

Curriculum Vitae



Personal Information:

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Carrier Objective

My objective is to be a part of an organization, which values merits, research skills, respects hard work and which can utilize my qualification and abilities for the mutual growth. To seek a challenging career that offers me the opportunity to professionally grow and prosper.

Summary of Qualifications

- Major area of research is molecular diagnosis, nanomaterials, anti-tumor therapy, natural compound anti-cancer screening.
- 2 plus years of progressive experience in expanded horizons of Medical Science which include medical affairs, Health care Services, innovation in Healthcare with proven success and creativity and **teaching** in clinical research.
- Successful in establishing scientific and business relationships with key physicians, regulatory authorities.
- Expertise in field force training and in conducting awareness programs and in the development of relationship with opinion leaders & regulators.
- Effectively develop and implement clinical research studies/trials to support marketing and sales.
- Ms Excel, Ms Word, Ms PowerPoint Advance user
- SPSS Advance user
- Research article advance level from writing to publishing
- Medical and technical competencies: Scientific Knowledge of disease areas and products, Medical clearing of promotional material, Clinical Studies, Quality Assurance, Medico-scientific training, Pharmacovigilance, Scientific and Medical Intelligence, Pharmaco-economics.

Specialties

- Molecular diagnosis, nanomaterials, anti-tumor therapy, natural compound anti-cancer screening.
- Clinical trials including protocol development till publishing.
- **Teaching medical students (Anatomy, Physiology, Pharmacology, Pathology, Medicine, Diagnostic, Ophthalmology, Microbiology)**
- KOL engagement and Communication
- Develop and implement clinical research programs to support marketing and sales.
- Problem solving, employ new ideas, concepts and methods - Leadership skills

Education

- **PhD fellow at TCM and Ethnomedicine Innovation and Development Laboratory School of Pharmacy Hunan University of Chinese Medicine, Changsha-Hunan, China (2017 to present).**
- BEMS (Bachelor of Eastern Medicine and Surgery) From Hamdard University (2010 To 2014).
 - **Achieve 3.61 CGPA with Hakeem Saeed Shaheed Gold Medal**
 - Fsc (Pre-Medical) Passed Intermediate Examination from The Board of Intermediate & Secondary Education Karachi. (2007 To 2009)
 - S.S.C Passed Matriculation Examination from the Board of Intermediate & Secondary Education Karachi. (2005 To 2007)

Experience

- Working as a PhD student in Hunan University of Chinese Medicine. Major area of research is molecular diagnosis, nanomaterials, anti-tumor therapy, natural compound anti-cancer screening.
- 4 months experience in Maple pharmaceutical, in Medical Affairs as a Medical Affairs officer department.
- 1-year house job experience in different hospitals (ER, General ward, Pead's, Dialysis, OPD).
- 1.5 years' experience in **Herbion pharmaceutical, in Medical Affairs and Training Department as a Medical Affairs and Training Officer (clinical research coordinator)** from 1st March, 2016 to 8th September, 2017.

Specialties:

- Molecular diagnosis, nanomaterials, anti-tumor therapy, natural compound **anti-cancer** screening, Medical teaching, Medical Affairs, Trainings, Clinical Management, KOL engagement, Clinical trials, monitoring, research publications, IRB approvals.

Computer Skills:

Ms Office (Advance), Adobe Photoshop, Freehand, Corel draw, **SPSS (Advance)**, Urdu Inpage,

Software's (Advance), Hardware's, **Networking (Advance)**, Printing, Scanning, Typing speed

80wmp

Hobbies:

- Reading Books, Research article writing

Seminar:

- Breast cancer at Baitul-hikmah auditorium Hamdard university
- Blood brain barrier at Baitul-hikmah auditorium Hamdard university
- YOUNG RESEARCHER'S SKILL DEVELOPMENT", organized by National Academy of Young Scientist at University of Karachi.
- Thalassemia at Omair sana foundation
- 5th international conference in Hamdard university

Project submitted:

Memorandum of Understanding for Research Cooperation between Jinnah University for Women, Karachi and Islamia University Bahawalpur; Government College University Faisalabad; University of Karachi; Islamic International University Islamabad, Pakistan, Linked to South-Central University for Nationalities (SCUN), Wuhan, Hubei, China to Promote the Development of Cooperation in The Fields of Education and Research.

