

## ABSTRACT

Acne is a very common disease and mostly affects the teenagers as compared to the other age group and has some psychological affects as it lowers the confidence level. The researchers are developing the fruit formulations because the acne causing bacteria has developed resistance against the antibiotics. The recent study is conducted to investigate the effects of fruits on bacterial acne. For this purpose the bacterial samples were taken from the teenagers and grown on agar plates and then different biochemical tests were performed and then their DNA was extracted. After the Ribotyping of these samples bacterial strains were obtained which are *Staphylococcus* sp, *Cutibacterium acne*, *Staphylococcus aureus*, *Staphylococcus epidermis*, *Bacillus paramycoids*, *Mammaliicoccus lentus* The fruits (sweet lime, banana, pomegranate and lemon) were purchased from the local markets of Lahore. Their peels were dried and converted into powder form. Then 95% ethanol extracts were prepared. The antibacterial activity of these extracts, disc diffusion and well diffusion method were used. All the fruits extracts showed zone of inhibitions which means that these extracts are active against the acne causing bacteria. Then anti-acne cream was prepared containing these extracts. These results indicated that the fruit formulations were very active against the acne.