

ISSN: 1816-1820 (Print version)
1816-1839 (Online version)

The Dhaka University Journal of Pharmaceutical Sciences

(*Dhaka Univ. J. Pharm. Sci.*)

Vol. 10, No. 1

June, 2011

EDITORIAL BOARD

Editor

Emeritus Prof. Dr. Abdul Jabbar
Department of Pharmaceutical Chemistry
University of Dhaka

Members

Prof. A. B. M. Faroque
Dean (Acting), Faculty of Pharmacy
University of Dhaka

Prof. Dr. A. K. Azad Chowdhury
Department of Clinical Pharmacy and
Pharmacology, University of Dhaka

Prof. Dr. Muniruddin Ahmed
Department of Clinical Pharmacy and
Pharmacology, University of Dhaka

Prof. Dr. Md. Amjad Hossain
Department of Pharmaceutical Chemistry
University of Dhaka

Prof. Bidyut Kanti Datta
Department of Pharmaceutical Technology
University of Dhaka

Prof. Dr. Nazmul Qais
Department of Clinical Pharmacy and
Pharmacology, University of Dhaka

Prof. Dr. (Mrs.) Nurun Nahar Rahman
Department of Pharmaceutical Chemistry
University of Dhaka

Prof. Dr. Choudhury Mahmood Hasan
Department of Pharmaceutical Chemistry
University of Dhaka

Prof. Dr. (Mrs.) Rebecca Banoo
Department of Pharmaceutical Chemistry
University of Dhaka

Prof. Dr. Reza-ul-Jalil
Department of Pharmaceutical Technology
University of Dhaka

Prof. Dr. Md. Abdur Rashid
Department of Pharmaceutical Chemistry
University of Dhaka

Published by: Emeritus Prof. Dr. Abdul Jabbar, Editor, The Dhaka University Journal of Pharmaceutical Sciences, Faculty of Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh, on behalf of the Editorial Board.

All communications regarding the journal should be addressed to: Emeritus Prof. Dr. Abdul Jabbar, Editor, The Dhaka University Journal of Pharmaceutical Sciences, Faculty of Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh. Phone: 9661920-73/8133, Fax: 880-2-8615583, E-mail: dujps_du@yahoo.com, Web: www.pharmadu.net

Computer formatted by:

Hasib Computers & Printing, 62/1, Purana Paltan, Dhaka-1000, Bangladesh
Phone: 01552-388130, 9016429 (Res.), E-mail: hcomputer05@yahoo.com

Printed by:

Asiatic Civil Military Press, 43/10 C, Swamibag, Dhaka-1100, Bangladesh. Phone: 7120428

The Dhaka University Journal of Pharmaceutical Sciences

(Dhaka Univ. J. Pharm. Sci.)

