

1- Research and Laboratories Committee

Ref: KFU/COCP/annual report

Dated: 15/5/2014

Annual Report: Activities and Achievements of Research and Laboratory Committee during academic year 2013-2014.

1- Meetings:

The Research and Laboratories Committee held several meetings to finalize the specifications of the laboratory equipment required for the new building and to prepare the list of chemicals required for teaching labs and student research. The Research and Laboratories Committee also encourage and facilitate the faculty to apply for DSR, KACST and other research grants.

In addition to KASCT and students grants, several DSR grants were accepted by KFU. Details are listed below. During the current academic year, the COCP faculty published several original research papers in high impact journals.

2- Tender

During the academic year 2013-1014, the College of Clinical Pharmacy has submitted the list and specifications of the equipment required for the new building to the procurement office of the King Faisal University. Tenders were called and 32 companies have submitted quotations. Dean of COCP formed a committee to review the quotations/specifications and recommend.

No	Committee members	Role
1	Dr. Ibrahim Al haider	Dean and Head of committee
2	Dr. Bandar Al Dabib	Vice dean and member
3	Dr. Sabah Akrawi	Member
4	Dr. Yaser Ibrahim	Member
5	Dr. Taslim Rasool	Member
6	Dr. Omar Mohafez	Member
7	Dr. Mohamed Morsy	Member
8	Dr. Mahesh Attimarad	Member

9	Dr. Maged El Sayed	Member
10	Dr. Tamer Shehata	Member
11	Mr. Tamem El Yahian	Member

The committee is actively reviewing/investigating the equipment and final decisions will be submitted to the University.

The Chair of the committee: Dr. Tamer Shehata

No.	Title	Authors	Journal, Publication date
1.	Qsar-Based Virtual Screening For Computational Prediction Of West Nile Virus Ns3 Protease Inhibitors,	Mohammed Abdou Khedr	<i>Pharmacophore</i> 2014, Vol. 5 (1), 49-57
2.	Design and <i>in vitro</i> characterization of small unilamellar liposomes as ophthalmic carrier of dorzolamide hydrochloride	Azza A. Hasan	Pharmaceutical Development and Technology, September 2014, Vol. 19, No. 6 : Pages 748-754
3.	Production of prostaglandins in transgenic <i>Arabidopsis thaliana</i>	Maged E. Mohamed, Colin M. Lazarus	Photochemistry, early online, 2014
4.	The Development of Novel Chemical Fragment-Based Descriptors Using Frequent Common Subgraph Mining Approach and Their Application in QSAR Modeling	Raed Khashan, Weifan Zheng, Alexander Tropsha	Molecular Informatics Volume 33, Issue 3, pages 201–215, March 2014
5.	Global research output on date palm (<i>Phoenix dactylifera</i>): a 12 years scientometric perspective	Alhaider, Ibrahim; Ahmed, Mueen	Scientometrics, Volume 98, Number 1,

No.	Title	Authors	Journal, Publication date
			January 2014 , pp. 157-171(15).
6.	Plant germination and production of callus from the yellow hornpoppy (<i>Glaucium flavum</i>): the first stage of micropropagation	Maged E. Mohamed, Asmaa M. Arafa, Saeed Soliman and Sameeh I. Eldahmy	Die pharmazie 69: 1–6, 2014
7.	Dietary supplementation of chloroquine with nigella sativa seed and oil extracts in the treatment of malaria induced in mice with plasmodium berghei.	Emeka PM, Badger-Emeka LI, Eneh CM, Khan TM.	Phcog Mag 2014; 10:357-62.
8.	Public attitude and justification to purchase antibiotics in the Eastern region Al Ahsa of Saudi Arabia.	Emeka, P.M. et al.,	Saudi Pharmaceutical Journal (2014), http://dx.doi.org/10.1016/j.jsps.2014.02.014 .
9.	Comparative Molecular Modeling Study between the Pre-Fusion and Post-Fusion conformations of Newcastle Disease Virus: Homology Modeling, And Virtual Screening,	Dr. Mohammed Abdou	Pharmacophore, Vol.5, Issue-1; January-February 2014.
10.	Pharmacokinetics and tissue distribution of spray-dried carboplatin microspheres: lung targeting via intravenous route.	Harsha S, Al-Khars M, Al-Hassan M, Kumar NP, Nair AB, Attimarad M, Al-Dhubiab BE.	Arch Pharm Res. 2014 Mar;37(3):352-60
11.	Loratidine buccal films for allergic rhinitis: development and evaluation..	Kumria R, Anroop B, Al-Dhubiab BE	Loratidine buccal films for allergic rhinitis:

