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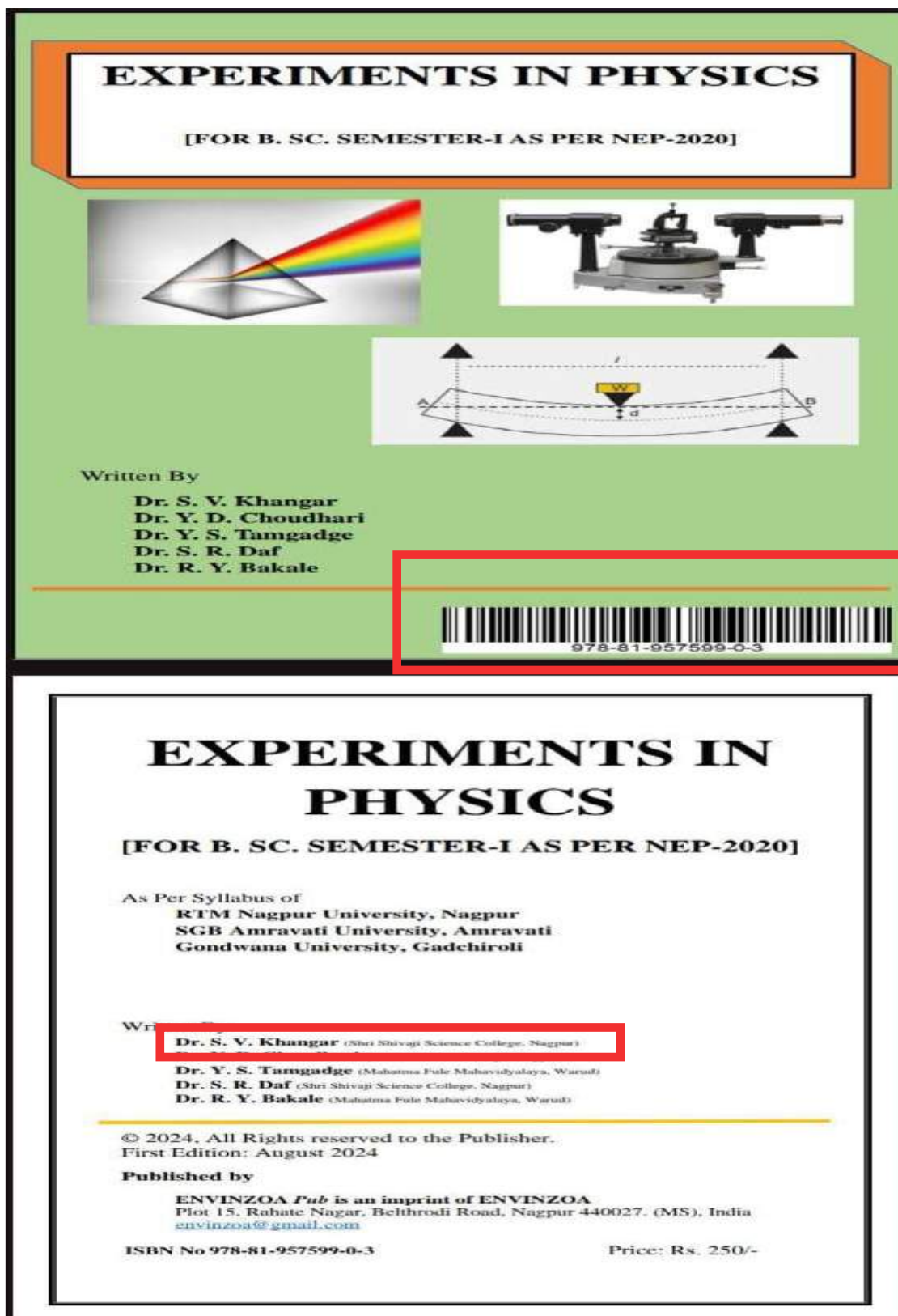
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## Experiments in Physics





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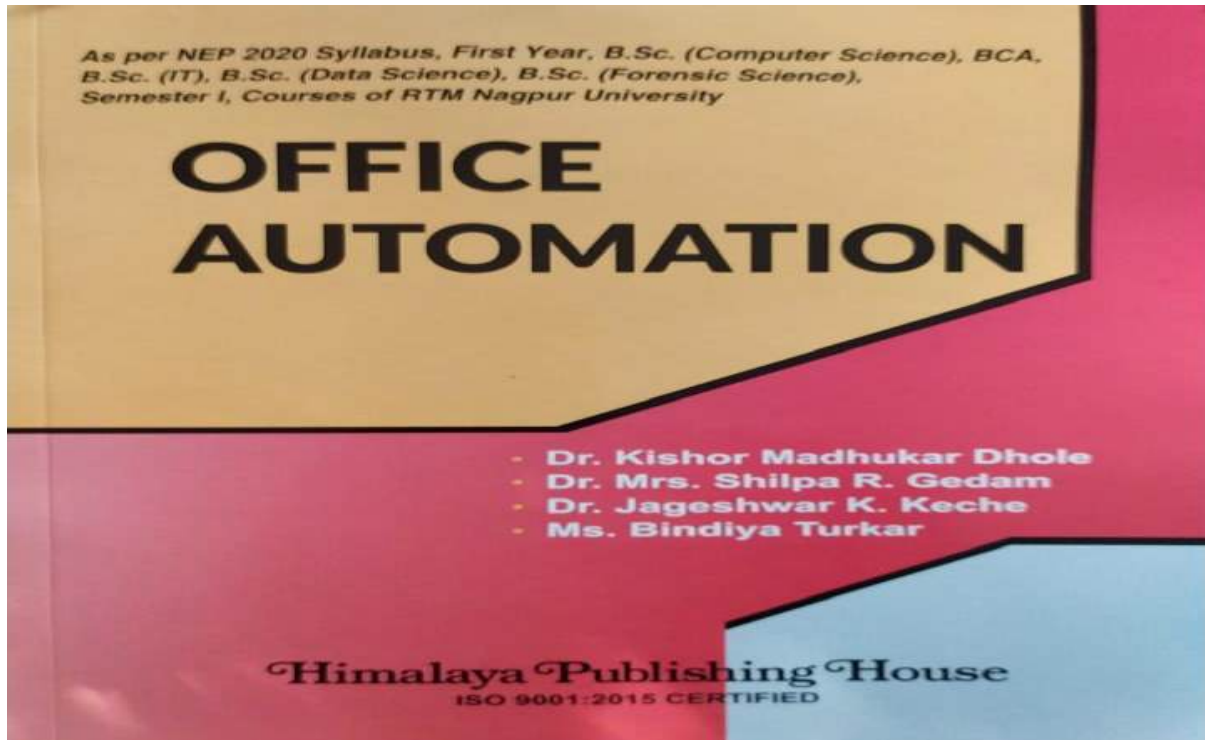
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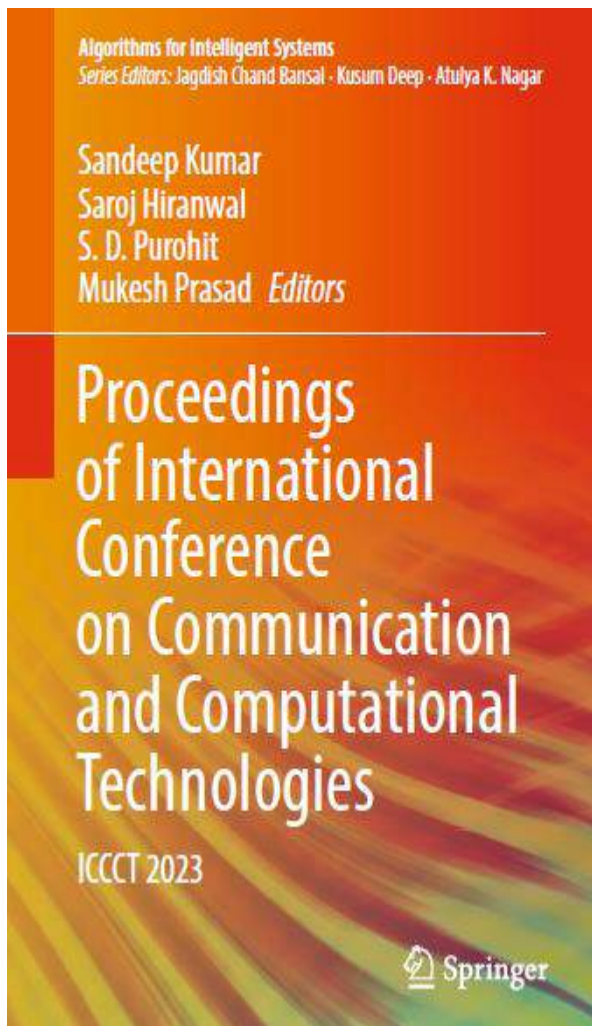


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# Algorithm for Intelligent Systems



