



Kingdom of Saudi Arabia
Ministry of Higher Education
King Faisal University
College of Clinical Pharmacy



1st Scientific d

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Research Activity during 20

Date : 28-11-20

Wednesday



VISION OF THE COLLEGE

"To be recognized nationally and internationally for preparing role models in Pharmacy practice, education and research, through commitment to community engagement".

MISSION OF THE COLLEGE

"To excel in pharmacy education, patient centered care, community engagement and research"

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First Scientific Day : 28th November 2012

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King Faisal University

College of Clinical Pharmacy

First Scientific Day : 28th November 2012

List of Posters : 2012

Sl.No	Name of the presenter	Title of the presentation
1	Dr. Bandar E. Al-Dhubiab	Skin permeation and dermatokinetics of ciclopirox olamine
2	Dr. Sree Harsha N	Therapeutic drug monitoring of carbamazepine by reverse iontophoresis
3	Dr. Mahesh Attimarad	Simultaneous determination of moxifloxacin and cefixime by first and ratio first derivative ultraviolet spectrophotometry
4	Dr. Mueen Ahmed KK	Antiangiogenic activities of cinnamon, black and green tea extracts on experimentally induced breast cancer in rats
5	Dr. Noor Kamil	Hepatoprotective effect of calotropis procera in anti-tb drugs induced hepatotoxicity in animal model
6	Dr. Promis Emeka	Antimicrobial activity of <i>nigella sativa</i> linn. Seed oil against multi-drug resistant <i>staphylococcus aureus</i> isolated from diabetic wounds
7	Dr. Promis Emeka	An evaluation of the role of community pharmacy in the irrational use and purchase of nonprescription antibiotics in al ahsa
8	Dr. Mohammed Morsy	Protective effects of curcumin against indomethacin-induced gastric ulcer in rats: role of inos, nf- κ b, and caspase 3
9	Dr. Mohammed Morsy	Dimethyl dimethoxy biphenyl dicarboxylate (DDB) attenuates hepatic and metabolic alterations in high fructose-fed rats

Sl.No	Name of the presenter	Title of the presentation
10	Dr. Anroop B. Nair	<i>In vitro</i> and <i>in vivo</i> evaluation of a novel carrier for calcium delivery
11	Dr. Raed Khashan	Development of scoring functions for protein-ligand binding based on frequent geometric and chemical patterns of inter-atomic interactions at their interfaces
12	Dr. Mohammed A. Khedr	Design and Synthesis of Novel Dipeptidyl Peptidase IV Inhibitors for the Treatment of Type-2 Diabetes Mellitus
13	Dr. Tamer Shehata	The enhancement of transdermal permeability of water soluble drug by niosome-emulgel combination
14	Dr. Azza A. Hassan	Formulation and evaluation of dorzolamide hydrochloride-loaded nanoparticles as controlled release drug delivery system
15	Dr. Arshia Shariff	Statistical investigation of patient factor in development of antibiotic resistance - a study in eastern province of Saudi Arabia
16	Dr. Nashwa Zaher	Novel Thiophenes, Thienopyrimidines and Triazolothienopyrimidines For Evaluation of Anticancer and Augmentation Effect of γ -Radiation
17	Dr. Omer M. Mohafez	Early Effects of Diethylnitrosamine Contributes to Hepatocarcinogenesis
18	Dr. Shahzad Khan	Paraquat induced toxicity in adrenals in albino mice
19	Dr. Asia Taha	Effects of <i>Trigonella foenum graecum</i> and Sodium Orthovanadate on Metabolic Parameters in Experimental Diabetes
20	Dr. Taghreed S. Almahdi	Molecular characterization of mrsa isolated over a two-year period in a Qatar hospital
21	Dr. Tahir M. Khan	A Study Investigating The Level Of Satisfaction With The Health Services Provided By The Pharmacist At ENT Hospital, Eastern Region Al-Ahsah, KSA