No.	Title	Authors	Journal, Publication date
			development and evaluation..
12.	Diabetes Mellitus and Gastrointestinal Disorders. Research on Diabetes II.	Morsy, M. & Emeka, P.	2014, ISBN: 978-1-922227-478. iConcept Press. Retrieved from http://www.iconceptpress.com/books/research-on-diabetes-ii/
13.	Effects of Edaravone on Scopolamine Induced-dementia in Experimental ?Rats.	Ibrahim Al haider	International J. Pharmacology, 9: 271-276.
14.	Nair, Carbopol 934-P Loaded with Vildagliptin for Diabetic Delivery: In Vitro and In Vivo ?Evaluation of Nanoparticles.	Harsha, N., Bander E Aldhubiab, Ibrahim Alhaider, Mahesh Attimarad and Anroop Nair	Current Nanoscience 9, no. 5 (2013): 642-64.
15.	A conventional HPLC-MS method for the simultaneous determination of Ofloxacin and Cefixime in plasma: Development and validation	Mahesh Attimarad and Ahmed O. Alnajjar	J. Basic Clin Pharma. 2013, 4, 36-41.
16.	Morphological changes of some pathogenic microbial strains induced by novel thiadiazole derivatives	M.G.El-Gazzar, N. H. Zaher,, S.Y.El-Tablawy.	Med. Chem. Res., (Online: 22 sep 2013).
17.	Anti-inflammatory, insecticidal and antimicrobial activities and chemical composition of the essential oils of different plant organs from navel orange	Dalia I. Hamdan, Maged E. Mohamed, Rehab H. Abdulla, Sabah M. Mohamed and Assem M. El-Shazly	J. Medicinal Plants Research 2013, 7(18):1204-1215.

No.	Title	Authors	Journal, Publication date
	(Citrus sinensis (L.) Osbeck var. Malesy) grown in Egypt		
18.	Chemical composition and biological activity of essential oils of Cleopatra mandarin (Citrus reshni) cultivated in Egypt	Dalia I. Hamdan, Maged E. Mohamed, Rehab H. Abdulla and Assem M. El-Shazly	Journal of Pharmacognosy and Phytotherapy 2013, 5(5): 83-90.
19.	Drug Information Activity and Nonprescription Requests Over the Malaysian Counter.	Tahir Mehmood Khan, Promise Emeka and Amer Hayat Khan.	Innovation & Regulatory Science published online 7 January 2013.DOI: 10.1177/21684790 12462214.
20.	Solid Dispersion? Approach for Optimized Bioavailability of Sulpiride	Sherif E. Emam , Fakhr-eldin S. Ghazy, Ahmed S. Zidan, Tamer Shehata	Lat. Am. J. Pharm. 32 (6): 902-10 (2013)
21.	Sub-chronic treatment of calcineurin inhibitor averts impairment of cognitive function in animal model of amnesia	Ibrahim A. Alhaider	African Journal of Pharmacy and Pharmacology, Vol.7(47) , pp. 2998-3003 , December 2013
22.	Evaluation of antibiotic susceptibility of Staphylococcus aureus isolated from nasal and thumbprints of University students and their resistance pattern.	Emeka Lorina. Ineta, Emeka Promise. Madu, Okoli, Chigozie. Linus	. IOSR Journal of Dental and Medical Sciences (IOSR- JDMS)e-ISSN: 2279-0853, p- ISSN: 2279- 0861.Volume 5, Issue 5 (Mar.- Apr. 2013), PP 59-64.

