



## RESEARCH PAPER

# A comparative study of bacterial qualities of raw milk of cow and sheep

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**Abstract :** A comparative study of bacterial qualities of raw milk of cow and sheep was conducted at Livestock production and management (unit), Department of NRM, faculty of agriculture, MGCGV Chitrakoot–Satna (M.P.) during January to February 2021. All sanitary precaution were followed to produce clean milk. The sample of the raw milk of three animal each were replicated ten time and tested to determine the standard plate count (SPC) ( $10^6$ ), lactic acid bacteria count (LABC) ( $10^3$ ), lipolytic bacteria count (LBC) ( $10^2$ ) proteolytic bacteria count (PBC) ( $10^2$ ) and coliform count (CC) in the raw milk. The data obtained for the aforesaid tests were subjected to statistical analysis. The result of the statistical analysis showed that the differences in mean values of SPC  $10^6$ , LABC/ $10^3$ , LBC/ $10^2$  and PBC,  $10^2$ . In view of the finding and result presented above, results that the milk of all the animals was of superior quality, due to low bacteria count and absence of coliform. The bacteria quality of milk of cow was found superior than sheep milk due to minimum bacteria count of SPC, LABC, LBC and PBC and absence of coliform.

**Key Words :** Raw milk, Bacterial quality, Cow, Sheep

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