Sl.No	Name of the presenter	Title of the presentation
22	Dr. Tahir M. Khan	Incidence Rates of Breast Cancer Among Saudi Women in Alahsa, Eastern Region, Saudi Arabia
23	Dr.Kazeem B. Yusuff	Perceived medication use challenges and coping strategies among medical outpatients in Nigeria
24	Dr. Saira Azhar	Evaluating perception of doctors towards the role of pharmacists in pakistan's healthcare system
25	Dr. Yasir A. Ibrahim	Development of a pharmacist led intervention program for enhancing disease related knowledge, treatment adherence and health-related quality of life among hypertensive patients
26	Dr. Yasir A. Ibrahim	Intravenous Zanamivir in The Treatment of Novel Influenza H1N1 Report Of The First Case In The Gulf

**TITLES OF THE 14TH DSR RESEARCH PROJECTS SUBMITTED THIS YEAR
(2012)**

DEPARTMENT OF PHARMACEUTICAL SCIENCES

Sl. No	Name Of the Faculty (PI)	Title of the 14th DSR Projects 2012
1	Dr. Nashwa Zaher	Design, Synthesis, SAR and Anti-breast Cancer Potential of New Thymoquinone Analogs as PPAR γ Ligands
2	Dr. Noor Kamil	Protective effects of naringenin and curcumin on gentamicin induced nephrotoxicity
3	Dr. Sree harsha	Preparation and Evaluation of Spraydried Oral Mucoadhesive Noveon Aa-1 Polycarbophil Nanoparticles Containing Anti-Diabetic Drug
4	Dr. Mohamed A. Morsy	Therapeutic effect of piperine on acetaminophen-induced hepatotoxicity in mice
5	Dr. Emeka Promise	Evaluation of lutein protective effects against Vancomycin induced acute renal injury
6	Dr. Anroop Nair	Development of a novel non invasive technique for therapeutic drug monitoring in epilepsy patients
7	Dr. Bandar E. Al-Dhubiab	Formulation and evaluation of buccal films impregnated with selegiline loaded nanospheres
8	Dr. Mahesh Attimarad	Development and validation of Stability indicating Chromatographic method for simultaneous determination of Simvastatin and sitagliptin
9	Dr. Mueen Ahmed	Liquid Chromatographic method development for simultaneous estimation of gliptins in biological samples and its application to Pharmacokinetic studies.
10	Dr. Tamer Shehata	Evaluation of Iontophoresis effect on Niosome –Emulgel Combination as a Novel Transdermal Drug Delivery System
11	Mohammed Abdou Khedr	Design and Synthesis of Novel Dipeptidyl Peptidase IV Inhibitors for the Treatment of Type-2 Diabetes Mellitus
12	Dr. Raed Khashan	Advancing Molecular Dynamics Simulation: Development, and Validation.

Sl. No	Name Of the Faculty (PI)	Title of the 14 th DSR Projects 2012
13	Dr. Azza Ali Hasan	Development of Novel Levofloxacin Loaded Nanoparticles (Niosomes) with Macrophage Targeted Properties as a Parenteral Drug Delivery System.
14	Dr. Arshia Shariff	Self-Emulsifying Drug Delivey systems(SEDDS) for oral delivery of lipophilic antimuscarinic Drugs.

DEPARTMENT OF BIOMEDICAL SCIENCE

Sl. No	Name Of the Faculty (PI)	Title of the 14 th DSR Projects 2012
1	Dr. Sherif W. Mansour	Modulatory effects of Turmeric & Nigella Sativa on experimentally induced gastric ulcer in rats
2	Dr. Taghrid El-Mahdy	Molecular Characterization of Resistance Mechanisms to Beta-Lactams in Clinical Isolates of Enterobacteriaceae andPseudomonas aeruginosa from Hospitals in Saudi Arabia
3	Dr. Omar M. Mohafez	The potential role of curcumin in activation of autophagy and avoiding apoptosis in a model of type 2 diabetes)

DEPARTMENT OF PHARMACY PRACTICE

Sl. No	Name Of the Faculty (PI)	Title of the 14 th DSR Projects 2012
1	Dr. Kazeem B. Yusuff	Anti-Hypertensive medication use and adherence to treatment guidelines in a tertiary care centre in Al-Ahsa, Saudi Arabia: A cross sectional study
2	Dr. Tahir M Khan	House Hold survey to Investigating the drug wastage and nonprescription use with main emphasis to identify Potential Drug Events in Rural and Urban Region Al-Ahsa Saudi Arabia.
3	Dr. Yassir Ibrahim	Development of a pharmacist led intervention program for enhancing disease related knowledge, treatment adherence and health-related quality of life among hypertensive patients

