

## Research and review articles published or accepted for the Academic Year 2011-2012

### DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

Nashawi, H., Bartl, T., Bartl, P., Novotny, L., Oriowo, M.A. and KOMBIAN, S.B: TH-9 (a theophylline derivative) induces long-lasting enhancement in excitatory synaptic transmission in the rat hippocampus that is occluded by frequency-dependent plasticity in vitro. *Neuroscience*, 220, 70-84 (2012).

Al-Musawi, A., Matar, K. M., Kombian, S.B. and Andersson, L. A pharmacokinetic study of a topical anesthetic (EMLA®) in mouse soft tissue laceration, *Dental Traumatology*, 2012 (in press)

Kombian, S.B., Ananthalakshmi, K.V.V., Zidichouski, J.A. and Saleh T.M. Cocaine sensitization does not alter Substance P effects on locomotion or excitatory synaptic transmission in the nucleus accumbens of rats. *Neuropharmacology*, 62, 825-832, (2012). Epub 2011, Sep 14:

Sharma, J. N. (2012 In Press). Association between the kinin-forming system and cardiovascular pathophysiology. *Asia Pacific Journal of Tropical Medicine (China)*

Sharma, J. N. (2012). The kinin system in hypertensive pathophysiology. *Inflammopharmacology (UK)* DOI 10.1007/s10787-012-0137-5.

Sharma, J. N. and Narayanan, P. (2011). Hypertension and Diabetes: Contribution of the kallikrein-kinin system. *Journal Diabetes and Metabolism (USA)* S4:004. doi:10.4172/2155-6156.S4-004.

Sharma, J. N. and Kesavarao, U. (2011). The effects of captopril on cardiac regression, blood pressure and bradykinin components in diabetic Wistar Kyoto rats. *International Journal of Immunopathology and Pharmacology (Italy)* 24: 337-343.

Sharma, J. N. and Al-Sherif, G. J. (2011). The kinin system: present and future pharmacological targets. *American Journal of Biomedical Sciences (USA)* 3: 156- 169.

El-Hashim AZ, Renno WM, Raghupathy R, Abduo HT, Akhtar S, Benter IF. Angiotensin 1-7 inhibits allergic inflammation, via the Mas receptor, through suppression of ERK1/2 and NF- $\kappa$ B. *Pharmacol. 166*, 1964–1976

Parvathy SS, Masocha W. Matrix Metalloproteinase Inhibitor COL-3 Prevents the Development of Paclitaxel-Induced Hyperalgesia in Mice. *Med Princ Pract.* (2012) [in press]

Masocha W, Kristensson K. Passage of parasites across the blood-brain barrier. *Virulence.* (2012) 3:202-12.

Gonzalez LG, Masocha W, Sánchez-Fernández C, Agil A, Ocaña M, Del Pozo E, Baeyens JM. Changes in morphine-induced activation of cerebral Na<sup>(+)</sup>,K<sup>(+)</sup>-ATPase during morphine tolerance: biochemical and behavioral consequences. *Biochem Pharmacol.* (2012) 83:1572-81.

Amin DN, Vodnala SK, Masocha W, Sun B, Kristensson K, Rottenberg ME. Distinct Toll-like receptor signals regulate cerebral parasite load and interferon  $\alpha/\beta$  and tumor necrosis factor  $\alpha$ -dependent T-cell infiltration in the brains of *Trypanosoma brucei*-infected mice. *J Infect Dis.* (2012) 205:320-32.

Khajah MA, Al Saleh S, Mathew PM, Luqmani YA (2012) Differential effect of growth factors on invasion and proliferation of endocrine resistant breast cancer cells. *PLoS One* 7: 30.

## DEPARTMENT OF PHARMACEUTICS

### **Published Research articles:**

Abdel-Hady E., El Hammamsy M., Hedaya M., and Awad H. "The Efficacy and Toxicity of Two Dosing-Regimens of Amikacin in Neonates with Sepsis" *J Clin Pharm Therap*, 36:45-52 (2011).

Nada A.H., Zaghloul A.A., Hedaya M.H., Khattab I.S., Stability of Vitamin E and Vitamin E Acetate Containing Cosmetic Preparations, *Journal of Global Pharma Technology*, 4:1-8 (2012).

Yellela S. R. Krishnaiah, Aly Nada, Enantioselective penetration enhancing effect of carvone on the *in vitro* transdermal permeation of nicorandil, *Pharmaceutical Development and Technology*, Vol. 17, No. 5 , 574-582 (2012). (doi:10.3109/10837450.2011.557729).

Mohamed Etman, Mohamed Amin, Aly Hassan Nada, Mohamed Shams-Eldin, Osama Salama. Efficacy of myrrh total oil emulsion against *hymenolepis nana* in rats. *Journal of Global Pharma Technology*, Vol. 4, No. 6, 8-11 (2012).

Mohamed A. Etman, Ragwa M. Farid, Aly H. Nada, Abdel-Azim R. Ebian (2012). In vitro/in vivo Correlation of Fast Release Mephenamic Acid Microspheres in Humans, Vol. 21, No. 3, 20127, *Med Princ Pract* , Vol. 21, Pages 223-227 (DOI: 10.1159/000333558).