Vol. 10

No. 1

June, 2011

CONTENTS

- Md. Saiful Islam, Md. Ziaur Rahman Khan, Masuda Khatun, Jakir Ahmed Chowdhury and Md. Selim Reza** - Studies on Bio-adhesion of Matrix Tablets: II. Comparison on Bio-adhesion Strength and Release Profiles of Theophylline Anhydrous and Its Sodium Glycinate Salt 1
- Dipankar Das Gupta, Md. Enamul Haque, Md. Nahidul Islam, Shafiqur Rahman, A.K.M. Mahbub Hasan and Baigid Alam Shibib** - Alkaloid and Steroid from the Stem Bark of *Jatropha curcas* (Euphorbiaceae) 9
- Md. Sharif Hossain and Fatema Begum** - Relationship between Urinary Arsenic Level and Urinary Iodine, Radioiodine Uptake, TSH, FT₄ Levels: Research is Based on Experimental and Control Groups 13
- Adenike Okunlola and Oluwatoyin A. Odeku** - Effects of Water Yam and Corn Starches on the Interacting Variables Influencing the Disintegration of Chloroquine Phosphate Tablets 21
- Nahid Sharmin, Md. Elias-Al-Mamun, Md. Saiful Islam and Reza-ul Jalil** - Preparation and Characterization of Lidocaine Double Layer Buccal Tablet Using Mucoadhesive Carbopol® Polymers 29
- Md. Arif Hossen, Md. Ahsanul Haque, Irin Dewan, A. N. M. Hamidul Kabir, Md. Khalid Hossain and S. M. Ashraful Islam** - Development and Validation of RP-HPLC Method for the Simultaneous Estimation of Hydrochlorothiazide and Losartan Potassium in Tablet Dosage Form 35
- M.H. Morshed, M.F. Islam, M.A Yousuf, G.M.G. Hossain, J. A. Khanam and M.A. Salam** - Synthesis and Antimicrobial Screening of Three Triazole Derivatives 43
- M. Mostafa, Ismet Ara Jahan, M. Riaz, Hemayet Hossain, Ishrat Nimmi, A. Sattar Miah and J. U. Chowdhury** - Comprehensive Analysis of the Composition of Seed Cake and its Fatty Oil from *Swietenia mahagoni* Jacq. Growing in Bangladesh 49
- Md. Rakib Uddin, Suchana Sinha, Md. Aslam Hossain, Md. Abul Kaisar, Md. Khalid Hossain and Mohammad A. Rashid** - Chemical and Biological Investigations of *Justicia gendarussa* (Burm. f) 53
- Rubaba Karim, Zabun Nahar, Mohammad Safiqul Islam, Maizbha Uddin Ahmed, AGM Mustafa, Md. Hasanuzzaman Shohag, Abdullah Al Maruf and Abul Hasnat** - Serum MDA and Vitamin C level in Conversion Disorder Patients 59
- Short communication**
- Monzurul Amin Roni and Reza-ul Jalil** - Comparative Study of Ibuprofen Solubility in Synthetic and Natural Lipid Vehicles 65

INSTRUCTIONS TO AUTHORS

The following instructions must be followed during preparation of manuscripts intended for publication in the *Dhaka University Journal of Pharmaceutical Sciences*:

The Dhaka University Journal of Pharmaceutical Sciences, a peer reviewed journal, invites and publishes full papers and short communications that make substantial and scholarly contributions to any areas of pharmaceutical sciences.

Manuscripts should be in English, type-written or preferably composed with a computer, in double space with wide margins on 29.21 × 21.59 cm good quality bond or A4 (29.7 × 21.0 cm) offset paper and should not exceed 10 pages in case of full papers and four pages in case of short communications, including tables and figures.

Title Page. The title should appear on a separate page and should be followed by the author names and the institution name and address. The title, author name(s), and affiliations should all appear on their own respective line of text. Place an asterisk after the name of the author to whom enquiries regarding the paper should be directed and include that author's telephone and fax numbers and e-mail address.

Abstract. The abstract, detailing, in one paragraph, the problem, experimental approach, major findings, and conclusions, should appear on the second page. It should be double-spaced and should not exceed 150 words for full Papers.

Key words. Author(s) must give 3 to 10 "key words" or phrases, which identify the most important subjects covered by the paper. These should be placed at the end of the abstract.

Introduction. The manuscript should include a brief introduction stating the purpose of the investigation and relating the manuscripts to similar research previously or currently being conducted. Only information essential to the arguments should be presented.

Materials and Methods. This section should contain some specific details about the materials studied, instruments used, sources of specialized chemicals and related experimental details to allow other workers to reproduce the results. Separate paragraphs with sub-headings may be used to describe the experimental details.

Results and Discussion. The results should be presented concisely. Tables and figures should be designed to maximize the presentation and comprehension of the experimental data. The discussion should interpret the results and relate them to existing knowledge in the field as clearly and briefly as possible.

Acknowledgments. The Acknowledgments section should include credits for assistance, financial support, and other appropriate recognition.