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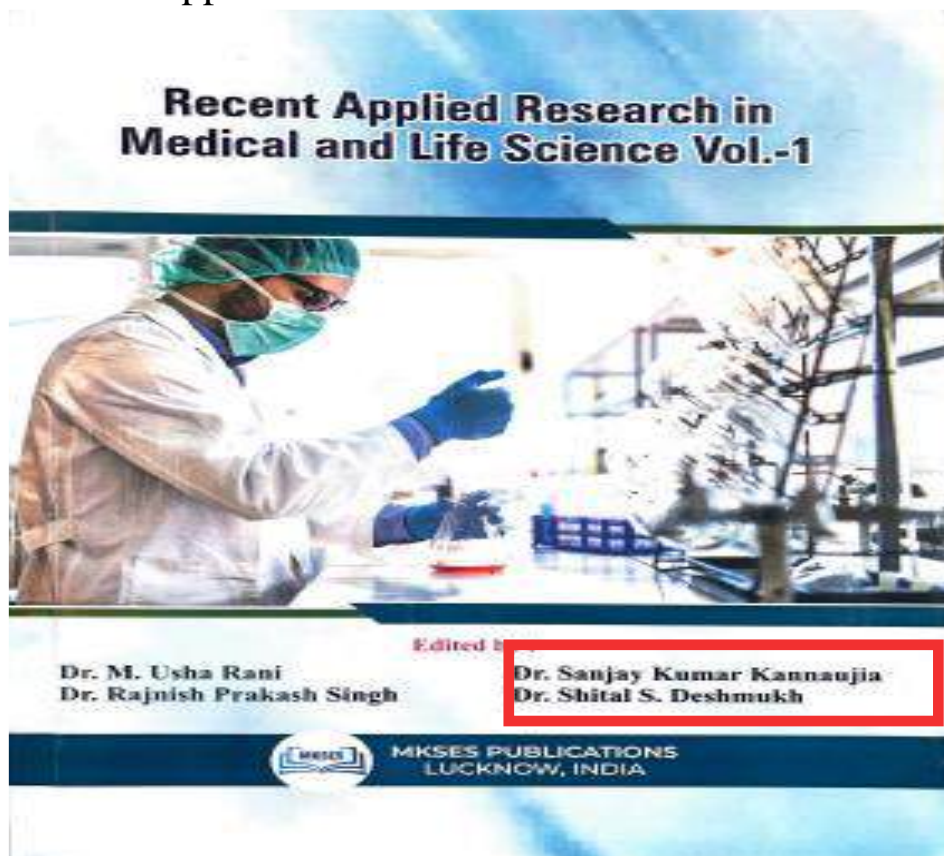
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The screenshot shows the Springer Link interface. At the top, there are navigation options: 'Find a journal', 'Publish with us', 'Track your research', and a search bar. The main content area displays the article title 'A Study of ARIMA Model to Safeguard the Quality of Soil in the Drip Irrigation System' by Savita Mohurle and Shilpa Gedam. The article is identified as a conference paper from the 'Proceedings of International Conference on Communication and Computational Technologies' (ICCT 2023), published online on September 21, 2023, with page numbers 229-243. A small thumbnail of the book cover is visible on the right. The Springer logo and 'Access this chapter' button are also present.