KACST PROJECTS SUBMITTED THIS YEAR (2012)

Sl. No	Name Of the Faculty (PI)	Title of the KACST Projects
1	Dr. Sree Harsha	Development of topical treatment for cutaneous leishmaniasis from fruit of DatePalm (Phoenix dactylifera).
2	Dr. Sree Harsha	Development of anticancer activity of Nanoparticle enhanced compounds of taxol.
3	Dr. Mohamed A. Morsy	Interaction of Anti-cancer Drugs with Hepatic and Renal Transporter Proteins.
4	Dr. Asia Taha	Anti-Diabetic Potential of Trigonella foenum graecum and Sodium Orthovanadate on High Fat Fed (Type 2) Diabetic Animals.
5.	Dr. Anroop B. Nair	Ungual and transungual delivery of antimycotic agents by constant low voltage iontophoresis for treating onychomycosis: A non-invasive approach
6	Dr. Raed Khashan	Establishing a Distributed Computing Center

LIST OF PUBLICATIONS DURING 2012

Department of Pharmaceutical Sciences

1. Mohammad T. Elnakish, Fatemat Hassan, Duaa Dakhlallah, Clay B. Marsh, **Ibrahim A. Alhaider**, and Mahmood Khan Mesenchymal, Stem Cells for Cardiac Regeneration: Translation to Bedside Reality, Stem cell International, Accepted, 2012.
2. Mahesh V Attimarad, Bander E Al-Dhubiab, **Ibrahim A Alhaider**, Anroop B Nair and Sree Harsha N, Mueen Ahmed K, Simultaneous determination of moxifloxacin and cefixime by first and ratio first derivative ultraviolet spectrophotometry, Chemistry Central Journal, 6, 105, Accepted, 2012.
3. Munder Zagaar, **Ibrahim Alhaider**, An Dao, Amber Levine, Ahmed Alkarawi, Mariam Alzubaidy, Karim Alkadhi, The beneficial effects of regular exercise on cognition in REM sleep deprivation: Behavioral, electrophysiological and molecular evidence, Neurobiology of Disease (2012); 45;1153–1162.
4. **Bandar E Aldhubai**, Pharmaceutical applications and phytochemical profile of *Cinnamomum burmannii*, Pharmacognosy Review, 2012; vol 6(12) Page 125 - 131
5. **Bandar E Aldhubai**, Evaluation of Olive Oil Ester-Buffer System for the Development of Piroxicam Micro-Emulsion. Accepted 2012, King Faisal University Journal, Saudi Arabia
6. **Bandar E Aldhubaib**, Development and Evaluation of Fast Dissolving Tablets of Glimepiride. Zagazig Journal of Pharmaceutical Sciences, Egypt- Accepted for publication 2012
7. **Harsha, S.**, “Dual drug delivery system for targeting H. pylori in the stomach: preparation and in vitro characterization of amoxicillin-loaded Carbopol®

nanospheres. International Journal of Nanomedicine”, 2012. 7(1), 4787 - 4796.

(Impact Factor 3.14)