References. References to the literature, regardless of their nature, should be numbered in order of appearance in the manuscript and cited in the text with superscript numbers. References should follow the format shown:

1. Khan, S., Jabbar, A., Hasan, C.M. and Rashid, M.A. 2000. Nasimaluns A and B: *neo-clerodane* diterpenoids from *Barringtonia racemosa*. *J. Nat. Prod.* **63**, 410-411.
2. Rashid, M.A., Gustafson, K.R., Crouch, R.C., Groweiss, A., Pannell, L.K., Van, Q.N. and Boyd, M.R. 2002. Application of high-field NMR and cryogenic probe technologies in the structure elucidation of poecillastrin A, a new antitumor macrolide lactam from the sponge *Poecillastra* species. *Org. Lett.* **4**, 3293-3296.
3. Mabry, T., Markham, K.R. and Thomas, M.B. 1971. *The Systematic Identification of Flavonoids*. Springer Verlag, New York, p. 43.
4. Harborne, J.B. 1983. In: *Chemistry and Chemical Taxonomy of the Rutales* (Waterman, P.G. and Grundon, M.F., Eds.), Academic Press, London, Chapter 2, pp. 147-173.
5. Hasan, C.M. 1982. Phytochemical studies on some African Annonaceae. Ph. D. Thesis, University of Strathclyde, U.K., p. 35.

Abbreviations. Abbreviations are used without periods. Standard abbreviations should be used throughout the manuscript. The preferred forms of some of the more commonly used abbreviations are mp, bp, °C, K, s, min, h, ml, µl, kg, g, mg, µg, cm, mm, nm, mol, mmol, µmol, ppm, TLC, GC, NMR, MS, UV, and IR.

Structural Drawings. The quality of the illustrations printed depends on the quality of the originals provided. The pages of the *Dhaka University Journal of Pharmaceutical Sciences* are produced completely electronically. Tracing paper or

textured “artist” papers should be avoided. Structures of compounds should be produced with the use of a drawing program such as Chem Draw or ISIS Draw.

Tables. These should be numbered consecutively with Arabic numerals and should be grouped at the end of the paper. Each table should be provided with a descriptive heading, which, together with the individual column headings, should make the table, as nearly as possible, self-explanatory.

Figures. Figures should be constructed carefully. All illustrations should be numbered as "Figures", with Arabic numerals. Blocks of chemical structures should not be designated as "Figures". Each figure must be identified outside the frame of the figure. The figure number (Arabic) and legend must be typed clearly.

Short Communications. Short communication should not contain any abstract. The list of references should not exceed 10. The presentation of Short Communications should be continuous and paragraphed but should not contain any headings such as Introduction, Results and Discussion, etc.

Electronic Manuscript Submission. The final accepted version of the manuscript should be submitted in electronic form. The disk should accompany the final accepted version of the manuscript and MUST exactly match the final accepted version in hardcopy. Label the disk with the manuscript number and the corresponding author name. Provide the platform, version of software used, and filenames on the Media Description form. It is best to use the fonts “Times New Roman” and “Symbol”. Tables may be created using a word processor’s text mode or table format feature. The table format feature is preferred. Ensure each data

entry is in its own table cell. If the text mode is used, separate columns with a single tab and use a line feed (return) at the end of each row.

Proofs and Reprints. Galley proofs will be sent to the corresponding author, which s/he is requested to correct and return as soon as possible. No new matter be inserted in the text and **no changes be made in the title or author name(s) at the time of proof reading.** Corresponding author will receive 25 reprints free of charge.

Declaration. All authors are requested to sign a declaration that the work described in the manuscript was carried out by them and the contents of the paper have not been published before or submitted elsewhere for publication. When the number of authors/co-authors is more than one, the corresponding author is required to mention the exact contribution of each co-author and also indicate his/her percentage of contribution.

Corrections. If errors of consequence are detected in a published paper, the author(s) should send a correction to the Editor for publication as an Addition and Correction.

Editorial Office. Manuscripts should be submitted in triplicate to the Editor, *Dhaka University Journal of Pharmaceutical Sciences*, Faculty of Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh. Correspondences regarding any submitted or accepted papers and proofs should be directed to the editorial office.

Phone: 9661920-73/8133, Fax: 880-2-8615583, E-mail: dujps_du@yahoo.com, Web: www.pharmadu.net