As Research Team Member

1. Sustainable Utilization and Development of Important Hepatoprotective Medicinal Plant Resources of China and Pakistan. National Natural Science Foundation of China (NSFC) and Pakistan Science Foundation (PSF) Total Funds Requested (1.9759 million-yuan RMB from NSFC, 5 million rupees form PSF)

Conference papers:

1. International Conference on Therapeutic Importance of Traditional medicine (**Title: Cytotoxicity screening and mechanism studies of natural compounds**)
2. International Digital Medicine Society Digital Chinese Medicine Third Annual conference (**Title: Tujia Ethnomedicine bioactivity rapid screening**)

Publications:

Citation: 458

Hi Index: 10

i10-index: 10

1. **Muhammad Daniyal**, Zamir Ali Siddiqui, Muhammad Akram, HM Asif, Sabira Sultana, Asmatullah Khan. Epidemiology, etiology, diagnosis and treatment of prostate cancer, Asian Pacific Journal of cancer prevention 2014, Vol 15, 9575-9578. **(I.F 2.5)**
2. **Muhammad Daniyal**, Naheed Akhtar, Saeed Ahmad, Urooj Fatima, Muhammad Akram, Hafiz Muhammad Asif. Update knowledge on cervical cancer incidence and prevalence in Asia. Asian Pacific Journal of cancer prevention 2015, Vol 16 (9), 3617-3620. **(I.F 2.5)**
3. **Muhammad Daniyal**, Muhammad Akram. Anti-fertility activity of medicinal plants. Journal of the Chinese Medical Association 78 (2015) 382e388. **(I.F 1.89)**
4. **Muhammad Daniyal**, Saeed Ahmad, Mukhtiar Ahmad, Hafiz Muhammad Asif, Muhammad Akram, Saif Ur Rehman, Sabira Sultana. Risk factors and epidemiology of gastric cancer in Pakistan: Mini Review. Asian Pacific Journal of Cancer Prevention, 2015, Vol 16 (12), 4821-4824. **(I.F 2.5)**
5. **Muhammad Daniyal**, Muhammad Akram, Abdul Hamid, Allah Nawaz, Khan Usmanghani, Saeed Ahmed and Leena Hameed. Comprehensive review on treatment of HIV. Pak. J. Pharm. Sci., Vol.29, No.4, July 2016, pp.1331-1338. **(I.F 0.8)**
6. Zubair Ali, **Muhammad Daniyal**, Ismailov S.I., Khan Usmanghani and Safila Naveed. Evaluation, efficacy and tolerability of GlucoNovax tablet in type 2 diabetic patients. Pak. J. Pharm. Sci., Vol.29, No.4 (Suppl), July 2016, pp.1443-1449. **(I.F 0.59)**
7. Zubair Ali, Majid Ali Khan, Shamsheer Ali Khan, **Muhammad Daniyal**. Evaluation of new formulation (Verona X Tablet) in Patients with Erectile Dysfunction. Journal of Pharmacy and pharmaceutical Sciences, RADS-JPPS Vol 4 (1), June 2016, 141-145. **(HEC approved)**
8. Zubair Ali, Kattahodzhaeva M.Kh, Rakhimova L.Sh, **Muhammad Daniyal**. Studying of clinical efficiency and safety of femion capsule in females with psychosexual disorders. Journal of Pharmacy and pharmaceutical Sciences, RADS-JPPS Vol 4 (1), June 2016, 146-155. **(HEC approved)**

