

COMPARATIVE STUDIES ON NUTRITIVE QUALITY OF BUFFALO AND COW MILK

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ABSTRACT

The present study was conducted to evaluate the nutritive quality of buffalo and cow milk at Department of Animal Products Technology, Faculty of Animal Husbandry and Veterinary Sciences, Sindh Agriculture University Tandojam, during the year 2012-13. A total of 40 milk samples of buffalo and cow (n = 20, each) were examined for macro nutrients such as total solids (TS), fat, protein, lactose and ash contents as well as the calorific values. A remarkable (P<0.05) higher concentration of Total solids, fat, protein, lactose and ash contents was observed in buffalo milk contrast to that of cow milk. Calorific value in buffalo milk was considerably (P<0.05) higher compared to that of cow milk. Buffalo milk was concluded to be a rich source of macro-nutrients as well as calorific values and suggested to be utilized as nutritional soft drink and/or as better base for dairy products. While cow milk with low fat content concluded to be utilized as low fat soft drink and/or as base material for low fat dairy products.

KEYWORDS: Calorific Value, Macro Nutrients, Total Solids