khedkar, Sonali N. Niphadkar • Synthesisand In-vitro Anti-fungal Evaluation of 6-bromo, 3, 4 substituted-4-one-1,3 thiazolidin-3-yl benzylquinazoline-4(3H)-one - Shweta Tiwari, Vikas Mujalda, Vasudha Sharma, Pushplata Saxena, Manjul Shrivastava • Interaction of Mitoxantrone and its Analogs with Methylated and Non-methylated CpG Islands in Tetrameric DNA Sequences: A Molecular Modeling Study - Pamita Awasthi, Shilpa Dogra, Lalit K. Awasthi and Ritu Barthwal • Design, Synthesis, Anti-HIV Activity and Cytotoxicity of Novel Schiff's base of Indeno[1,2-b]quinoxalin-11-one Derivatives - P. Selvam, E De Clercq, C. Pannecouque

Identification and Design of Potent Leads for AKT1: Pharmacophore Modeling and Virtual Screening -Reshma Alokam, Manasa Srivatsa and Suneelkumar Bommisetty • Vitalrole of Aromatic Keton to demonstrate Various Biological Activities: A Chalone - H. K. Donda, S. D. Faldu, K. G. Kapuriya, S. S. Kadam, A. L. Ganure • Synthesis and Antimicrobial Evaluation of Newly Sythesized Triazolothiadiazole Analogs - D. K. Ramesh, B. Gopala Krishna, J. H. Mruthyunjaya, Manjunatha. S. Katagi and Girish. Bolakatti • Interaction of Mitoxantrone and its Analogs with Methylated and Non-Methylated CpG Islands in Tetrameric DNA Sequences: A Molecular Modeling Study - Pamita Awasthi, Shilpa Dogra, Lalit K. Awasthi and Ritu Barthwal • Synthesis, in-vitro Antimicrobial and Antitubercular Screening of Some Schiff Base of 5-amino-4-[2-(4-phenyl-1,3-thiazol-2-yl)hydrazinylidene]-2,4-dihydro-3H-pyrazol-3-one - K.K. Sivakumar and A. Rajasekaran • 6. QSAR and Docking Study for Rate of Mushroom Tyrosinase Inhibition by Some 5-Benzylidene Barbiturate Derivatives - Ramesh L. Sawant, Ganesh D. Jadhav, Prashant D. Lanke, Jyoti B. Wadekar • Fragment Based Drug Discovery - A Tool for Drug Discovery - M. P. Toraskar, N. S. Singasane, J. B. Pichake and Vilasrao Kadam • Synthesis of Novel 4-substituted Arylsemicarbazones of Menthone and Evaluation of its Anticonvulsant Activity - Sushil Mhaske, Sunil Pawar, Dr. S. G. Wadodkar, Pranjali Borkar • Synthesis and Anti-inflammatory Screening of Azetidinyindoles and Thiazolidinylindoles - Shalabh Sharma and VandanaKushwah • Comfa Study of A Series of N.-(Substituted)Aryl-2-(Substituted)-5,7-Dimethyl-pyrido[2,3-D] Pyrimidin-4(3h)-One - Histamine H₁-Receptor Antagonists - Bhumika D. Patel, Manjunath D. Ghate, Nirzari Gupta, Mahesh T. Chhabria

Designing Hypothesis of Substituted N-arylsulfonyl-3-acetylindoles as Anti-HIV Agents: 3D QSAR Study - Ravichandran V, Harish R, Shalini S, Dhanaraj SA, Suresh Kumar K • Isatin Derivatives as Novel Inhibitors of HIV Integrase/LEDGF Interaction - Periyasamy selvam, Nouri Neamati, Tino Sanchenz, Anand Kumar V. Raichurkar • A Molecular Dynamics Investigation on the Inhibition of PRL-3 by Emodin - Sharad Verma, Amit Singh, NidhiGoyal and Abha Mishra • 3D-QSAR StudiesCombined with Virtual Screening to Identify Novel Inhibitors of N-Acetyl glucosamine 1-phosphate uridyltransferase from Mycobacterium tuberculosis - J.T. Patrisha, MaduBattu, D. Sriram and P. Yogeeswari • 3D QSAR and Pharmacophore Identification of Heteroarylpiperazine-Substituted l-prolylthiazolidines as Dipeptidyl Peptidase-4 Inhibitors - Prafulla Balkrishna Choudhari, Onkar Sunil Pawar and Sachin Gadkari • 3D QSAR, Pharmacophore Identification of 2-methoxy Benzanilides and their Thioxo Analogues as Antimycobactrials - Suit Desai, Sachin Gadkari, Prafulla Choudhari and Manish Bhatia • Identification of Protein Biomarkers in Cholera and Rational Drug Designing - Suma. N., Tanusreechaudhuri. and Kusum Paul

IJDDD BEST RESEARCH PAPER AWARD

We have instituted "Best Research Paper Award" to recognize outstanding achievement in pharmaceutical science as demonstrated by the author in quality and originally of the manuscript published in the International Journal of Drug Design and Discovery.



Pharma Book Syndicate

An Unit of BSP Books Pvt. Ltd. **Journal Subscription Division**

4-4-309/316, Giriraj Lane, Sultan Bazar, Hyderabad - 500 095 - A.P. Phone: 040 - 23445600 e-mail: journal@bspbooks.net

E-mail: anilshah@pharmabooksyndicate.com **Anil Shah** - 9849021905

production@bspbooks.net Naresh Davergave - 9849945062

PLEASE FIX STAMP HERE