

Research and review articles published or accepted for the Academic Year 2013-2014

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

Matar K. (2013) Impact of pregnancy on zonisamide pharmacokinetics in rabbits. *BioMed Res Inter.* 1 – 5, 2013:140327. doi: 10.1155/2013/140327.

Matar K, Awad A, Elamin S.(2014)Pharmacokinetics of artesunate alone and in combination with sulfadoxine/pyrimethamine in healthy Sudanese volunteers. *Am J Trop Med Hyg.* 90(6): 1087 – 1093.

Matar K. (2014) A simple and accurate liquid chromatography-tandem mass spectrometry method for quantification of zonisamide in plasma and its application to a pharmacokinetic study. *J Chromatogr B.* 961: 103 – 109.

Matar K, Tayem Y. (2014) Effect of experimentally induced hepatic and renal failure on the pharmacokinetics of topiramate in rats. *BioMed Res Inter.* 1 – 5, 2014: 570910. doi: 10.1155/2014/570910.

Edafiohgo, I.O., Qaddoumi M.G., Ananthalakshmi, K.V.V.,Phillips, O.A. and KOMBIAN, S.B. Synthesis, neuronal activity and mechanisms of action of halogenated enamminones. *Eur. J. Med. Chem.*, 76, 20-30 (2014). (Epub Feb 4, 2014).

Katoue, M., Awad, A.I., Schwinghammer, T.L. andKOMBIAN, S.B. Pharmaceutical care education in Kuwait: pharmacy students' perspectives. *Pharmacy Practice.* 12(3), 411- (2014)

Jagdish N. Sharma (2014). *Progress in Drug Research: Recent Developments in the Regulation of Kinins* (Editor). Volume 69. Editor. Springer International Publisher, Basel, Switzerland

Sharma, J. N. (2014). Basic and clinical aspects of bradykinin receptor antagonists. *Prog. Drug Res.* 49: 1-14.

Sharma, J. N. and Narayanan, P. (2014). The kallikrein-kinin pathways in hypertension and diabetes. *Prog. Drug Res.* 49: 15-36.

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Sharma, J.N. and Rainsford, K.D. (2014). Forward: *Progress in Drug Research.* 49: v-vi.

Yousif MH, Makki B, El-Hashim AZ, Akhtar S, Benter IF.Chronic Treatment with Ang-(1-7) Reverses Abnormal Reactivity in the Corpus Cavernosum and Normalizes Diabetes-Induced Changes in the Protein Levels of ACE, ACE2, ROCK1, ROCK2 and Omega-Hydroxylase in a Rat Model of Type 1 Diabetes. *J Diabetes Res.* 2014;2014:142154

Ezeamuzie CI, El-Hashim AZ, Renno WM, Edafiohgo IO. Antiallergic and antiasthmatic effects of a novel enhydrazinone ester (CEE-1): inhibition of activation of both mast cells and eosinophils. *J Pharmacol Exp Ther.* 2014 Aug;350(2):444-54.

Masocha W., (2014) Paclitaxel-induced hyposensitivity to nociceptive chemical stimulation in mice can be prevented by treatment with minocycline. *Scientific reports* 4:6719.

Thangamani D., Edafigho I.O., Masocha W., (2013) The Anticonvulsant Enaminone E139 Attenuates Paclitaxel-Induced Neuropathic Pain in Rodents. The Scientific World Journal, vol. 2013, Article ID 240508, 8 pages.

Masocha W., Rottenberg M.E., Kristensson K., (2014) Neurobiology of African trypanosomiasis. In Neglected Diseases and Conditions of the Nervous System (Editors: Bentivoglio M., Cavaleiro E. A., Kristensson K., and Patel N.), Elsevier, Pages 183-200.

Kristensson K., Masocha W., Bentivoglio M., (2013) Mechanisms of CNS invasion and damage by parasites. In Handbook of Clinical Neurology, Vol. 114 (3rd series) Neuroparasitology and Tropical Neurology (Editors: Garcia H.H., Tanowitz H.B., and Del Brutto O.H.), Elsevier, Pages 11-22

MG Qaddoumi, KV Ananthalakshmi, OA Phillips, IO Edafigho, and SB Kombian. Evaluation of anticonvulsant actions of dibromophenyl enaminones using in vitro and in vivo seizure models. PLoS One, 19:9(6) (2014).

IO Edafigho, MG Qaddoumi, KV Ananthalakshmi, OA Phillips, and SB Kombian. Synthesis, neuronal activity and mechanisms of action of halogenated enaminones. Eur J Med Chem, 76:20-30 (2014).

Book chapter: "MICRORNA IN BREAST CANCER – GENE REGULATORS AND TARGETS FOR NOVEL THERAPIES " book "Breast Cancer", ISBN 978-953-51-4177

Qabazard B, Li L, Gruber J, Peh MT, Ng LF, Kumar SD, Rose P, Tan CH, Dymock BW, Wei F, Swain SC, Halliwell B, Stürzenbaum SR, Moore PK. Hydrogen sulfide is an endogenous regulator of aging in Caenorhabditis elegans. Antioxid Redox Signal. 2014 Jun 1;20(16):2621-30.

