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Salem Press Announces the newest Volume in The *Principles of Science* Series, *Microbiology*

Salem Press is pleased to add *Principles of Microbiology* to its well-established *Principles of Science* series. This resource introduces students and researchers to the fundamentals of microbiology using easy-to-understand language, to provide a solid background, and help readers develop a deeper understanding and appreciation of this important and evolving subject.

This new resource explores the study of the invisible world of microorganisms, introducing readers to the main principles of microbiology, its importance, and its many real-world applications. Microorganisms are all around us; many live on or in the human body. They play a crucial role in oxygenating the atmosphere, in optimizing agricultural soil, in pharmaceutical development, in genetic engineering, and, last but not least, in gaining control over deadly infectious disease outbreaks.

Principles of Microbiology includes 167 entries arranged in A to Z order to help make finding a topic of interest easy. Entries related to basic principles and concepts include a list of the Fields of Study covered by the article; an Abstract that provides a brief, concrete summary of the topic and its significance; a list of Key Concepts with definitions, important to a proper understanding of the topic; and a detailed Essay that provides extensive background on the topic and explores its significance to the field of microbiology; and a list of Further Reading for those who wish to pursue the topic in more depth.

Entries in *Principles of Microbiology* range from one to five pages in length. Topics discussed include:

- Bacteria
- Glycolysis
- DNA and RNA Synthesis
- Carbon Cycle
- Food Poisoning
- Mycobacterial Infections
- Bordetella
- Viral Genetics
- Measles
- Antibodies and Genetics
- Herd Immunity
- Immunology
- Steroids
- COVID-19 Vaccine
- Influenza Vaccine
- Vaccine Types
- And More!

(Continued)

This volume also includes several helpful appendixes, including:

- A Glossary that defines all the key specialized terms used throughout the book
- A comprehensive list of Further Reading, comprising all the works that the authors drew upon in writing their articles as well as subjects for further study
- A Subject Index, that offers multiple points of entry for the reader

With 167 essays, this new volume will give readers an overview of the major concepts and contemporary issues surrounding the study of microbiology. Designed for students and researchers, this volume provides a fitting entry into a better understanding of this interesting yet frustratingly complex subject of microbiology. This will be a helpful addition to science programs at the high school, community college, and university levels, and is a must for students with an interest in microbiology at the high school and undergraduate levels.

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Principles of Microbiology

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