8. **Sree harsha**, Mahesh Attimarad, Tanveer A. Khan, Anroop B. Nair, Bandar E. Al-Dhubiab, Sighatullah Sangi and Arshia Shariff, Design and formulation of mucoadhesive microspheres of sitagliptin, Journal of Microencapsulation, 2012 (Accepted and in press) (Impact factor 1.5).
9. Mahesh Attimarad, **Sree Harsha N**, Ramachandra Setty S, Simultaneous Determination Of Ofloxacin And Flavoxate Hydrochloride In Human Plasma By RP HPLC, *Journal of Liquid Chromatography and Related technologies* 2012, 35:6 (In press) (DOI: 10.1080/10826076.2011.608234) (2011 Impact factor 0.953).
10. Fouad AA, Al-Mulhim AS, Jresat I, **Morsy MA**. Protective effects of captopril in diabetic rats exposed to ischemia/reperfusion renal injury. J Pharm Pharmacol. 2012 (in press).
11. El-Sheikh AK, **Morsy MA**, Mahmoud MM, Rifaai RA, Abdelrahman AM. Effect of coenzyme-Q10 on doxorubicin-induced nephrotoxicity in rats. Adv Pharmacol Sci. 2012 (in press).
12. Ibrahim MA, **Morsy MA**, Hafez HM, Gomaa WM, Abdelrahman AM. Effect of selective and non-selective cyclooxygenase inhibitors on doxorubicin-induced cardiotoxicity and nephrotoxicity in rats. Toxicol Mech Methods. 2012 Jul;22(6):424-31.
13. **Morsy MA**, Heeba GH, Abdelwahab SA, Rofaeil RR. Protective effects of nebivolol against cold restraint stress-induced gastric ulcer in rats: role of NO, HO-1, and COX-1,2. Nitric Oxide. 2012 Jun 8;27(2):117-122.
14. **Morsy MA**, Abdalla AM, Mahmoud AM, Abdelwahab SA, Mahmoud ME. Protective effects of curcumin, α -lipoic acid, and N-acetylcysteine against carbon tetrachloride-induced liver fibrosis in rats. J Physiol Biochem. 2012 Mar;68(1):29-35.

15. El-Moselhy MA, **Morsy MA**, Abdel-latif RG, Khalifa MA. Enhanced Nitric Oxide Synthase-Nitric Oxide (NOS-NO) signaling underlies sildenafil amelioration of cyclosporine-induced nephrotoxicity in rats. *FASEB J.* March 29, 2012 26:1051.13.
16. **Anroop B**, Vaka SRK, Gupta S, Repka MA, Murthy SN. *In vitro* and *In vivo* evaluation of a hydrogel based prototype transdermal patch system of alfuzosin hydrochloride. *Pharm. Tech. Dev.* 17, 158-163, 2012.
17. Loretta O. Iniaghe, **Promise M. Emeka**, Henrietta Ogbunugafor. 2012. Effects of Co-Administration Of Ascorbic Acid On Sulphadoxine/Pyrimethamine In Mice Infected With *Plasmodium Berghei*. *West Afr. Journal of Pharm.* [accepted and in press].
18. **Promise Madu Emeka**, Mokhtar Jawad Al-Omar & Tahir Mehmood Khan. 2012. A Qualitative Study Exploring Role of Community Pharmacy in the Irrational Use and Purchase of Nonprescription Antibiotics in Al Ahsa. [In Press] *European Journal of General Medicine*.
19. **Emeka PM**. Badger-Emeka LI. Fateru O. In-vitro Antimicrobial activities of *Acalypha ornata* Leaf Extracts on Bacterial and Fungal Clinical Isolates. *Journal of Herbal Medicine* [Accepted and In press].
20. Ahmed O. Alnajjar, Abubakr M. Idris, **Mahesh V. Attimarad**, Adnan M. Aldughaish and Rafea E.E. Elgorashe, Capillary Electrophoresis Assay Method for Metoprolol and Hydrochlorothiazide in their Combined Dosage Form with Multivariate Optimization, *Journal of Chromatographic Science*, 2012;00:1–6. (2011 Impact factor 1.07).
21. **M. Attimarad**. Simultaneous Determination of Ofloxacin and Flavoxate Hydrochloride by First and Ratio First Derivative UV Spectrophotometry, *Journal of the Iranian Chemical Society*, 2012, 9:551–557 (2011 Impact factor 1.65).

