



COLLEGE OF MEDICINE, SHAQRA

Scientific Research Unit

ANNUAL REPORT 2018-2019

1st September 2018 to 31st August 2019-Academic Year

Special thanks to

Dr. Feras Almarshad

Dean

College of Medicine at Shaqra

Dr. Hytham Alsenaidy

Vice-Dean, Academic Affairs

College of Medicine at Shaqra

Prof. Mohammed Atif

Vice-Dean, Development & Quality

College of Medicine at Shaqra

Prof. Medhat Farag

Head of the Department

Basic Medical Sciences

College of Medicine at Shaqra

Dr. Muath Alammar

Head of the Department

Clinical Sciences

College of Medicine at Shaqra

Dear Respected Colleagues,

Greetings

I am delighted to share this report which captures the key notes and metrics related to research at College of Medicine, Shaqra for the academic year 2018-2019 [1 September 2018 to 31 August 2019].

With support from internal and external collaboration, our faculty members help spur advancements in a variety of areas ranging from drug discovery and newer management in various ailments and it remains incredibly important that society realizes the benefits of our research which will supports the Kingdom vision 2030.

I would like to thank His Excellency University President, Vice-Rectorate for Graduate and Scientific Studies, Deanship of Scientific Research, Dean and Vice-Deans at College of Medicine, faculty members and students for the support and cooperation towards the research unit.

Dr. Aslam Pathan, PhD, MANF
Director, Scientific Research Unit
College of Medicine at Shaqra

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1. Faculty Publications from 1 September 2018 to 31 August 2019:

No	Article Reference and link	Name of the faculty	Month & Year of Publication
1.	Faisal T, Ejaz Ahmed, Aqeel Ahmad. Effect of Radiofrequency Electromagnetic Radiation on the Spinal Cord of Albino Rats: A Neurohistological Study. Saudi J. Med. 2018; 3(11): 620-628. http://scholarsmepub.com/wp-content/uploads/2018/12/SJM-311-620-628-final.pdf	Dr. Faisal Taufiq Dr. Mohammad Ejaz Dr. Aqeel Ahmad	November 2018
2.	Almarshad F, Alaklabi A, Bakhsh E, Pathan A, Almegren M. Use of direct oral anticoagulants in daily practice. Am J Blood Res. 2018 Dec 10; 8(4):57-72. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6334188/	Dr. Feras Almarshad Dr. Aslam Pathan	December 2018
3.	Pathan A, Alshahrani A. Neuroprotective effects of Valeriana wallichii on scopolamine induced learning & memory impairment in rats. Pharmacognosy Journal. 2018; 10(6) Suppl: s38-s41. http://doi.org/10.5530/pj.2018.6s.7	Dr. Aslam Pathan Dr. Abdulrahman Alshahrani	December 2018
4.	Pathan A, Alshahrani AM. Gold Standard of Symptomatic treatment in Parkinson disease: Carbidopa / Levodopa. NeuroPharmac J. 2018; 3(3): 63-68. https://doi.org/10.37881/1.331	Dr. Aslam Pathan Dr. Abdulrahman Alshahrani	December 2018
5.	Pathan A, Alshahrani AM. Possible management of non-motor symptoms of Parkinson's Disease. NeuroPharmac J. 2018; 3(3): 69-76. https://doi.org/10.37881/1.332	Dr. Aslam Pathan Dr. Abdulrahman Alshahrani	December 2018
6.	Anees Ahmed Syed, Abdulrahman Alshahrani, Mohammad Tabish. Synthesis and Biomedical Application of Silver Nanoparticles: A Review. Current Nanomedicine, 2018; 8: 1-8 https://www.eurekaselect.com/164373/article	Dr. Abdulrahman Alshahrani Dr. Mohammad Tabish	December 2018

