

**ALTERATION IN UREA LEVEL IN BLOOD IN *FELIS DOMESTICUS* (A CARNIVORE) AND *FUNAMBULUS PALMARUM* (A HERBIVORE) WITH REFERENCE TO NATURAL AND ARTIFICIAL DIETS.**

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**ABSTRACT**

Present paper deals with an experiment on the effect of artificial diet on urea level in blood of *Felis domestica* and *Funambulus palmarum* in comparison to natural diet. An elevation in serum urea ( $P < 0.01$ ) was recorded in summer, raining and entire season.

**KEYWORDS:** *Felis domestica*, *Funambulus palmarum*, Food colourants, BUN (Blood urea nitrogen), Diet.

**REFERENCE**

- Agarwal, V.P. Sharma M.2, Sandhya Wadhwa, Gupta, K. and Mishra, B.P. (1982a) : *Proc. Symp. Environ. Van. Sps.*, 27-31.
- Agarwal, S.K. (1992): Sublethal effect of mercuric chloride on some biochemical parameter of the blood in *Channa punctatus* (Bloch). *J. Environ. Biol.*, 13(2), 127-133.
- Goel, K.A. and Garg, V., (1980c) : *Curr. Sci.*, 49(21) : 835.
- Noeske, T.A. and Spider, R.E. (1983) : Photoperiod and diet variation of serum cortisol, thyroxin and protein in gold fish, *carassium auratus*. *J. Exp. Zool.*, 219, 29-37.
- Singh, H.S. and Reddy, T.V. (1990) : Effect of prolonged dark stress on haematology, blood chemistry and hepatosmotic indice of *Heteropneustes fossilis* (Bloch). *Ad. Bios.*, 10(II): 9-18.
- Sharma, M.L., Goel, K.A., Awasthi, A.K. and Tyagi, S.K., (1982): *Toxicol. Lett.*, 14:237.