

PERSONAL STATEMENT

As I listlessly laid down on the bed 9 years ago after being diagnosed with typhoid fever. My mind was plague with defeating thought of no treatment for the illness. I resolved in my heart to fight back to life and find fundamental solution to endemic diseases. My career goal is to use my knowledge and expertise to improve treatment for endemic diseases and find solution to antimicrobial resistance to drugs especially antibiotics which has become a major challenge facing the medical fraternity today. To this end I wish to pursue Master of Science in Chemistry at your prestigious university with research interest in Medicinal Chemistry and Drug Discovery.

My proclivity towards saving life led me to undergo 10 months Industrial Training at Abubakar Tafawa Balewa University Medical Laboratory Centre. Here, my main objective is to collect and analyze blood and urine samples for effective treatment of various diseases. Furthermore, through my previous work at Sabil-Sunlight International School Bauchi as a class teacher, home tutor as well as school tutor during my undergraduate program, I have gained excellent communication and interpersonal skills, along with the ability to solve problems and handle challenging situations.

My growing interest in research motivated me to work on two projects during my undergraduate studies. I researched on "Phytochemical screening and antibacterial activity of root and stem bark of *lannea acida*" The study revealed various bioactive components present in the root and stem bark of the plant and the efficacy of the plant extract was ascertained using various bacteria. I also researched on *Diospyros mespiliformis* a known medicinal plant in Bauchi to examine its bioactive components and antioxidant activity. The two researches have been published in International Journal of Chemical Science.

I have always desired to follow my advanced academic studies in a renowned school where I can utilize both the knowledge of erudite Professors and high-tech facilities. Base on my research and keen for further studies, I have realized that Graduate program in Chemistry with focus on organic synthesis, medicinal chemistry and drug discovery at King Fahd University of Petroleum and Minerals is the perfect next step to broaden my academy horizon further. I would like to join the Chemistry Department at the university because of the excellent learning environment, well design curriculum, top-notch facilities, educational resources, and strong research centers in the field of my interest. Learning and working with distinguished faculty like Prof. Nisar Ullah whose research group focuses on organic synthesis, Synthesis of natural and unnatural molecules of medicinal values and design based synthesis of new pharmaceutical perfectly match my research interest and will provide me various opportunities to excel in my field.

Upon completion of my Master of Science in Chemistry, I plan to take a position in academia where I can contribute to delivery of quality education and to participate in research and development to create an avenue in utilizing technology to develop new and safe drugs from the natural products to combat antimicrobial resistance, high mortality and infections caused by bacteria and other harmful microorganisms.

I wish to be an achiever in the field of Medicinal Chemistry. I believe that there is only one path to success i.e. hard work combined with determination. It is with this desire and premise that I forward my application for the Master of Science in Chemistry at your Graduate School. I would be grateful if you can consider my candidature favorably for admission.