No.	Title	Authors	Journal, Publication date
23.	Protective effects of captopril in diabetic rats exposed to ischemia/reperfusion renal injury	Fouad AA, Al-Mulhim AS, Jresat I, Morsy MA.	J Pharm Pharmacol. 2013 Feb;65(2):243-52. doi: 10.1111/j.2042-7158.2012.01585.x
24.	Mechanisms of the protective effects of curcumin against indomethacin-induced gastric ulcer in rats.	Morsy MA, El-Moselhy MA	Pharmacology. 2013 May 15;91(5-6):267-274. doi: 10.1159/000350190.
25.	Dimethyl dimethoxy biphenyl dicarboxylate attenuates hepatic and metabolic alterations in high fructose-fed rats. Toxicol Ind Health.	Morsy MA, Ibrahim MA, Abd-Elghany MI	Toxicol Ind Health. 2013 Sep 10. doi: 10.1177/0748233713498445.
26.	Synthesis, molecular docking and antibacterial evaluation of various quinoline schiff bases: labeling and biodistribution of ^{99m} Tc-2-(p-hydroxybenzylidene)-1-(quinolin-4-yl) hydrazine.	Reem I. Al-wabli, Mohammed A. Khedr, Adnan A. Kadi, Mohammed A. Motaleb, Khalid A. Al-rashood, Wafaa A. Zaghary, Dr. Mohammed Abdou	Med Chem Res. (Online first) 2014, DOI 10.1007/s00044-014-0977-1
27.	Pharmaceutical suspension containing both immediate/sustained-release amoxicillin-loaded gelatin nanoparticles: preparation and in vitro characterization.	Harsha S.	Drug Des Devel Ther. 2013 Sep 26;7:1027-33.
28.	Skin uptake and clearance of ciclopirox following topical application,	Anroop B, Singh K, Al-Dhubiab BE, Attimarad M, Harsha S, Alhaider IA	, Biopharm. Drug Dispos. 34: 540-549, 2013.

No.	Title	Authors	Journal, Publication date
29.	A comprehensive study to evaluate the effect of constant low voltage iontophoresis on transungual delivery,	Anroop B, Singh K, Shinu P, Harsha S, Al-Dhubiab BE	Drug Dev. Ind. Pharm., 39:807-815, 2013.
30.	Assessment of pharmacokinetic interaction of Spirulina with glitazone in type II diabetes rat model.	Gupta A, Anroop B, Kumria R, Al-Dhubiab BE, Chattopadhyaya I, Gupta S,	J Med Food. 16, 1095-1100, 2013.
31.	Oral buccoadhesive films of ondansetron: Development and evaluation.	Kumria R, Gupta V, Bansal S, Wadhwa J, Anroop B	Int. J. Pharma Investig. 3, 112-118, 2013.
32.	Formulation and In Vitro Evaluation of Gelatin Nanospheres for the Oral Delivery of Selegiline,	Bandar E. Al-Dhubiab	Current nano science 9(1) 21-25, 2013
33.	Understanding Type 1 Diabetes: Etiology and Models,	Satarupa Acharjee, Bijaya Ghosh, Bandar E. Al-Dhubiab, Anroop B. Nair	Canadian Journal of Diabetes, Volume 37, Issue 4 , Pages 269-276, August 2013.

Titles of the Research projects (15th DSR) accepted for 2012-2014

No.	Name Of the Faculty	Title of the 14 th DSR Projects	Budget in SAR
1	Nashwa Hafez	Augmentation effects of novel naringenin analogues and ciprofloxacin as inhibitors for NorA efflux pump (EPIs) and pyruvate kinase (PK) against MRSA	100000
2	Mahesh Attimarad	Simultaneous determination of amlodipine, hydrochlorothiazide and several sartans by Liquid Chromatography and /or Capillary Electrophoresis in formulations and plasma	75400
3	Anroop Nair	Development of transdermal delivery system of vildagliptin and its comparison with oral therapy	82400
4	Arshia Shariff	Formulation and Evaluation of Vildagliptin Dual Drug Release microsphere	54900
5	Bandar Essa Abdullah Aldhubiab	Development of Nano based drug delivery system for the buccal delivery of acyclovir	77400
6	Promise Emeka	Subchronic administration of mitoxantrone and the influence of inducing and inhibiting agents on the induction of cardiotoxicity -A metabolic evaluation in mice.	72400
7	Sree Harsha	Design and Evaluation: Vildagliptin–Metformin Nanoparticle Combination	55900
8	Maged El-Sayed Mohamed	Phytochemical and biological screening of essential oils from some aromatic plant families in the eastern area (Al-Ahsa) of Saudi Arabia	112400
9	Mohammed Abdou Khedr	Design and Synthesis of Novel Phosphonate Containing molecules that could be used in Treatment of cancer	96100

