

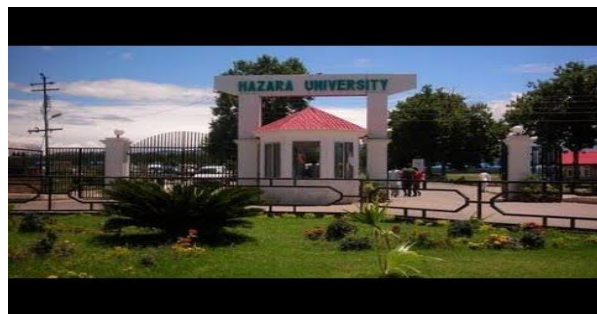
## Research work on antimicrobial activity of honey against specific microbes

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### Abstract

The study was carried out in Hazara University, Mansehra, Pakistan in 2011 on the antimicrobial activity of honey against specific microbes which include like *E. coli*, *Salmonella*, *Staphylococcus aureus*, *Enterococcus faecalis* and *Candida albica n*. During the study the 37 honey samples were collected from different district of Hazara division and Malakand division like Mansehra Swat and Dir were selected for the samples collection. For the samples collection process 170 indoor and outdoor patients were visited. The microorganisms were isolated from the various samples collected from the patients having the confirmed infection which were further processed in the microbiology laboratory by using nutrient agar incubated on 37 °C for 24 hours. During the research work agar well plate technique were used to examine the maximum zone of inhibition on Muller Hinton agar against all the specified organisms. Result showed that *E. coli* showed 66mm, *Salmonella Typhi* 62mm, *Enterococcus faecalis* 60 mm, *Candida albican* 50 mm and *Staphylococcus aureus* 38 mm. From the study it is concluded that honey is used against different diseases and infections like wound infection, diarrhea, dehydration, paralysis, enterococcus faecalis, chest infection, jaundice, tuberculosis and Urinary tract infections.



### Biography:

Sher Ali has completed his BSc in Microbiology from the Faculty of Health Sciences, Hazara University, Mansehra, Pakistan in 2011. After completion of his degree, he has joined the SRSP (Sarhad Rural Support Program) as a Health Promotion and Research Officer and working till date.

### Speaker Publications:

1. Sher Ali, Atta Ur Rehman (2017) Analysis of Genetic Differentiation at ABO and Rh Loci among the Pashtun Populations Inhabiting Lower Khyber Pakhtunkhwa, Pakistan. Pakistan journal of zoology 49(1):387-389.
2. Sher Ali, Sajid Malik (2015) Genetic Heterogeneity and Gene Diversity at ABO and Rh Blood Group Polymorphisms in Seven Pashtun Populations of Upper Khyber Pakhtunkhwa, Pakistan. Pakistan journal of zoology 47(3):649-656.
3. Sher Ali, Sajid Malik (2014) Phenotypic Distribution, Allelic

Diversity and Degree of Differentiation at ABO and Rh Loci in the Population of Haripur District, Khyber Pakhtunkhwa, Pakistan. Pakistan journal of zoology 46(1):1-7

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