



## RESEARCH PAPER

# Physico-chemical characteristics of goat, cow and buffalo milk

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**Abstract :** The present investigation entitled “Physico-chemical characteristics of goat, cow and buffalo milk” was carried out during March to May 2023 at the Dairy Farm Rajola Livestock Production and Management (Unit), Department of Natural resource management, Faculty of Agriculture, Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot – Satna (Madhya Pradesh), to the study physico-chemical qualities of raw milk of goat, cow and buffalo. The results of the investigation regarding the chemical qualities of milk of goat, cow and buffalo have been presented in this chapter with the help of tables and graphs. The study has been divided into the following sub-headings. Protein (%), specific gravity (cc), fat (%), lactose (%), ash (%), total solid (%), water (%) and solid not fat (SNF) (%). In view of the findings and results presented above, it may be concluded that the physico-chemical quality of milk of buffalo was superior to cow and goat milk, due to higher protein. Specific gravity, fat content, lactose, total solid and SNF and lower ash and water content in buffalo milk.

**Key Words :** Goat, Cow, Buffalo, SNF, Ash

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