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

The Dhaka University Journal of Pharmaceutical Sciences

(Dhaka Univ. J. Pharm. Sci.)

Vol. 18, No. 1 June, 2019

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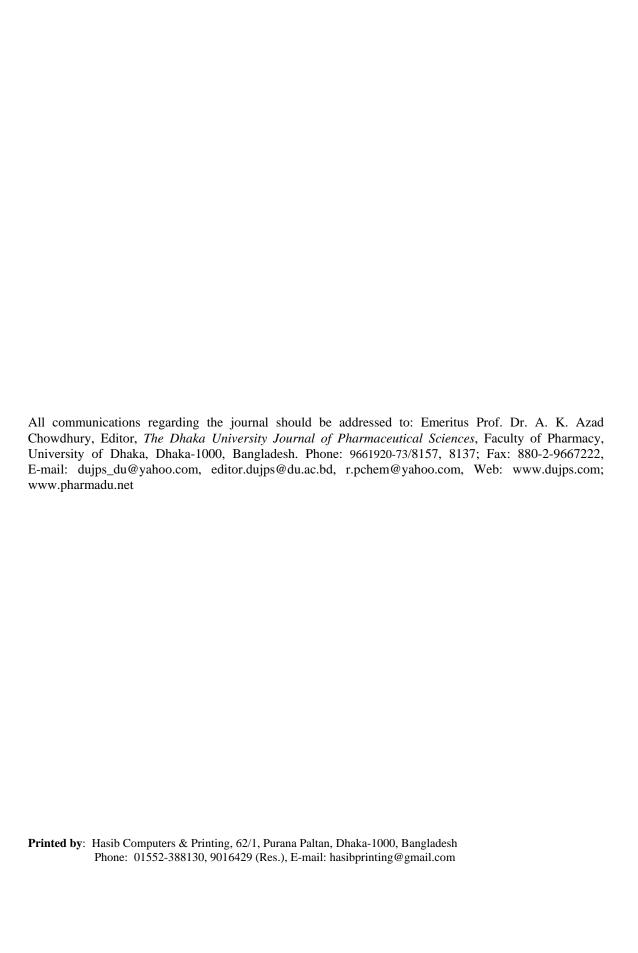
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Impact Factor: GIF = 0.835 (2015); RG = 0.52 (2015); Citeschore = 0.38 (2017)



The Dhaka University Journal of Pharmaceutical Sciences

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Vol. 18	No. 1 Jun	ne,	2019
	CONTENTS		
Selim Reza - Develoby Box – Behnken I	ker, Ikramul Hasan, Nusrat Ahmed, Mohammad Saifuddin and opment and Optimization of Acyclovir Loaded Mucoadhesive Microsph Design /10.3329/dujps.v18i1.41421		
Antioxidant Potentia	Vidya Dwi Rukmi Putri and Yunianta - Secondary Metabolites als of Axis Sea Bamboo (<i>Isis hippuris</i>) /10.3329/dujps.v18i1.41422	and	l 13
Ologunagba and Phosphorylated Tigo Formulation	regwu, Chukwuemeka P. Azubuike, Sinmisola Aloko, Modupe Cecilia I. Igwilo - Characterization and Disintegrant Potentia er Nut (<i>Cyperus esculentus</i>) Starch in Immediate Release Ibuprofen T /10.3329/dujps.v18i1.41423	l of	Î
Mazid - Cholinester Plant and Fungi	minul Adib, Monira Ahsan, Md. Mustafizur Rahman and Md. A rase and Glycation Inhibition Assay of Several Metabolites Obtained /10.3329/dujps.v18i1.41424		
Analysis of Alcohol	Clena A. Maksimkina and Manuk A. Arabyan - Pharmacoecon -Dependent Patients Drug Therapy /10.3329/dujps.v18i1.41425	omic	39
Pharmaceutical Equal Bangladesh	Takir Sultan, Jakir Ahmed Chowdhury and Md. Shah Amran - In uivalence Study of Three Brands of Atenolol Tablets Available 10.3329/dujps.v18i1.41426		
Shill, Hemayet Ho Hasan Mahmud R Induced Diabetic M	Manik Zahan, Fatema Zohura Talukder, Riaz Uddin, Manik Charossain, Lutfun Nahar, Satyajit Dey Sarker, Md. Ashraful Alam Reza - Alternanthera bicolor Produces Hypoglycemic Effect in Alloice through its Antioxidant Activity /10.3329/dujps.v18i1.41431	and	l
Rashid - Enantiom Chiral HPLC Metho	mmad Rashedul Haque, M. Muhibur Rahman and Mohammad neric Determination of Carvedilol by a Newly Developed and Valid od /10.3329/dujps.v18i1.41432		
Wilfred O. Obonga, Phytochemical Eval Seed	Edwin O. Omeje, Charles O. Nnadi and Wilson G. Ochen luation of Extracts and GC-MS analysis of oil from <i>Monodora myri</i> /10.3329/dujps.v18i1.41893		