7.	Mohammad E. Faisal T. Influence of Placental Morphometric Measurements on the Body Mass Index of the Newborn. Sch. Int. J. Anat. Physiol. 2018; 1(4): 119-123. https://saudijournals.com/media/articles/SIJAP-14-119-123-c.pdf	Dr. Faisal Taufiq	December 2018
8.	Mohammad T. Preparation and Evaluation of Hydrogels Containing Methanolic Extract of Brassica Oleracea ver. Italic. Journal of Global Pharma Technology, 2019; 11(01S):140-146. http://www.igpt.co.in/index.php/jgpt/article/view/1968/1726	Dr. Mohammad Tabish	January 2019
9.	Gad, A.A.M., Abdulhalim, BE.H., Lotfy, A. et al. Combined phacoemulsification and viscocanalostomy with Ologen implant versus combined phacoemulsification and viscocanalostomy. BMC Ophthalmol 19, 45 (2019). https://doi.org/10.1186/s12886-019-1049-6	Dr. Bahaa-Eldin Hasan	February 2019
10.	Alrashed AA, Aljammaz KI, Pathan A, Mandili AA, Almatrafi SA, Almotire MH, Bahkali SM. Prevalence and risk factors of gastroesophageal reflux disease among Shaqra University students, Saudi Arabia. J Family Med Prim Care. 2019 Feb;8(2):462-467. DOI: 10.4103/jfmpc.jfmpc_443_18. https://pubmed.ncbi.nlm.nih.gov/30984655/	Dr. Aslam Pathan	February 2019
11.	Alshahrani AM, Pathan A, Alruwais JF, Alduhayshi AM. Knowledge, attitude, and believes of epilepsy in local communities of Saudi Arabia. J Family Med Prim Care. 2019;8(3):1065-1069. DOI:10.4103/jfmpc.jfmpc_425_18 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6482760/	Dr. Abdulrahman Alshahrani Dr. Aslam Pathan	March 2019
12.	Almarshad F. Caplacizumab: First FDA approved therapy in 2019 for the treatment of adult patients with acquired thrombotic thrombocytopenic purpura. NeuroPharmac J. 2019; 4(1): 90-93.	Dr. Feras Almarshad	April 2019

	https://doi.org/10.37881/1.414		
13.	Al-Shabib NA, Khan JM, Malik A, Sen P, Ramireddy S, Chinnappan S, Alamery SF, Husain FM, Ahmad A, Choudhry H, Khan MI, Shahzad SA. Allura red rapidly induces amyloid-like fibril formation in hen egg white lysozyme at physiological pH. <i>Int J Biol Macromol.</i> 2019; 15; 127:297-305. DOI: 10.1016/j.ijbiomac.2019.01.049. https://pubmed.ncbi.nlm.nih.gov/30654033/	Dr. Aqeel Ahmad	April 2019
14.	Pathan A, Almarshad F. Autism Spectrum Disorder: Medications overview. <i>NeuroPharmac J.</i> 2019; 4(1):77-80. https://doi.org/10.37881/1.411	Dr. Aslam Pathan Dr. Feras Almarshad	April 2019
15.	Pathan A, Alshahrani A. FDA approves the first therapy in 2018 for the seizures associated with Dravet syndrome. <i>NeuroPharmac J.</i> 2019; 4(1):81-84. https://doi.org/10.37881/1.412	Dr. Aslam Pathan Dr. Abdulrahman Alshahrani	April 2019
16.	Pathan A. Cannabidiol: FDA approved new drug for the Lennox-Gastaut syndrome and Dravet syndrome: Pharmacotherapeutics review. <i>NeuroPharmac J.</i> 2019; 4(1): 85-89. https://doi.org/10.37881/1.413	Dr. Aslam Pathan	April 2019
17.	Pathan A. Stiripentol: New approved drug for the Dravet syndrome: Pharmacotherapeutics review. <i>NeuroPharmac J.</i> 2019; 4(1): 94-98. https://doi.org/10.37881/1.415	Dr. Aslam Pathan	April 2019
18.	Ahmad A, Khan JM, Haque S. Strategies in the design of endosomolytic agents for facilitating endosomal escape in nanoparticles. <i>Biochimie.</i> 2019 May;160:61-75. doi: 10.1016/j.biochi.2019.02.012. Epub 2019 Feb 21. https://pubmed.ncbi.nlm.nih.gov/30797879/	Dr. Aqeel Ahmad	May 2019
19.	Almarshad F. Short-term monotherapy with Liraglutide for weight management: A case study. <i>J Family Med Prim Care.</i> 2019; 8(5):1804-1806. DOI: 10.4103/jfmpc.jfmpc_213_19	Dr. Feras Almarshad	May 2019

