

Research and review articles published or accepted for the Academic Year 2012-2013

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

Al-Musawi A, Matar K, Kombian S, Andersson L (2012) A pharmacokinetic study of a topical anesthetic (EMLA®) in mouse soft tissue laceration. *Dent Traumatol.* 28: 483 – 487.

Matar K, Al-Ianqawi Y, Abdul-Malek K, Jelliffe R (2013) Amikacin population pharmacokinetics in critically-ill Kuwaiti patients. *BioMed Res Inter.* 2013:202818. doi: 10.1155/2013/202818.

Sharma JN, Al-Shoumer KA, Matar KM, Al-Gharee HY, Madathil NV (2013) Bradykinin-forming components in Kuwaiti patients with type 2 diabetes. *Int J Immunopathol Pharmacol.* 26(3): 699 – 705.

Kombian, S.B. and Phillips, O.A. Novel actions of oxazolidinones: *In vitro* screening of a triazoloxazolidinone for anticonvulsant activity. *Med Princ Pract*, 22(4), 340-345 (2013). (*Epub Dec 21, 2012*).

Katoue, M., Awad, A.I. and Kombian, S.B. Role of community Pharmacist in the prevention and management of the metabolic syndrome in Kuwait. *International Journal of Clinical Pharmacy.* 35(1), 57-64 (2013). (*Epub Oct 16 2012*). I.F:1.25

Sharma, J. N. , Al-Shoumer, K. A. S., Matar, K. M., Al-Gharee, H. Y. and Madathil, N. V. (2013). Bradykinin-forming components in Kuwaiti patients with type 2 diabetes. *International Journal of Immunopathology and Pharmacology (Italy)* 26: 699-705

Sharma, J. N. (2013). The kinin system in hypertensive pathophysiology. *Inflammopharmacology (UK)* 21: 1-9

Sharma, J. N. (2012). Association between the kinin-forming system and cardiovascular pathophysiology. *Asia Pacific Journal of Tropical Biomedicine (China)* 2 (Supplement 3): S1938-S1944.

Ahmed Z. El-Hashim Jaffal SM, Al-Rashidi, FT, Luqmani, YA, Akhtar, S. Nerve growth factor enhances cough via a central mechanism of action. (2013). *Pharmacological Research*, 74, 68-77

Kilarkaje N, Yousif MH, El-Hashim AZ, Makki B, Akhtar S, Benter IF. Role of angiotensin II and angiotensin-(1-7) in diabetes-induced oxidative DNA damage in the corpus cavernosum. (2013). *Fertil Steril*, 100, 68-77

Edan R.A., Luqmani Y.A., Masocha W., (2013) COL-3, a chemically modified tetracycline, inhibits lipopolysaccharide-induced microglia activation and cytokine expression in the brain. *PLoS One* 2013;8(2):e57827.

Parvathy S.S., Masocha W., (2013) Gait analysis of C57BL/6 mice with complete Freund's adjuvant-induced arthritis using the CatWalk system. *BMC Musculoskelet Disord.* 2013 14:14

Parvathy S.S., Masocha W., (2013) Matrix Metalloproteinase Inhibitor COL-3 Prevents the Development of Paclitaxel-Induced Hyperalgesia in Mice. *Med Princ Pract.* 22:35-41

Maitham A. Khajah, Iman Almohri, Princy M. Mathew, Yunus A. Luqmani., (2013) Extracellular alkaline pH leads to increased metastatic potential of estrogen receptor silenced endocrine resistant breast cancer cells. *PLOS ONE*, In press.

DEPARTMENT OF PHARMACEUTICS

Published Research articles:

Etman, M., Farid, R., Nada, A.H., Ebian, A., In vitro / in vivo Correlation of Fast Release Mephenamic Acid Microspheres in Humans, *Medical Principles and Practice*, 21, 223-227 (2012).

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

Etman M., Amin, M., Nada, A.H., Shams-Eldin, M., Salama, O., Efficacy of Myrrh Total Oil Emulsion Against *Hymenolepis Nana*, *Journal of Global Pharma Technology*, 6, 1-4 (2012).

Krishnaiah Y.S.R., Nada, A.H., Enantioselective Penetration Enhancing Effect of Carvone on the *in vitro* Transdermal Permeation of Nicorandil, *Pharmaceutical Development and Technology*, 17, 574-582 (2012).

Farid, R., Etman, Nada, A.H., Ebian, A., Sodium Alginate Microspheres of Salbutamol Sulphate for Nasal Administration: Formulation and Evaluation, *American Journal of Pharmtech Research*, 2, 1-20 (2012).

