**Cover Letter**

**Subject:** Assistant Professor (Pharmacology) at Your Esteemed Institute.

Dear Sir,

Greetings

I am Dr. Mohammed Kaleem, an Assistant Professor in the Department of Pharmacology H.K College of Pharmacy Jogeshwari, Mumbai, Maharashtra- 400102. I completed my Ph.D. in Biochemistry from King Abdulaziz University, Jeddah, Saudi Arabia, and Master of Pharmacy in Pharmacology from Jamia Hamdard University, New Delhi, India in the year 2015. I would like to apply for the Assistant Professor (Pharmacology) position in your esteemed institute.

The topic of my thesis was “***In vitro* and *in vivo* investigation of the anticancer activities of thymoquinone involving ubiquitination pathway**”. During my Ph.D., I have published **9 articles** in the journals of international repute. Total, I have published **11 articles** in the journals of national and international repute.

I am strongly interested in **research related to anticancer field using bioactive compounds**. I have gained good experience in various *in vitro* and *in vivo* models such as rats and mice during my masters and Ph.D. I used homogenizer, spectrophotometer, flow cytometry, ELISA, RT-PCR and western blotting, etc. routinely.

I can work in collaboration with a diverse group and try my best to stick with time schedules and deadlines. I have good experience in data interpretation using software and am competent enough to write a research/review article. I am also well organized in maintaining the research documents and laboratory inventory.

I can teach all the subjects related to pharmacy. I hope, the great infrastructure and full-fledged laboratory of your institution will help me to express my skills professionally.

I believe that given a chance I can be an asset to your lab. Thanking you in anticipation for your positive reply in this regard. I have attached my current resume and some of my publications for your kind perusal and record.

Sincerely

Dr. Mohammed Kaleem

**MOHAMMED KALEEM**

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## OBJECTIVE

To grow with a leading organization that utilizes my abilities to the fullest, helps me realize, develop my potential, and help me be a part of a team that scales great heights through continuous learning and dedication

## KEY SKILLS

* High level of optimism
* Self-confidence, self-reliance, and self-control
* Dedication and commitment towards work
* Sincere and punctual
* Good subjective knowledge and ability to handle projects independently and in a group
* Proficient in RT-PCR, UV spectrophotometer, Microtomy, ELISA, Cell culture, MTT/WST-1, Cell proliferation assay, Flow-cytometry, Western blotting, and Gel electrophoresis, etc.
* Experienced in animal management for Pharmacological studies

## PROFESSIONAL QUALIFICATION

* Ph.D. (Biochemistry): Thesis entitled ***In vitro* and *in vivo* investigation of the anticancer activities of thymoquinone involving ubiquitination pathway**” under the supervision of Dr. Mahmoud Alhosin, Department of Biochemistry, Faculty of Science, KAU, Jeddah Saudi Arabia, 17th Nov 2021.
* Master of Pharmacy (Pharmacology): Jamia Hamdard University, New Delhi, India, (1st division, 74.83%), 2015.
* Bachelor of Pharmacy: Jamia Hamdard University, New Delhi, India, (1st division, 65.67%), 2013.

## COMPUTER EDUCATION

* Well-versed with a windows-based environment.
* MS Office, (MS –word, MS –excel, MS-power point) Access.