S. Kumar and P. K. Srivastava - Syntheses, Characterization and Biological Evaluation of a Series of 2-Phenylamino-5-(2-Chlorophenyl)-1,3,4-Oxadiazole Derivatives DOI: https://doi.org/10.3329/dujps.v18i1.41894	75
A.I. Kriukova, I.M. Vladymyrova, O.L. Levashova and T.S. Tishakova - Determination of Amino Acid Composition in the <i>Harpagophytum procumbens</i> Root DOI: https://doi.org/10.3329/dujps.v18i1.41895	85
Md. Abdul Muhit, Kaoru Umehara, Nahid Sharmin and Hiroshi Noguchi - Cycloartane and Stigmastane Type Triterpenoids from <i>Pothos scandens</i> Inhibit Estradiol (E ₂) Induced Proliferations in Breast Cancer Cells DOI: https://doi.org/10.3329/dujps.v18i1.41896	93
Sayani Bhattacharyya and Bharani S. Sogali - Application of Statistical Design to Assess the Critical Process Parameters of Ethanol Injection Method for the Preparation of Liposomes DOI: https://doi.org/10.3329/dujps.v18i1.41897	103
Md Jahidul Hasan, Raihan Rabbani and Sitesh C Bachar - Clinical Interventions of Critical Care Pharmacist in the Therapeutic Management of Critically Ill Patients: A Retrospective Study in Bangladesh DOI: https://doi.org/10.3329/dujps.v18i1.41898	113
Short communications Akhtaruzzaman Chowdhury, Md. Shafiullah Shajib, Faiza Tahia, Md. Ashraful Alam and Mohammad A. Rashid - Total Phenolic Content, Membrane Stabilization and Thrombolytic Activities of <i>Corypha taliera</i> (Arecaceae) Flowers DOI: https://doi.org/10.3329/dujps.v18i1.41427	121
Sumaya Mahmud Sharna, Mehedi Hasan Shuvo, Syef Ferdaus and Sabiha Chowdhury - Development and Validation of RP-HPLC Method for Analysis of Rabeprazole Sodium DOI: https://doi.org/10.3329/dujps.v18i1.41428	125
Nusrat Islam Chaity, Sabrina Rahman Archie and Nusrat Ahmed - Preparation and <i>In vitro</i> Evaluation of Orally Disintegrating Tablets (ODTs) of Alprazolam DOI: https://doi.org/10.3329/dujps.v18i1.41430	129

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- 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.
- 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.
- Harborne, J.B. and Williams, C.A. 2000. Advances in flavonoid research since 1992. *Phytochemistry* 55, 481-504
- Mabry, T., Markham, K.R. and Thomas, M.B. 1971. The Systematic Identification of Flavonoids. Springer Verlag, New York, p. 43.
- 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.
- 6. Hasan, C.M. 1982. Phytochemical studies on some African Annonaceae. Ph.D. Thesis, University of Strathclyde, U.K., p. 35.
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