



# **ANIMAL PHYSIOLOGY**



**Dr. S.V. Ghonmode**

# Animal Physiology

## ABOUT THE BOOK

Physiology is the study of the functions of the body, or how the body works. Animal physiology is the study of the internal physical and chemical functions of animals. Professionals in this field may explore the makeup of animals, including their genetics, their behaviors and their biological structure. Animal Physiology entails the anatomy, histology, and endocrine functioning of the physiological processes of livestock under specific conditions. This also includes the possible manipulation of the reproductive processes by means of accelerated breeding techniques for more efficient livestock and poultry production.

Physiology is the sensible examination of the common limit in living structures. A sub-control of science, it is based on how animals, organ systems, organs, cells, and bio-particles do the blend or physical limits that exist in a living system. The basis of physiology is homeostasis, which is the state of dynamic consistency or maintenance of more or less stable conditions in the internal environment. Dynamic consistency means that physiological parameters, such as body temperature and blood pH, fluctuate around a set point. If any of the parameters were to move too far one way or the other, the organism wouldn't be able to survive. That means homeostasis is vital for survival of individual organisms. The study of physiological processes can encompass a wide array of other disciplines, such as neurophysiology, pharmacology, cell biology, and biochemistry, to name just a few. Physiologists can often be found as members of these other departments, in addition to departments of physiology.

## ABOUT THE AUTHOR



**Dr. S.V. Ghonmode** is serving in S.S.E.S. Amt's Science College, Congress Nagar, Nagpur (M.S.) India, 440012 since 17 years which is a well known and renowned college in Maharashtra. She is working as a Professor. She has completed her Ph.D. under the guidance of Dr. D.B. Tembhare, a renowned personality in academics of University and Education. She has published various research papers and articles in International and National Journals. She has also completed a Minor Research Project funded by UGC. She is a registered Ph.D. supervisor by R.T.M. Nagpur University, Nagpur.

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