## WORK EXPERIENCE

* Completed Research Associates Fellow, on a project entitled “**Estimation of chemopreventive potential of various nano-polyphenols in *Prostate cancer***” funded by Ministry of Education (RDO), COI, Prof. Shams Tabrez, King Fahd Medical Centre, King Abdulaziz University, Jeddah, Saudi Arabia.
* Completed a project in a collaboration entitled “Obesity Model by using High-Fat Diet on mice” at Faculty of Pharmacy in King Abdulaziz University, Jeddah Saudi Arabia, 10April2021-10Aug2021.
* Worked in collaboration project entitled “Obesity Model by using High-Fat Diet on Wistar albino rats” at Faculty of Science Biochemistry in King Abdul-Aziz University, Jeddah Saudi Arabia, 15 November 2018- February 2019.
* Worked on a project entitled “Cardiac Remodelling” at Faculty of Science, King Abdulaziz University, Jeddah Saudi Arabia, February 2018- April 2018.
* Worked as Research trainer in Cell cultures and western blot at ATREC (ICGC), Kharghar Navi Mumbai, India (one-month summer training) in Professor R. Sarin lab, July 2018
* Worked as Research Co-ordinator at JSS University, Mysore, Karnataka from June 2017 to December 2017.
* Worked as Pharmacovigilance Officer at Pfizer (Wipro) Delhi from February 2016 to May 2017.
* Worked as a Research Associates with Dr. Shreesh Ojha from October 2015 to December 2015 at United Arab Emirates University, UAE.

## ACHIEVEMENT

* 2015, qualified GRE Test and got 280 out of 340 marks
* 2014, qualified IELTS with 6 out 9 bands
* 2013, qualified GPAT with 92 percentiles

## FELLOWSHIPS

* Awarded Junior Research Fellowship by AICTE for two years (2013-2015) during Master of Pharmacy in Pharmacology course
* Awarded Hamdard National Foundation Fellowship by Jamia Hamdard for two years (2011-2013) during Bachelor of Pharmacy course

## PUBLICATIONs/Poster Presentation

* R F. Alserihi, M R S Mohammed; **Kaleem, M**; M I Khan; M Sechi; VSanna; T A. Zughaibi; A Abuzenadah; S Tabrez (2022)**.** Development of (-)-epigallocatechin-3-gallate (EGCG)-loaded folate receptor targeted nanoparticles for prostate cancer treatment. Nanotechnology Reviews. 11: 298-311.(Impact factor- **7.85).**
* Islam, B. ul, Suhail, M., **Khan, M. K**., Zughaibi, T. A., Alserihi, R. F., Zaidi, S. K., & Tabrez, S. (2021). Polyphenols as anticancer agents: Toxicological concern to healthy cells. Phytotherapy Research, 35: 6063-6079. (Impact factor- **5.88).**
* **Kaleem, M**., Alhosin, M., Khan, K., Ahmad, W., Hosawi, S., Nur, S. M., … Javed, M. N. (2021). Epigenetic basis of polyphenols in cancer prevention and therapy. (Polyphenols-Based Nanotherapeutics for Cancer Management, Springer, Singapore), 189–238. (Book Chapter), https://doi.org/10.1007/978-981-16-4935-6\_6
* Khalaf A, Abdulrahman AO, **Kaleem M**, Nur, S. M., Asseri, A. H., … Khan, M. I. (2021). Comparative analysis of the impact of urolithins on the composition of the gut microbiota in mormal-diet fed rats. Nutrients 2021, 13(11), 3885. (Impact factor- **5.429**).
* Kumosani TA., Al-Malki AL., Razvi SS., Balgoon MJ., **Kaleem M**., E A Huwait., … S S Moselhy., (2020). Hemorrhagic fever in Saudi Arabia: challenge to public health, effective management and future considerations. African Health Sciences, 20(3), 1153–1163. (Impact factor- **0.87).**
* **Kaleem M**., M Perwaiz., S M Nur., Abdulrahman AO., W Ahmad., F A Al-Abbasi., V Kumar., M A Kamal., F Anwar (2021). Epigenetics of triple-negative breast cancer via natural compounds. Current Medicinal Chemistry, 28. (Impact factor- **4.2).** DOI: [10.2174/0929867328666210707165530](http://dx.doi.org/10.2174/0929867328666210707165530)
* Omran Z, Dalhat MH, Abdullah O, **Kaleem M**; Hosawi, S., Al-Abbasi, F. A., … Alhosin, M et al. (2021). Targeting post-translational modifications of the p73 protein: A promising therapeutic strategy for tumors. Cancers, 13(8):1916. (Impact factor- **6.2).**
* **Kaleem, M**., Ahmad, A., Ahmad, W., Nur, S. M., & Tabrez, S. (2022). Membrane bioreactor as an advanced wastewater treatment technology.(Development in Wastewater Treatment Research and Processes, Elsevier, Netherland), 401–434. (Book Chapter)
* Alghamdi RM., Hassan MA., **Kaleem M**., Kayali, A., Halwani, M. A., Zamzami, M. A., … Alhosin, M. (2020). Targeting Itch/p73 pathway by thymoquinone as a novel therapeutic strategy for cancers with p53 mutation. European Journal of Cell Science, 2(1), 20–26.
* Ojha, S., Kurdi, A., Sadek, B., & **Kaleem, M**., Cai, L., A. Kamal, M., & Rajesh, M. (2016). Phytochemicals as Prototypes for Pharmaceutical Leads Towards Drug Development Against Diabetic Cardiomyopathy. Current Pharmaceutical Design, 22(20), 3058–3070, (Impact factor-**3.45).**
* **Kaleem M**., Haque SE., (2015). Evaluation of cardioprotective role of vinpocetine in isoproterenol-induced myocardial infarction in rats.Journal of Pharmacy Research, 7: 408-414.
* Master of pharmacy thesis worked on a research project entitled **“Evaluation of cardioprotective role of vinpocetine in isoproterenol-induced myocardial infarction in rats” Department of pharmacology,** Jamia Hamdard, New Delhi, India.
* Presented the poster on the research outcome in an international conference entitled **“Recent Advances in Cardiovascular Sciences-7”**, held on 11-12th March **2015** in Amity University, Noida, Uttar Pradesh, India.