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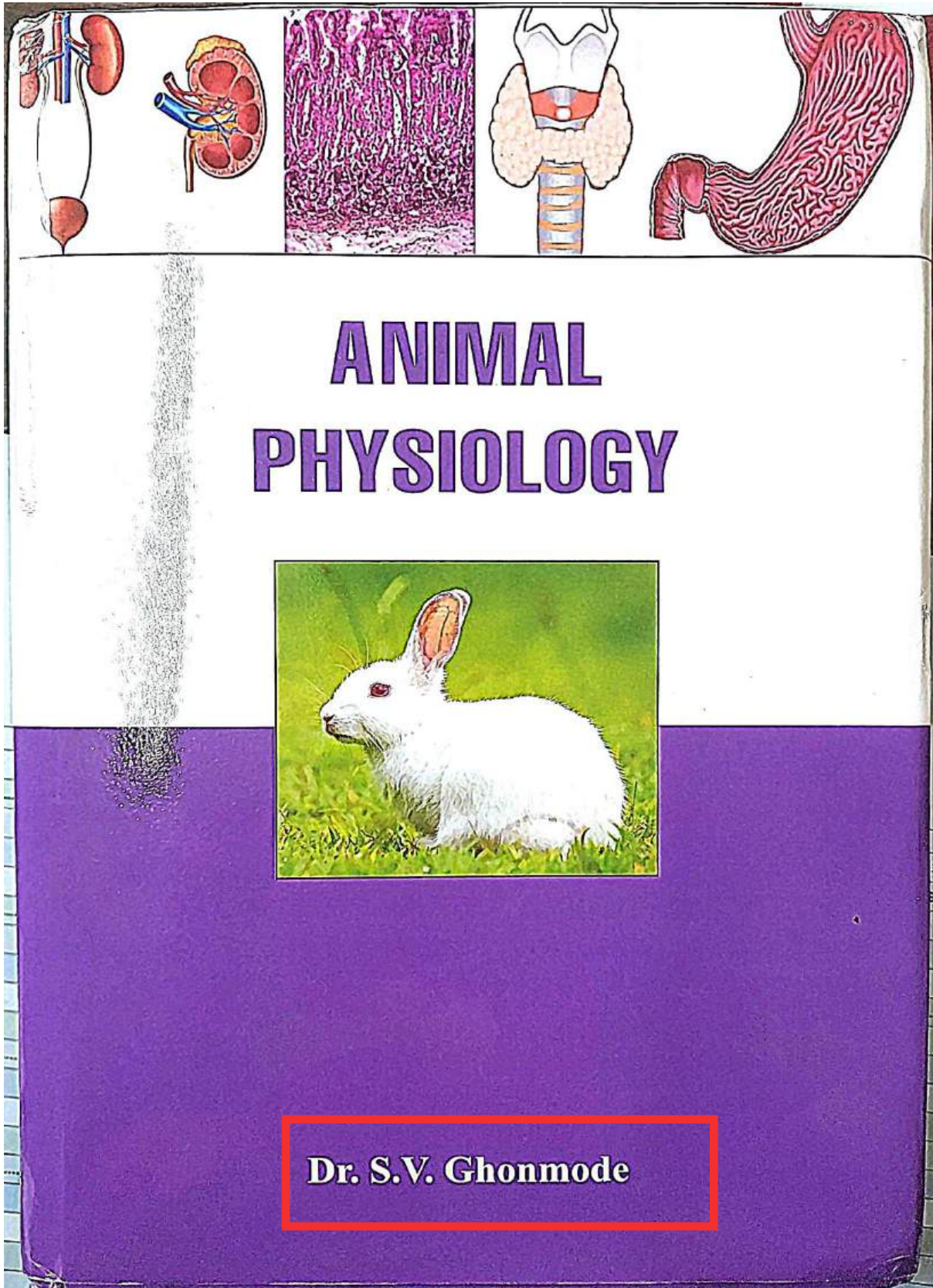
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## Animal Physiology



## 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.

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