Abdelazim Zaghloul, Aly Nada A, Ibrahim Khattab. Development, characterization and optimization of ibuprofen Self-emulsifying drug delivery system applying Face Centered Experimental Design. *International Journal of Pharmacy and Technology*. 3(1): 1674-1693 (2011).

Khattab IS, Nada A, Zaghloul AA. Physicochemical characterization of gliclazide-macrogol solid dispersion and tablets based on optimized dispersion. *Drug Dev Ind Pharm*. 36(8):893-902 (2010).

Bandarkar FS., Khattab IS. Lyophilized gliclazide-poloxamer solid dispersions for enhancement of in-vitro dissolution and in-vivo bioavailability. *Int. J of Pharm Pharm Sci*, 3 (2): 122-127 (2011).

Khattab I, Bandarkar F, Fakhree M., and Jouyban A. Density, Viscosity, and Surface Tension of Water + Ethanol Mixtures from 293 to 323 °K. *Korean J Chem Eng* (Accepted).

### **Published Books:**

Mohsen A. Hedaya " Basic Pharmacokinetics " (2012) Second Edition, CRC Press, Boca Raton . ISBN: 9781439850732

## DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

### **Published Research articles:**

Al Saleh S, Al Mulla F and Luqmani YA (2011). Estrogen receptor silencing induces epithelial to mesenchymal transition in human breast cancer cells. *PLoS One* 6 (6): e20610.

Khaja M, Mathew PM, Al Saleh S, Luqmani YA (2012). Differential Effect of Growth Factors on Invasion and Proliferation of Endocrine Resistant Breast Cancer Cells. *PLoS ONE* 7(7): e41847. doi:10.1371

ME Abdel-Hamid and LH Sharaf (2012) Use of stable labeled internal standards LC-MS/MS method for the detection and confirmation of inherited metabolic diseases in sick infants Res J. Pharm Tech. 5, 768-774.

Phillips OA; Udo EE; and Varghese R. (2012). Anti-mycobacterial activities of novel 5-(1H-1,2,3-triazolyl)methyl oxazolidinones Tuberculosis Res and Treat, vol 2012, Article ID 289136, doi:10.1155/2012/289136.

Abdel-Hamid ME; Sharaf LH; Phillips OA; Kehinde EO and Babu A. (2012). A Rapid liquid Chromatography-Tandem Mass Spectrometry Method for the Determination of Ciprofloxacin in Rabbits Serum Following Intra-gastric Dosing: Application to Pharmacokinetics Study. Res J Pharm Tech 5(5): 624-631.

Abdel-Hamid ME; Sharaf LH; Phillips OA and Kehinde EO (2011). A Validated LC-MS/MS Method for the Determination of Tamsulosin Hydrochloride in Six Brands; Applications to Content Uniformity and Dissolution Studies. Res J Pharm Tech 4(12):1885-1890.

Orabi K. Y. Search for New Leads from Marine Macrofauna: Collection from Kuwaiti Arabian Gulf Coast. Int J Pharmacy and Pharm Sciences, 3(4), 229-233 (2011).

Sary HG and Orabi KY. Microbial Hydroxylation of Yohimbine, Int J Biotechnology for Wellness Industries, 1, 101-106 (2012).

Al-Hasawi, N. Volpato, M. And Loadman, P. 2011. Chromatographic analysis of polysialic acid released from neural adhesion molecule presented on glioma cell membranes. Kuwait J Science & Eng 38(2A): 107-130.

Nashawi H., Bartl T., Bartl P., Novotny L., Oriowo M.A., Kombian S.B.: TH-9 (a theophylline derivative) induces long-lasting enhancement in excitatory synaptic transmission in the rat hippocampus that is occluded by frequency-dependent plasticity in vitro. Neuroscience 220, 2012, 70-84.

### **Review articles:**

Al Saleh S, Sharaf LH and Luqmani YA (2011). Signaling pathways involved in endocrine resistance in breast cancer and associations with epithelial to mesenchymal transition (Review). Int J Oncol 38, 1197-1217.

Al Saleh S and Luqmani YA (2011). Endocrine resistance and epithelial mesenchymal transition in breast cancer. In: Breast Cancer Cells. InTech.

### **DEPARTMENT OF PHARMACY PRACTICE**

Awad AI, Al-Ajmi S, Waheedi MA (2012). Knowledge, perceptions and attitudes toward complementary and alternative therapies among Kuwaiti medical and pharmacy students. Med Princ Pract. 21(4):350-4.

Abahussain EA , WaheediM. and Koshy S. (2012). Practice, awareness and opinion of pharmacists toward disposal of unwanted medications in Kuwait. Saudi Pharmaceutical journal. 20, 195-201.

Alsaleh FM, Smith FJ, Thompson, R, Taylor KMG. A structured educational insulin pump therapy programme – the views of children/young people and their parents. Accepted for publication in European Diabetes Nursing.