No.	Name Of the Faculty	Title of the 14 th DSR Projects	Budget in SAR
10	Mohamed A. Morsy	Hesperidin ameliorates methotrexate-induced nephrotoxicity in rats	66,400
11	Noor Kamil	Development of transdermal delivery system for combination antiemetic therapy for chemotherapy induced nausea and vomiting in cancer patients	74275
12	Tamer Shehata	In-vivo and In-vitro Evaluation of Atorvastatin Transdermal Patches as Promising Drug Delivery System	58400
13	Venugopala K.N	Design, synthesis and structural elucidation of ethyl 2-((substituted phenyl)amino)-4-(4-fluorophenyl)-6-methyl-1,4-dihydropyrimidine-5-carboxylate molecular scaffolds for multi-drug resistant and extensively drug resistant strains of <i>Mycobacterium tuberculosis</i>	74400
14	Wael Soliman	Design, Synthesis and Biological Evaluation of a Novel Series of Celecoxib Prodrug Possessing Nitric Oxide Donor Moiety	64,400

KACST Projects accepted during 2013-2014

No.	Name Of the Faculty	Title of the KACST Projects	Budget in SAR
1	Asia Taha (Ph.D)	Anti Diabetic Potential of Trigonella foenum graecum and Sodium Orthovanadate on High Fat Fed (Type 2) Diabetic Animals.	563100
2	Mohamed A. Morsy	Interaction of Anti-cancer Drugs with Hepatic and Renal Transporter Proteins	755000
3	Anroop B Nair	Ungual and transungual delivery of antimycotic agents by constant low voltage iontophoresis for treating onychomycosis: A non-invasive approach	659200

Students Grants

#	Authors	Grant Number
1	Dr Nashawa hafez , Banen Al Khateeb, Fatma Abdelaziz, Reem Samir and Sakinah Ala Amer	145035
2	Dr Venu K.N., Anas Alahmed and Montazer Adnan	145032
3	Dr Anroop and Taher Al Hashim	145036
4	Dr Maged Hasan, Dr Mohamed abdelkader and Fahd El Melhim	145038
5	Dr Maged El Sayed and Khalifa Al Rageh	145037
6	Dr. Mahesh Attimarad, Mr. Fahad Al-mulhim and Saleh Alnaim	145019

Biomedical Sciences: Published/Accepted Researches during Sept 2013- till date

No.	Title	Authors	Journal, Publication date
1	Anatomical variation of the origin of the left vertebral artery-A case Report,	Chohan MS and Qurrait-ul-ain,	Global Advanced Research Journal of Medicine and Medical Sciences (ISSN: 2315-5159) Vol. 2(8) pp. 190-192, August, 2013.
2	<i>Naunyn-Schmiedeberg's</i> Tempol ameliorates cardiac fibrosis in streptozotocin-induced diabetic rats: role of oxidative stress in diabetic cardiomyopathy	Taye, Ashraf; Abouzied, Mekky M.; Mohafez, Omar M. M.	<i>Archives of Pharmacology</i> vol. 386 issue 12 December 2013. p. 1071 – 1080.
3	Hepatic somatostatin receptor expression during premalignant stages of hepatocellular carcinoma,	2 N M Abdel-Hamid, O M Mohafez, S Zakaria, K Thabet,	Tumour Biol 2014 Mar 26;35(3):2497-502. Epub 2013 Oct 26.

- 4 *Microbial Contamination of Potable Water in Al Ahsa Region,* Sahibzada T Rasool, Mokhtar Jawad and Abdul Sattar, Pollution Research, December 2014, (accepted).
- 5 Molecular characterization of methicillin-resistant *Staphylococcus aureus* isolated over a two-year period in a Qatari hospital from multinational patients. El-Mahdy, T.S., El-Ahmady, M. and Goering, R.V. *Clin Microbiol Infect.* 2014, 20:169-173

Title of the Research projects(DSR) accepted for 2013-2014

No.	Name Of the Faculty	Title of the DSR	Budget in SAR
1	Ahmed Raga Nour Ibrahim	Evaluation of therapeutic effect of bone marrow-derived stem cells on acetaminophen-induced hepatotoxicity in rats	80,000
2	Omar Mohafez	Evaluation of the effect of Arugula, Lupin and Sage oils on levels of different adipokines in obese rats	99400

Students Grants

Authors	Grant Number
Dr Ahmed Raga and Anas Alahmad	145034
Dr Ahmed Raga and Fahed El Milhim	145033