22. **Azza A. Hasan**; "Formulation and evaluation of dorzolamide hydrochloride-loaded nanoparticles as controlled release drug delivery system", *Asian Journal of Pharmaceutics*, 6 (2012) 67-73.
23. Mahmoud M. Ibrahim and **Tamer M. Shehata** The Enhancement of Transdermal permeability and anti-inflammatory effect of Ketorolac Tromethamine formulated as novel niosome emulgel combination.. *J. DRUG DEL. SCI. TECH.*, 22 (4) 353-359 2012
24. **Raed Khashan**, Weifan Zheng, and Alexander Tropsha. Scoring Protein Interaction Decoys using Exposed Residues (SPIDER): A Novel Multi-Body Interaction Scoring Function based on Frequent Geometric Patterns of Interfacial Residues. *Proteins: Structure, Function, and Bioinformatics*, Volume 80, Issue 9, Pages 2207-2217, August 2012.
25. **Raed Khashan***. FragVLib - A Free Program for Generating "Fragment-based Virtual Library" Using Pocket Similarity Search of Ligand-Receptor Complexes. *Journal of Cheminformatics*, Volume 4, Issue 1, Page 18, 2012 August 21.
26. Fehri B, Aiache J, **Mueen Ahmed KK**. Active spermatogenesis induced by a reiterated administration of *Globularia alypum* L. aqueous leaf extract. *Phcog Res* 2012;4:138-47
27. **Mueen Ahmed KK**, Gupta BM. India's contribution on antioxidants: a bibliometric analysis, 2001–10. *Scientometrics* [Internet]. 2012 Mar 18 [cited 2012 Mar 18]; [Online first]
28. **Mueen Ahmed KK**. Assessing citations with Google Scholar: A new feature. *J Pharmacol Pharmacother* 2012;3:75-6

Department of Biomedical sciences

1. PardeepKumar, **Asia Taha**, R.K. Kale, P.McLean and Najma Zaheer Baquer "Beneficial effects of Trigonella foenum graecum and sodium orthovanadate on metabolic parameters in experimental diabetes." Cell Biochemistry & Function, accepted Feb 06, 2012 (in print).
2. Rubab Satti, Farah Mustafa, Muhammad Imran Khan, Tahmina Sultana Haq, Ziad Umar Khan, Muhammad Zubair, **Sahibzada Taslim Rasool**, Maleeha Azam, Muhammad Ajmal and Raheel Qamar, Prevalence of Hepatitis C Virus in Urban Ghettos of Twin Cities, Pakistan J. Zool., vol. 44(4), pp. 937-943, 2012.
3. Afzal H. Asif , **Sahibzada T. Rasool** and Tahir M Khan, Pyridoxal Phosphate a Possible Intervention to Prevent Aminoglycoside Induced Electrolyte Imbalance, J Clinic Res. Bioeth 2012, 3:1
4. Sibghatullah Sangi , Sree Harsha, Sahibzada **Tasleem-ur-Rasool**, Afzal Haq Asif Formulation and evaluation of mucoadhesive Nigalla Sativa and Olive oils for vaginal infection, Der Pharmacia Letter, 2011, 3(2):39-46.

Department of Pharmacy Practice

1. **Afzal H. Asif** , Sahibzada T. Rasool and Tahir M Khan: Pyridoxal Phosphate a Possible Intervention to Prevent Aminoglycoside Induced Electrolyte Imbalance. J Clinic Res Bioeth 2012, 3:1 <http://dx.doi.org/10.4172/2155-9627.1000124>
2. **S. Azhar** Hassali MA, Ghulam Murtaza, Hussain Izhar Current Clinical Practices in Pakistan and Hospital Pharmacist's Perception towards Their Role: A Qualitative Approach, Latin American Journal of Pharmacy 31 (2): 368-73 (2012)
3. G. Murtaza, **S. Azhar**, S. Noreen, S. A. Khan, A. Khan, B. Nasir, A. Mumtaz, M. Zaman And M.S.U. Rehman. An evaluation of Pakistani pharmacy students' knowledge of herbal medicines in Pakistan. African Journal of Pharmacy and Pharmacology Vol. 6(3), pp. 221-224. January, 2012 (**Impact Factor 0.667**)
4. Ghulam Murtaza, **Saira Azhar**, Ayisha Khalid, Bushra Nasir, Muhammad Ubaid, Muhammad Khurran Shahzad, Fatima Saqib, Iftikhar Afzal, Sobia Noreen, Muhammad Tariq, Tahir Ali Chohan and Abdul Malik. Development of *in vitro-in vivo* correlation for pharmacokinetic simulation. African Journal of Pharmacy and Pharmacology Vol. 6(4), pp. 257-263, 29 January, 2012 (**Impact Factor 0.667**)
5. Majeed ullah, Ghulam Murtaza, **Saira Azhar** Izhar Hussain Study of Drug Release Retardant Capability of Hydroxypropylmethylcellulose and Carbopol in Matrix Tablets Latin American Journal of Pharmacy 31 (1): 78-83 2012 (**Impact Factor 0.308**)
6. Tahir M Khan, Chohan M Shahzad, Mueen KK Ahmed and **Saira Azhar** Attitudes of Emergency Department Staff towards the Role of Clinical Pharmacists in a Region of Saudi Arabia - A Pilot Study Tropical Journal of Pharmaceutical Research June 2012; 13 (3): 477-483 (**Impact Factor 0.538**)