9. Zubair ali, **Muhammad Daniyal**, Zafar Mehdi, S.M.Umair Hamid, Khan Usmanghani. Study on Camphor Free Natural Topical Medicine for Upper Respiratory Tract Infection. Baqai J. Health Sci, Vol. 19, No. 2, July- Dec, 2016.
10. Muhammad Osama Alam, Ejaz Mohiuddin, **Muhammad Daniyal**, Khan Usmanghani. Clinical efficacy and safety of herbal medicine Dermidoc in the management of atopic dermatitis versus allopathic medicine PolymixinB-bacitrin ointment. Pak. J. Pharm. Sci., Vol.29, No.6 (Suppl), November 2016, pp.2287-2291. **(I.F 0.59)**
11. Zubair Ali, **Muhammad Daniyal**, Khan Usmanghani. Evaluation of efficacy of anti-lice shampoo. RADS J. pharm. pharm. Sci.2017;5(1):59-65. **(HEC approved)**
12. Zubair Ali, **Muhammad Daniyal**, Khan Usmanghani. Clinical trial on Entocid Chewable Tablet for Hyperacidity and Gastro esophageal reflex. RADS J. pharm. pharm. sci. 2017;5(2):2-7.
13. Hafiz Mohammad Rashid Nadeem, Ejaz Mohiuddin, Shahab-ud- Din, **Muhammad Daniyal**, Khan Usmanghani. Comparison of Anti BPH capsule (herbal) and Terazosin HCl in the treatment of Benign Prostate Hyperplasia. Pak. J. Pharm. Sci., Vol.30, No.1(Suppl), January 2017, pp.289-293. **(I.F 0.59)**
14. Saira Bano, Hina Mahmood, Kashifa Khanum, Khan Usmanghani, **Muhammad Daniyal**. Determination of the Anxiolytic Potential of New Polyhedral Formulation. RADS J. pharm. pharm. Sci.2017;5(1):14-17. **(HEC approved)**
15. Zubair Ali, **Muhammad Daniyal**, Muhammad Khalid Adhia, Anees Alam, Babar Sarfaraz, Abdul Sattar, Khan Usmanghani. To evaluate the efficacy and safety of CofNovex plus (EMA) syrup. Pak. J. Pharm. Sci., Vol.30, No.2(Suppl), March 2017, pp.591-596. **(I.F 0.59)**
16. Abdul Khaliq, Syed Dilnawaz Gardezi, Muhammad Jamil Ahmad, M Farid Khan, Muhammad Akram, Asmatullah Khan, Mubashir Sabir And **Muhammad Daniyal**. DETERMINATION OF SOME MACRO-MINERALS OF OLEA EUROPAEA L. GROWING IN PAKISTAN. Bangladesh J. Bot. 46(2): 813-816, 2017 (June). **(I.F 0.21)**

17. Muhammad Akram, Mehwish Iqbal, **Muhammad Daniyal** and Asmat Ullah Khan. Awareness and current knowledge of breast cancer. *Biol Res* (2017) 50:33. **(I.F 2.48)**
18. Kashifa Khanum, Aqib Zahoor, Rabia Ali, Khan Usmanghani, Hina Rehman, Safila Naveed, Muhammad Osama Alam, **Muhammad Daniyal**, Hira Munir. Clinical studies of linkus syrup for efficacy and safety for the treatment of cough, respiratory infection in children. *J. pharm. pharm. sci.* 2017;5(2):36-43. **(HEC approved)**
19. Mariyah Yacoob Bawa, Zeba Parween Imran, **Muhammad Daniyal** and Khan Usmanghani. Quality control of polyherbal drugs for the detection of microbial agents. *J. pharm. pharm. sci.* 2017;5(3): 51-56. **(HEC approved)**
20. **Muhammad Daniyal**, Syed Rashid Ali jaffary, Syed Faisal Zaidi, Syed Waseemuddin Ahmed, Muhammad Khalid Adhia, Faheem Akhtar, Muhammad Ibrar Shinwari, Khan Usmanghani. Single Blind, Placebo Control Phase III Study of Insty Granules to Evaluate its Efficacy and Safety. *RADS J. pharm. pharm. sci.* 2017;5(3):2-10. **(HEC approved)**
21. Khan Muhammad Baloch, Khan Usmanghani, Ejaz Mohiuddin, Tasneem Qureshi, **Muhammad Daniyal** and Muhammad Ibrar Shinwari. A randomized, control and comparative study of polyherbal formulation use for Malaria (*Plasmodium falciparum*). *Pak. J. Pharm. Sci.*, Vol.31, No.1(Suppl), January 2018, pp.291-297. **(I.F 0.59)**
22. Muhammad Akram, Imtiaz Mahmood Tahir. Syed Muhammad Ali Shah, Zahed Mahmood, Awais Altaf, Khalil Ahmad, Naveed Munir, **Muhammad Daniyal**, Suhaila Nasir, Huma Mehboob. Antiviral potential of medicinal plants against HIV, HSV, influenza, hepatitis, and coxsackievirus: A systematic review. *Phytotherapy Research.* 2018;1–12. **(I.F 3.76)**
23. Shamaila Zafar, Muhammad Mudassar Ashraf, Asghar Ali, Nosheen Aslam, Asma Ashraf, Sara Zafar, Rahat Andleeb, Muhammad Waqas Khadam, Imtiaz Mahmood Tahir, Muhammad Akram, Syed Muhammad Ali Shah and **Muhammad Daniyal**. Effect of caffeine on anti-clotting activity of warfarin in healthy male albino rabbits. *Pak. J. Pharm. Sci.*, Vol.31, No.2(Suppl), March 2018,

