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STUDIES ON ALTERATION IN ERYTHROCYTE SEDIMENTATION RATE (ESR) IN *FELIS DOMESTICUS* AND *FUNAMBULUS PALMARUM* UNDER ARTIFICIAL DIET.

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ABSTRACT

The present study deals with an experiment on the alteration in erythrocyte sedimentation rate (ESR) which shows that when the animals (*Felis domesticus*, a carnivore and *Funambulus palmarum*, a herbivore) were fed with artificial diet that contains food preservatives (BHA), artificial dyes (Food colourant -Red Led, Copper Arsenite), food additives (Melatonin) shows a significant elevation in erythrocyte sedimentation rate (ESR) in the blood of both mammals, *Felis domesticus* and *Funambulus palmarum* under artificial diet during summer, rainy and winter seasons.

KEY WORDS : Erythrocyte Sedimentation rate (ESR), *Felis domesticus*, *Funambulus palmarum*, artificial diet, Red Led, Copper Arsenite, Melatonin.

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