Qabazard B, Ahmed S, Li L, Arlt VM, Moore PK, et al. (2013) C. elegans Aging Is Modulated by Hydrogen Sulfide and the sulfhydrylase/cysteine Synthase cysl-2. PLoS ONE 8(11): e80135.

DEPARTMENT OF PHARMACEUTICS

Published Research articles:

Etman, M., Farid, R., Nada, A.H., Ebian, A., Formulation and In Vitro Evaluation of Salbutamol Sulphate In Situ Gelling Nasal Inserts, AAPS PharmSciTech, 14, 713-718 (2013). PubMed.

Nada, A.H., Zaghloul, A.A., Hedaya, M.A., Khattab, I.S., Development of Novel Formulations to Enhance in vivo Transdermal Permeation of Tocopherol, Acta Pharmaceutica, 64, 299-309 (2014). PubMed.

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.

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Published Books:

Hedaya M.A, and Tolman J "Routes of Drug Administration" in "Pharmaceutics: Basic Principles and Application to Pharmacy Practice" (2013) Dash A, Singh S, and Tolman J (Eds). Academic Press, (333-348).

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**Published Research articles:**

Khaja M, Al Mohri I, Merlin P and Luqmani YA(2013). Extracellular alkaline pH leads to increased metastatic potential of estrogen receptor silenced endocrine resistant breast cancer cells. PLoS ONE 8(10): e76327. doi:10.1371/journal.pone.0076327.

OA Phillips, EE Udo, ME Abdel-Hamid, R Varghese (2013) . Synthesis and antibacterial activities of N-substituted glyciny 1H-1,2,3-triazolyl oxazolidinones. Eur. J. Med. Chem. 66, 246-257 (2013).

Galba J., Veizerova L., Piestansky J., Mego M., Novotny L., Dokupilova S., Marakova K., Havranek E., Mikus P.: HPLC-ESI-QTOF method for identification and determination of bleomycin A2 and B2 fractions. J. Liq. Chromatogr. & Related Technol., 2014, accepted for publication, online 02 Jun 2014. (<http://www.tandfonline.com/doi/pdf/10.1080/10826076.2014.908783>)

Qaddoumi MG, Ananthalakshmi KVV, Phillips OA, Edafiogho IO, Kombian SB (2014). Evaluation of anticonvulsant actions of dibromophenyl enaminones using in vitro and in vivo seizure models. PLOS ONE 9(6): e99770. doi:10.1371/journal.pone.0099770

Edafiogho IO, Qaddoumi MG, Ananthalakshmi KVV, Phillips OA, Kombian SB (2014). Synthesis, neuronal activity and mechanisms of action of halogenated enaminones. Eur J Med Chem 76:20-30.

Khaled Y. Orabi, Farouk S. El-Feraly, Waleed A. Al-Sulmy, Mohammed A. Al-Yahya, "Biotransformation of Vulgarin", Mini-Reviews in Medicinal Chemistry, 13, 777-782 (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 penitrems as breast cancer proliferation, migration, and invasion inhibitors", MedChemComm, 4, 1360-1369 (2013).

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).

Al Hasawi, N (2013). Inhibition of expression of polysialic acid in Kelly neuroblastoma cell line by non-polar. European Voice of Gynaecological Oncology

Al-Tannak N.F. (2014) An LC-MS Method for Evaluating Photostability of Naloxone Hydrochloride I.V. Infusion. J.Chem.Chem.Enj. 8(2014): 524-529.

Review articles/books:

Abaza M & Luqmani YA. (2013). The influence of pH and hypoxia on tumor metastasis. *Expert Rev Anticancer Ther* 13(10), 1229-1242.

Bukhamseen F., Novotny L.: Artificial sweeteners and sugar substitutes – some properties and potential health benefits and risks. *Res. J. Pharm., Biol. & Chem. Sci.*, 2014, 638-649.

Novotny L., Kombian S.B.: Vanadium: Possible use in cancer chemoprevention and therapy. *J. Cancer Res. Updates* 3, 2014, 97-102.

DEPARTMENT OF PHARMACY PRACTICE

Awad A, Al-Shaye D (2014). Public awareness, patterns of use and attitudes toward natural health products in kuwait: a cross-sectional survey. *BMC Complement Altern Med* 14(1):105.

Matar KM, Awad AI, Elamin SB (2014). Pharmacokinetics of Artesunate Alone and in Combination with Sulfadoxine/Pyrimethamine in Healthy Sudanese Volunteers. *Am J Trop Med Hyg* 90(6):1087-93.

Alsaleh FM, Smith FJ, Thompson R, Al-Saleh MA, Taylor KM (2014). Insulin pump therapy: impact on the lives of children/young people with diabetes mellitus and their parents. *International Journal of clinical Pharmacy*, 36(5): 1023-30.

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Al-Taweel DM, Awad AI, Johnson BJ (2013). Pharmacists' contributions to the delivery of pharmaceutical care to patients with type 2 diabetes in Kuwait. *Int J Diabetes Dev Ctries* 34(2): 108-15.

Alghanem S, Paterson I, Touw DJ, Thomson AH (2013). Influence of Multiple Courses of Therapy on Aminoglycoside Clearance in Adult Patients with Cystic Fibrosis. *J Antimicrob Chemother* 68: 1338-47.