Pharmacy Practice: Published/Accepted Researches during Sept 2013- till date

No.	Title	Authors	Journal, Publication date
1	Pregabalin safety assessment among patients with uraemic pruritus	Tahir Mehmood Khan, Syed Azhar Syed Sulaiman, Ibrahim Al-Haider, & Abdul Aziz Alhafez	Letter to the Editor Australasian Medical Journal [AMJ 2014, 7, 2, 81-82]
2	Deficiencies in clinical pharmacy curricula in developing Asian nations	Tahir M Khan	Eur J Hosp Pharm 2013;20:64 doi:10.1136/ejhpharm-2012-000124
3	A qualitative exploration of the non-prescription sale of drugs and incidence of adverse events in community pharmacy settings in the Eastern Province of the Kingdom of Saudi Arabia	Tahir M Khan, Yasir Ibrahim	Eur J Hosp Pharm 2013;20:26-31 doi:10.1136/ejhpharm-2012-000161
4	Medical and pharmacy students' knowledge and perceptions about generic medicines in Bangladesh	Mohammad Kawsar Sharif Siam Abbas Khan, Tahir Mehmood Khan	Journal of Pharmaceutical Health Services Research Volume 4, Issue 1, pages 57–61, March 2013
5	Perceived challenges associated with prescribed medications and self-initiated coping	Kazeem Yusuff	International Journal of Clinical Pharmacy. 2013, 35: 65-71

Title of the Research project (DSR) accepted for 2013-2014

No.	Name Of the Faculty	Title of the DSR	Budget in SAR
1	Dr. KazeemYusuff	Effect of concurrent administration of date palm fruit with Lisinopril on serum potassium level in rabbits	62000

Example of Research and Laboratories Committee meeting minutes:



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[Research and Laboratories Committee]



Minutes of Meeting Research and Laboratories Committee

Ref: KFU/COCP/RLC/4th meeting

Dated: 2/01/2014

TO: All Members of the Committee

CC: Secretary to the Dean.

Subject: Minutes of the 1st Meeting

Date & Time: 2nd January, 2014; 12: 30 PM

Venue: Meeting Room, College of Clinical Pharmacy

Present(P) 13 Regrets(R)2 Leave(L) 0 Attendance Level 86%

Agenda:

1. Welcome all the members
2. Equipment list refinement

S.No	Agenda Item & Decisions	Responsibility [Member Name]	Deadline	Status
1.	The chair started the meeting by welcome all the members summarizing what has been done in the last year	Dr.Tamer Shehata		Open/Status
2.	Camel Research center announcement	All staff members		Open/Status

The Chair: Dr. Tamer Shehata

Coordinator: Dr. Mohammed Abdou

Members:

- | | |
|------------------------|---------------------------|
| 1. Dr. Mohamed Morsy | 8. Dr. Sabah Akrawi |
| 2. Dr. Omar Mohafez | 9. Dr. Ahmad Ragaa |
| 3. Dr. Mahesh Attimard | 10. Mr Tameem Alyhian |
| 4. Dr. Anroop Nair | 11. Mr. Abdulaziz Aljhani |
| 5. Dr. Kazem Yousef | |
| 6. Dr. Asia Taha | |
| 7. Dr. Majed Alsayed | |



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[Research and Laboratories Committee]



Attendees	Signature
Dr. Tamer Shehata	<i>Tamer</i>
Dr. Mohammed Abdou	<i>M. Abdou</i>
Dr. Omar Mohafez	<i>Oma</i>
Dr. Mohamed Morsy	<i>M. Morsy</i>
Dr. Sabah Akrawi	<i>Sabah Akrawi</i>
Dr. Mahesh Attimard	<i>Mahesh Attimard</i>
Dr. Anroop Nair	<i>Anroop Nair</i>
Dr. Kazem Yousef	<i>Kazem Yousef</i>
Dr. Majed Alsayed	<i>Majed Alsayed</i>
Dr. Ahmad Ragaa	<i>A. RA</i>
Dr. Asia Taha	
Mr, Tamim Alyahian	<i>Tamim Alyahian</i>
Mr. Abdulaziz Aljhani	
Anas Alahmed (2 nd year)	
Fatimah Alhrehri (4 th year)	

Dean's Approval/comments:

Excellent

Head of Committee: for further action Plan (internal/External) and for record

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Note: Please don't hesitate to contact QAU, if you need any assistance