pp.611-616. **(I.F 0.59)**

24. Nirit Bernstein, Muhammad Akram, **Muhammad Daniyal**, Hinanit Koltai, Marcelo Fridlender, Jonathan Gorelick. Antiinflammatory Potential of Medicinal Plants: A Source for Therapeutic Secondary Metabolites. *Advances in Agronomy*, Volume 150, Chapter 4. <https://doi.org/10.1016/bs.agron.2018.02.003>. **(I.F 3.6)**
25. Asmat Ullah Khan, Muhammad Akram, **Muhammad Daniyal** & Rida Zainab. Awareness and current knowledge of Parkinson disease: A Neurodegenerative disorder. *International Journal of Neuroscience*, DOI: 10.1080/00207454.2018.1486837. **(I.F 1.85)**
26. Chunyi Tong, Xizhi Zhang, Jialong Fan, Bin Li, Bin Liu, **Muhammad Daniyal**, Wei Wang. PEGylated mBPEI-rGO nanocomposites facilitate hepatocarcinoma treatment combining photothermal therapy and chemotherapy. *Bulletin* (2018), doi: <https://doi.org/10.1016/j.scib.2018.06.003>. **(I.F 6.2)**
27. Yongbei Liu, Yupei Yang, Shumaila Tasneem, Nusrat Hussain, **Muhammad Daniyal**, Hanwen Yuan, Qingling Xie, Bin Liu, Jing Sun, Yuqing Jian, Bin Li, Shenghuang Chen and Wei Wang. Lignans from Tujia Ethnomedicine Heilaohu: Chemical Characterization and Evaluation of Their Cytotoxicity and Antioxidant Activities. *Molecules* 2018, 23, 2147; doi:10.3390/molecules23092147. **(I.F 3.06)**
28. Amir Riaz, **Muhammad Daniyal**, Muhammad Ishaq Ghauri, Hamza Alam, Syed Faisal Zaidi, Khan Usmanghani and Wei Wang. To evaluate the efficacy and safety of CartiNovex plus tablet in osteoarthritis and rheumatoid arthritis. *Pak. J. Pharm. Sci.*, Vol.31, No.5(Suppl), September 2018, pp.2033-2040. **(I.F 0.59)**
29. Saira Bano, Rabia Ali, Naeem Akhtar, Amna Qadeer, Kashifa Khanum, **Muhammad Daniyal**, *Khan Usmanghani, Muhammad Akram, Sultan Ayaz, Kanwal Ahmed. Toxicity Study of Infidol Colic Drop and Sennalax Administered Orally in NMRI Mice. *RADS J Pharm. Pharm. Sci.* 2018; 6(2): 1-5. **(HEC approved)**

