



Microbiology: An Introduction with MyMicrobiologyPlace Website (10th Edition)

By Gerard J. Tortora, Berdell R. Funke, Christine L. Case

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This #1 selling non-majors microbiology book is praised for its straightforward presentation of complex topics, careful balance of concepts and applications, and proven art that teaches. In its **Tenth Edition**, Tortora/Funke/Case responds to the #1 challenge of the microbiology course: teaching a wide range of reader levels, while still addressing reader under-preparedness. The **Tenth Edition** meets readers at their respective skill levels.

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The Microbial World and You, Chemical Principles, Observing Microorganisms Through a Microscope, Functional Anatomy of Prokaryotic and Eukaryotic Cells, Microbial Metabolism, Microbial Growth, The Control of Microbial Growth, Microbial Genetics, Biotechnology and Recombinant DNA, Classification of Microorganisms, The Prokaryotes: Domains Bacteria and Archaea, The Eukaryotes: Fungi, Algae, Protozoa, and Helminths, Viruses, Viroids, and Prions, Principles of Disease and Epidemiology, Microbial Mechanisms of Pathogenicity, Innate Immunity: Nonspecific Defenses of the Host, Adaptive Immunity: Specific Defenses of the Host, Practical Applications of Immunology, Disorders Associated with the Immune System, Antimicrobial Drugs, Microbial Diseases of the Skin and Eyes, Microbial Diseases of the

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Editorial Review

About the Author

Gerard J. Tortora is a professor of biology and teaches microbiology, human anatomy, and physiology at Bergen Community College in Paramus, New Jersey. He received his M.A. in Biology from Montclair State College in 1965. He belongs to numerous biology/microbiology organizations, such as the American Society of Microbiology (ASM), Human Anatomy and Physiology Society (HAPS), American Association for the Advancement of Science (AAAS), National Education Association (NEA), New Jersey Educational Association (NJEA), and the Metropolitan Association of College and University Biologists (MACUB). Jerry is the author of a number of biological science textbooks. In 1995, he was selected as one of the finest faculty scholars at Bergen Community College and was named Distinguished Faculty Scholar. In 1996, Jerry received a National Institute for Staff and Organizational Development (NISOD) excellence award from the University of Texas and was selected to represent Bergen Community College in a campaign to increase awareness of the contributions of community colleges to higher education.

Berdell R. Funke received his Ph.D., M.S., and B.S. in microbiology from Kansas State University. He has spent his professional years as a professor of microbiology at North Dakota State University. He taught introductory microbiology, including laboratory sections, general microbiology, food microbiology, soil microbiology, clinical parasitology, and pathogenic microbiology. As a research scientist in the Experiment Station at North Dakota State, he has published numerous papers on soil microbiology and food microbiology.

Christine L. Case is a registered microbiologist and a professor of microbiology at Skyline College in San Bruno, California, where she has taught for the past 38 years. She received her Ed. D. in curriculum and instruction from Nova Southeastern University and her M.A. in microbiology from San Francisco State University. She was Director for the Society for Industrial Microbiology (SIM). She received the ASM and California Hayward outstanding educator awards. In addition to teaching, Chris contributes regularly to professional literature, develops innovative educational methodologies, and maintains a personal and professional commitment to conservation and the importance of science in society. Chris is also an avid photographer, and many of her photographs appear in this book.

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