PURPOSE OF THIS STUDY:
Antibiotic resistance has rapidly increased during the last decade due to the misuse of antibiotics thus creating a serious threat for the treatment of infectious diseases. Treatment of infectious diseases in the current scenario has become very difficult due to increase in the drug resistance. In addition to resulting in a significant increase in costs and toxicity of a newer drugs, antibiotic resistance is eroding our therapeutic armamentarium \[27\]. One of the most serious challenges to the treatment of the hospital-acquired infections worldwide is the appearance and global spread of the MRSA, which carries a uniquely effective drug-resistant mechanism that can protect these pathogens against all the members of the big \[\beta\]-Lactam family of antibiotics\[28\].

Plant derived products have been used for the medicinal purposes for centuries. Currently, it is estimated that about 80% of the world’s population uses the herbal preparations to meet their health needs. Herbs and spices have been generally considered safe and proved to be effective against certain ailments \[29\].

For over thousands of years now, natural plants have been seen as a valuable source of medicinal agents along with proven potential of treating infectious diseases and with lesser side effects compared to the synthetic drug agents. The purpose of this research is to study the effect of crude extract of plants, which have been a valuable source of natural products for maintaining the human health, with more intensive studies for natural therapies, the use of the plants compounds for pharmaceutical purpose has gradually increased in world.\[30\] Because of the side effects and resistance of the bacteria against the antibiotics, the scientist developed new drugs from the natural sources such as plants, which have been extensively used as an alternative treatment for disease\[31,32\] as antibacterial\[33-36\], antifungal, antioxidants\[37,38\] and anticancer\[39\] due to that most of these plants contain many of active compounds such as flavonoids, tannis, saponins, alkaloids, terpenes, heavy metals.\[40\]. Thus, my study aims in finding the antimicrobial activity of the plants extracts which are active against MRSA, VRSA and VISA.