30. Muhammad Faizan Khan, Muhammad Akram, Naheed Akhter, Muhammad Mukhtiar, Rabia Zahid, Fahad Said Khan, **Muhammad Daniyal**, Imtiaz Mahmood Tahir, Khalil Ahmed, Aamir Sharif, Shamaila Kausar, Syed Muhammad Ali Shah and Khan Usmanghani. The evaluation of efficacy and safety of Cough (EMA) granules used for upper respiratory disorders. Pak. J. Pharm. Sci., Vol.31, No.6(Suppl), November 2018, pp.2617-2622. **(I.F 0.59)**
31. Naheed Akhtar, Muhammad Akram, **Muhammad Daniyal** and Saeed Ahmad. Evaluation of antidiabetic activity of Ipomoea batatas L. extract in alloxan-induced diabetic rats. International Journal of Immunopathology and Pharmacology Volume 32: 1–6. 2018 Mar-Dec; 32 : 2058738418814678. doi: 10.1177/2058738418814678. **(I.F 2.18)**
32. Ting Zeng, Yan-Ran Tang, Bin Li, Shumaila Tasneem, Han-Wen Yuan, Yan-Zhe Jia, **Muhammad Daniyal**, Nusrat Hussain , Wen-Miao Wang, Da-Lei Zuo, Li-Min Gong, Bin Liu, Ji-lian Shi, Zhun Zhou, Cai-Yun Peng, Shu-Jin He, Wei Wang. Chemical characterization of constituents from Polygonatum cyrtoneura Hua and their cytotoxic and antioxidant evaluation. Natural Product Research **(I.F 1.98)**.
33. Tao Zhan, **Muhammad Daniyal**, Jie li, and Yilin Mao. Protective Effects of Carvedilol against Anthracycline-induced Cardiotoxicity:A Systematic Review and Meta-analysis of Randomized Controlled Trials. Herz Cardiovascular Diseases **(I.F 0.99)**
34. **Muhammad Daniyal**, Bin Liu, Wei Wang. COMPREHENSIVE REVIEW ON GRAPHENE OXIDE FOR USE IN DRUG DELIVERY SYSTEM. Current Medicinal Chemistry..... **(I.F 3.89)**
35. Qiu, Y., H. Yu, R. Zeng, S. Guo, **M. Daniyal**, Z. Deng, A. Wang and W. Wang (2019). "Recent Development on Anti-Obesity Compounds and their Mechanisms of Action: A Review." Current medicinal chemistry. **(I.F 3.89)**
36. **Muhammad Daniyal**, Muhammad Akram, Rida Zainab, Naveed Munir, Aamir Sharif, Syed Muhammad Ali Shah, Bin Liu, Wei Wang. Prevalence and Current Therapy in Chronic Liver

Disorders. Inflammopharmacology..... (I.F 3.83)

37. Qin, Y., **M. Daniyal**, W. Wang, Y. Jian, W. Yang, Y. Qiu, C. Tong, W. Wang and B. Liu (2019). "An enhanced silver nanocluster system for cytochrome c detection and natural drug screening targeted for cytochrome c." Sensors and Actuators B: Chemical **291**: 485-492. (I.F 6.39)
38. Ajaz, M., M. Akram, H. M. Asif, A. Hussain, S. M. A. Shah, I. M. Tahir, **M. Daniyal** and F. S. Khan (2019). "Phytochemical screening and antipyretic effects of hydroalcoholic extracts of selected medicinal plants of Rawalakot, Azad Jammu and Kashmir in albino rats." Pakistan journal of pharmaceutical sciences **32**(2). (I.F 0.59)
39. Daniyal, M., M. Akram, R. Zainab, N. Munir, S. M. A. Shah, B. Liu, W. Wang, M. Riaz and F. Jabeen (2019). "Progress and prospects in the management of psoriasis and developments in phyto-therapeutic modalities." Dermatologic therapy **32**(3): e12866. (I.F 1.74)
40. Khaliq, A., S. M. Ali Shah, M. Akram, N. Munir, **M. Daniyal**, M. Irshad and S. Ahmad (2019). "Determination of oil contents from eight varieties of olea europaea (Olive) grown in Pakistan." Natural product research: 1-5. (I.F 1.98)
41. Shaheen, G., M. Akram, F. Jabeen, S. M. Ali Shah, N. Munir, **M. Daniyal**, M. Riaz, I. M. Tahir, A. O. Ghauri and S. Sultana (2019). "Therapeutic potential of medicinal plants for the management of urinary tract infection: A systematic review." Clinical and Experimental Pharmacology and Physiology **46**(7): 613-624. (I.F 2.33)
42. Cao, M., H. Yuan, **M. Daniyal**, H. Yu, Q. Xie, Y. Liu, B. Li, Y. Jian, C. Peng and D. Tan (2019). "Two new alkaloids isolated from traditional Chinese medicine Binglang the fruit of Areca catechu." Fitoterapia **138**: 104276. (I.F 2.43)
43. Zainab, R., M. Akram, **M. Daniyal** and M. Riaz (2019). "Awareness and Current Therapeutics of Asthma." Dose-Response **17**(3): 1559325819870900. (I.F 2.45)
44. Khan, A. U., M. Akram, **M. Daniyal**, N. Akhter, M. Riaz, N. Akhtar, M. A. Shariati, F. Anjum, S. G. Khan and A. Parveen (2019). "Awareness and current knowledge of epilepsy." Metabolic brain disease: 1-19. (I.F 2.41)