7. **Saira Azhar**, M.A. Hassali, S. Maira Faizullah, Rabeeha. Khan, Arooj Sahir, Izhar Hussain, “A Qualitative Study Evaluating Perceptions of Nurses Towards the Role of Pharmacist in Pakistan”, Value in Health, 15(4), A206, 2012 (**Impact Factor 2.342**)
8. **Saira Azhar**, Muhammad Shoaib Akram, Pariwash Qureshi, M. Muddassir Khan, Bibi Saima Zeb, Izhar Hussain, “Evaluating The Prevalence Associated With Smoking Behavior Among University Students In Pakistan”, Value in Health , 15(4), A60,2012 (**Impact Factor 2.342**)
9. **Saira Azhar**, Hassali M. Azmi, Hussain Izhar, “Evaluating The Perception Of General Public Towards The Role Of Pharmacist In Health Care System Of Pakistan”, Value in Health , 15(4), A199,2012 (**Impact Factor 2.342**)
10. **Saira Azhar**, Arooj Sahir, Rabeeha Khan, Maira Faizullah Shah, Izhar Hussain, “Evaluating The Incidence Of Side Effects In Newly Diagnosed Tuberculosis Patients Of Khyber Pakhtoon Khuwa”, Value in Health , 15(4), A51, 2012. (**Impact Factor 2.342**)
11. Asad, MT Razi, G Murtaza, **S Azhar**, SA Khan¹, QNU Saqib and I. Hussain Antihaemorrhagic Potential of Citrullus colocynthis Schrad (Cucurbitaceae) against Naja naja karachiensis (Black Pakistan Cobra) Venom Journal of Medicinal Plants Research Vol. 6(18), pp.3455-3458, 16 May, 2012.
12. Muhammad Hassali, Asrul Shaffie, Zaheer uddin Babar , **Tahir M Khan**. (2012) A Study Comparing The Retail Drug Prices Between Northern Malaysia And Australia. Journal of Pharmaceutical Health Services and Research 3;(2):103-107.
13. Azmi Mohammed Hassali, Ramadan ElKelmi, Asrul Akmanl Shafe & **Tahir Mehmood Khan**. (2012) A Study Evaluating the Advertising Contents for Dietary Supplements in Malaysian Women’s Magazines Drug Information Journal. DOI 0092861512457777.

14. **Tahir Mehmood Khan** & Saira Azhar. (2012) A Study Investigating the Community Pharmacist Knowledge About the Appropriate use of Inhaler, Eastern Region Alahsa, Saudi Arabia available online:10-SEP.DOI information: 10.1016/j.jsps.2012.07.004 Saudi Pharmaceutical Journal.
15. **Tahir .M. Khan** & Manssor Alturkey. A Study Investigating The Level Of Satisfaction With The Health Services Provided By The Pharmacist At ENT Hospital, Eastern Region Alahsah, Kingdom Of Saudi Arabia. Saudi Pharmaceutical Journal, Available online 20 September 2012, DOI:10.1016/j.jsps.2012.09.001.
16. **Tahir M Khan** & Yasir Ibrahim (2012) A Qualitative Exploring The Non-Prescription Sale And Incidence of Adverse Event In Community Pharmacy Setting, Eastern Region, Kingdom of Saudi Arabia. Eur J Hosp Pharm doi:10.1136/ejhpharm-2012-000161.
17. **Tahir M Khan** (2012) Deficiencies in clinical pharmacy curricula in developing Asian nations. Eur J Hosp Pharm doi:10.1136/ejhpharm-2012-000124.
18. **Yusuff KB**. Perceived medications use challenges and self-initiated coping strategies used by medical outpatients. International Journal of Clinical Pharmacy.2012 Accepted.