	PMID: 31198765; PMCID: PMC6559087 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6559087/		
20.	Feras M. Almarshad. Comparative study of prothrombin complex concentrate and the combination of Spinacia oleracea L. extract with prothrombin complex concentrate on the reversal of apixaban anticoagulation in a rabbit model. Ann. Phytomed. 2019; 8(1):116-118. http://www.ukaazpublications.com/publications/wp-content/uploads/2019/07/vol8-no1/Feras%20Almarshad%20(116-118).pdf	Dr. Feras Almarshad	June 2019
21.	Mohamed Atif A. Said Ahmed. The protective effect of pomegranate juice on the ultrastructure of the testes in adult rat treated with Bisphenol-A. Ann. Phytomed. 2019; 8(1):101-109. DOI: 10.21276/ap.2019.8.1.12 http://www.ukaazpublications.com/publications/wp-content/uploads/2019/07/vol8-no1/Atif%20(101-109).pdf	Dr. Mohamed Atif	June 2019
22.	Pathan A. Siponimod: A new approved oral drug to treat multiple sclerosis. NeuroPharmac J. 2019; 4(2): 99-100. https://doi.org/10.37881/1.421	Dr. Aslam Pathan	August 2019
23.	Pathan A. Istradefylline: A new add-on drug to treat off episodes in adults with Parkinson's disease. NeuroPharmac J. 2019; 4(2): 101-102. https://doi.org/10.37881/1.422	Dr. Aslam Pathan	August 2019

2. Student Publications from 1 September 2018 to 31 August 2019:

No	Article citation and link	Name of the Student	Month & Year of Publication
1.	Alrashed AA, Aljammaz KI, Pathan A, Mandili AA, Almatrafi SA, Almotire MH, Bahkali SM. Prevalence and risk factors of gastroesophageal reflux disease among Shaqra University students, Saudi Arabia. J Family Med Prim Care. 2019 Feb;8(2):462-467. DOI: 10.4103/jfmpc.jfmpc_443_18. https://pubmed.ncbi.nlm.nih.gov/30984655/	Abdulaziz Alrashed Khalid Aljammaz	February 2019
2.	Alshahrani AM, Pathan A, Alruwais JF, Alduhayshi AM. Knowledge, attitude, and believes of epilepsy in local communities of Saudi Arabia. J Family Med Prim Care. 2019;8(3):1065-1069. DOI:10.4103/jfmpc.jfmpc_425_18 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6482760/	Judan Alruwais Ali Alduhayshi	March 2019

3. Book Chapter Publications 1 September 2018 to 31 August 2019:

No	Book Chapter Reference and link	Name of the Faculty	Month & Year of Publication
1	Amit Kumar Nayak, Syed Anees Ahmed, Sarwar Beg, Mohammad Tabish, Md Saquib Hasnain, Chapter 18 - Application of Quality by Design for the Development of Biopharmaceuticals, Editor(s): Sarwar Beg, Md Saquib Hasnain, Pharmaceutical Quality by Design, Academic Press, 2019, Pages 399-411, ISBN 9780128157992, https://doi.org/10.1016/B978-0-12-815799-2.00019-8 .	Dr. Mohammad Tabish	March 2019

4. Research Projects:

Nil: Scientific Research Unit did not receive any information about the research projects submitted and sanctioned during the academic year 2018-2019.

5. Conferences:

Nil: Scientific Research Unit did not receive any information about the conferences during the academic year 2018-2019.

6. Ethical approvals:

Nil: Scientific Research Unit did not receive any information about the ethical approval during the academic year 2018-2019.

Note: Local Institutional Review Board established in the academic year 2019-2020.

7. Program Key Performance Indicators related to research

Performance indicators are important tools for assessing the quality of academic programs and monitoring their performance. They contribute to continuous development processes and decision making support.

The National Center for Academic Accreditation and Evaluation has identified 17 key performance indicators at the program level. Out of 17 key performance indicators 03 key performance indicators is to measure the research potential in the program. Herewith we mentioned these research related key performance indicators to ensure the quality of our program.



Standard	Code	Key Performance Indicators	Description
-5- Teaching staff	KPI-P-14	Percentage of publications of faculty members	Percentage of full-time faculty members who published at least one research during the year to total faculty members in the program
	KPI-P-14 for the academic year 2018-2019 09/31 = 29%		
	KPI-P-15	Rate of published research per faculty member	The average number of referred and/or published research per each faculty member during the year (total number of refereed and/or published research to the total number of full-time or equivalent faculty members during the year)
	KPI-P-15 for the academic year 2018-2019 24/31 = 0.77		

Standard	Code	Key Performance Indicators	Description
-5- Teaching staff	KPI-P-16	Citations rate in referred journals per faculty member	The average number of citations in referred journals from published research per faculty member in the program (total number of citations in refereed journals from published research for full-time or equivalent faculty members to the total research published)
	KPI-P-16 for the academic year 2018-2019 $65/31 = \mathbf{2.1}$		

8. Articles statistics:

Articles published in standard databases during the academic year 2018-2019

PubMed	7	Web of Science	6
Scopus	5	Others	11

Thank You
Scientific Research Unit