45. Akram, M., Riaz, M., Munir, N., Akhter, N., Zafar, S., Jabeen, F., Ali Shariati, M., Akhtar, N., Riaz, Z., Altaf, S.H., **Daniyal, M.**, Zahid, R. and Said Khan, F. (2020), Chemical constituents, experimental and clinical pharmacology of *Rosa damascena*: a literature review. *J Pharm Pharmacol*, 72: 161-174. doi:10.1111/jphp.13185. **(I.F 2.39)**
46. Qin, Y., J. Fan, W. Yang, B. Shen, Y. Yang, Q. Zhou, W. Chen, **M. Daniyal**, F. Xiao and W.-B. Sheng (2019). "An endogenous Cys-assisted GSH@ AgNCs-rGO nanoprobe for real-time monitoring of dynamic change in GSH levels regulated by natural drug." *Analytical Chemistry*. **(I.F 6.3)**
47. Shehla, N., B. Li, L. Cao, J. Zhao, Y. Jian, **M. Daniyal**, A.-t. Wahab, I. A. Khan, D.-f. Liao and A.-u. Rahman (2020). "Xuetonglactones A–F: Highly Oxidized Lanostane and Cycloartane Triterpenoids From *Kadsura heteroclita* Roxb. Craib." *Frontiers in Chemistry* 7: 935. **(I.F 3.78)**
48. Xiao, F., J. Fan, C. Tong, C. Xiao, Z. Wang, B. Liu, **M. Daniyal** and W. Wang (2019). "An erythrocyte membrane coated mimetic nano-platform for chemo-phototherapy and multimodal imaging." *RSC advances* 9(48): 27911-27926. **(I.F 3.04)**
49. Liu, B., W. Wang, J. Fan, Y. Long, F. Xiao, **M. Daniyal**, C. Tong, Q. Xie, Y. Jian and B. Li (2019). "RBC membrane camouflaged prussian blue nanoparticles for gambutolin loading and combined chemo/photothermal therapy of breast cancer." *Biomaterials* 217: 119301. **(I.F 10.2)**
50. Akram, M., M. Riaz, N. Munir, A. Rasul, **M. Daniyal**, S. M. Ali Shah, M. A. Shariati, G. Shaheen, N. Akhtar and F. Parveen (2020). "Progress and prospects in the management of bacterial infections and developments in Phytotherapeutic modalities." *Clinical and Experimental Pharmacology and Physiology*. **(I.F 2.33)**
51. **Daniyal, M.**, Y. Jian, F. Xiao, W. Sheng, J. Fan, C. Xiao, Z. Wang, B. Liu, C. Peng and Q. Yuhui (2020). "Development of a nanodrug-delivery system camouflaged by erythrocyte membranes for the chemo/phototherapy of cancer." *Nanomedicine* 15(07): 691-709. **(I.F 4.7)**
52. Luo, R., H. Zhou, W. Dang, Y. Long, C. Tong, Q. Xie, **M. Daniyal**, B. Liu and W. Wang (2020).

"A DNzyme-rGO coupled fluorescence assay for T4PNK activity in vitro and intracellular imaging." *Sensors and Actuators B: Chemical* 310: 127884. **(I.F 6.39)**

53. Yang, Y., Y. Liu, **M. Daniyal**, H. Yu, Q. Xie, B. Li, Y. Jian, R. Man, S. Wang and X. Zhou (2019).

"New Lignans from roots of *Kadsura coccinea*." *Fitoterapia* 139: 104368. **(I.F 2.43)**

54. Akram, M., **M. Daniyal**, N. Munir, E. Mohiuddin and S. Sultana (2019). "Medicinal Plants

Combating Against Insomnia: A Green Anti-Insomnia Approach." *The Journal of nervous and mental disease* 207(11): 927-935. **(I.F 1.9)**