Abdelazim Zaghloul, Fathy Abd-Allah, Hamed Abu Seada, Aly Nada. Stability and Human Bioavailability of Optimized Self-Emulsified Drug Delivery System of Ibuprofen. *Am. J. PharmTech Res.* 2013; 3(3), 721-733.

Hedaya M.A., and Helmy S.A. "Pharmacokinetic Interactions of Valsartan and Hydrochlorothiazide: An Open-Label, Randomized, Four-Period Crossover Study in Healthy Egyptian Male Volunteers" *Clin Therapeutics*, 35:846-861 (2013).

Published Books:

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

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Published Research articles:

Sharaf L.H., Abdel-Hamid M.E., Novotny L., Brtko J (2012) Assessment of the stability of new chemotherapeutic selenium-kojic acid derivative using HPLC and MS analysis. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 3, 173-182.

Saeedi FJ, Mathew PM, Luqmani YA (2013). Assessment of tracer $^{99m}\text{Tc(V)}\text{-DMSA}$ uptake as a measure of tumour cell proliferation *in vitro*. *PLoS ONE* 8(1): e54361. Doi: 10.1371/journal.pone.0054361

Edan RA, Luqmani YA, Masocha W (2013). COL-3, a chemically modified tetracycline, inhibits lipopolysaccharide-induced microglia activation and cytokine expression in the brain. *PLoS ONE* 8(2): e57827. doi:10.1371/journal.pone.0057827.

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Khaled Y. Orabi, "Microbial Metabolism of Rofecoxib, A Selective COX-2 Inhibitor", *International Journal of Biotechnology for Wellness Industries*, 1 (4), 235-240 (2012).

Khaled Y. Orabi, Mohamed S. Abaza, Khalid A. El Sayed, Ahmed Y. Elnagar, Rajaa Al-Attiyah, Radhika P. Guleri, "Selective Growth Inhibition of Human Malignant Melanoma Cells by Syringic Acid-Derived Proteasome Inhibitors", *Cancer Cell International*, 13:82, 1-15 (2013).

Asmaa A. Sallam, Wael E. Houssen, Chris R. Gissendanner, Khaled Y. Orabi, Ahmed I. Foudah, Khalid A. El Sayed, "Bioguided discovery and pharmacophore modeling of the mycotoxic indole diterpene alkaloids penitremes as breast cancer proliferation, migration, and invasion inhibitors", *MedChemComm*, August 2013, DOI: 10.1039/C3MD00198A.

Phillips OA; Udo EE; Abdel-Hamid ME and Varghese R. (2013). Synthesis and antibacterial activities of *N*-substituted-glycinyll 1*H*-1,2,3-triazolyl oxazolidinones. *Europ. J. Med. Chem.* 66:246-257; [DOI 10.1016/j.ejmech.2013.05.041].

Kombian SB and Phillips OA (2013). Novel actions of oxazolidinones: in vitro screening of a triazolyl oxazolidinone for anticonvulsant activity. *Med Princ Pract* 22:340-345, [DOI: 10.1159/000346005].

Phillips OA; Udo EE; Abdel-Hamid ME and Varghese R. (2012). Effects of varied substituents on the antibacterial activity of triazolyl oxazolidinones *Arch. Pharm. Chem. Life Sci.* 345, 790-803.

Review articles:

Khaled Y. Orabi, Farouk S. El-Ferally, Waleed A. Al-Sulmy, Mohammed A. Al-Yahya, "Biotransformation of Vulgarin", *Mini-Reviews in Medicinal Chemistry*, 13, 777-782 (2013).

DEPARTMENT OF PHARMACY PRACTICE

Al-Taweel DM, Awad AI, Johnson BJ. (2012). Evaluation of adherence to international guidelines for treating patients with type 2 diabetes mellitus in Kuwait. *Int J Clin Pharm* 35(2):244-50.

Katoue M, Awad A, Kombain S (2012). Role of community pharmacists in the prevention and management of the metabolic syndrome in Kuwait. *Int J Clin Pharm* 35(1):57-64.

Awad A, Waheedi M (2012). Community Pharmacists role in obesity treatment in Kuwait: a cross-sectional study. *BMC Public Health* 12(1):863.

Waheedi M, Awad A, Enlund H, Hatoum H.T. "Knowledge as a determinant of self-management behavior in type 2 diabetes in Kuwait." In press.