## CONFERENCE & WORKSHOPS ATTENDED

* 12-14th Mar 2018; attended an international seminar on **“High-Performance Computing”** organized by King Abdulaziz University, Jeddah Saudi Arabia.
* 24th Nov 2017; attended one-day national seminar on **“Analytical and Molecular Techniques in the Drug Discovery Process”** organized by JSS College of Pharmacy, Mysore.
* 13th Oct 2017; attended one-day national seminar on **“Chromatography: Basics and Advances”** organized by JSS College of Pharmacy, Mysore.
* 16 September 2017 attended a one-day national seminar on **“Challenges to Patentability in Pharma sector”** organized by JSS College of Pharmacy, Mysuru.
* 09Aug2017, **“Green chemistry and Future Chemistry”** organized by Sarada Vilas Educational Institution, Sarada Vilas College of Pharmacy, Mysuru.
* 2014 “Pharmacovigilance and drug safety” at AIIMS India
* December 2012, “Ooty & Kodaikanal” for herbal medicinal tours
* March 2013, “Arbaro company” for pharmaceutical tours
* 20-22th December 2013, participated as a member of L.O.C in 65th Indian Pharmaceutical Congress at Amity University, Noida, Utter Pradesh
* April 2015, “Soft Skills” in at Jamia Hamdard University

## Membership of National Bodies

* Indian Pharmacy Graduate Association (IPGA)
* National Medical Library at AIIMS for 2 years (2013-2015)

## EXTRACURRICULAR ACTIVITIES

* Participated in HEALTH SCREENING CAMP at Pharma Fest “RX 2010-11”
* Participated in Badminton Tournaments Organized by “Jamia Hamdard University 2011”
* Participated National level event “RX 2013”
* 2012, attended inter-college pharmacy quizzes & secured second prize in Islamic quiz conducted by Jamia Hamdard University

1. **Dr. Mahmoud Alhosin, Incharge Cell culture**

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3. **Prof. Shams Tabrez**

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## DECLARATION

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

**Place:** Mumbai, Maharashtra

**Date:** 01/05/2022 **Dr.** **Mohammad Kaleem**