



4th ed. 2014, XXIII, 768 p. 108 illus., 36 illus. in color.

Printed book

Hardcover

699,99 € | £599.99 | \$849.99

[1]748,99 € (D) | 769,99 € (A) | CHF 825,50

E-reference work

695,49 € | £549.99 | \$799.99

695,49 € (D) | 695,49 € (A) | CHF 766,50

Book with Online Access

999,99 € | £899.99 | \$1,199.99

1.069,99 € (D) | 1.049,99 € (A) | CHF 1'179,00

Springer Reference

Eugene Rosenberg (Editor-in-chief.)

The Prokaryotes

Gammaproteobacteria

- **The most complete resource on the biology of prokaryotes**
- **Represents molecular, applied and general prokaryotic biology, bacterial communities, and human bacteriology**
- **Covers all taxonomic diversity using the family level to delineate chapters**

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Archaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. Technological aspects highlight the usefulness of prokaryotes in processes and products, including biocontrol agents and as genetics tools. The content of the expanded fourth edition is divided into two parts: Part 1 contains review chapters dealing with the most important general concepts in molecular, applied and general prokaryote biology; Part 2 describes the known properties of specific taxonomic groups. Two completely new sections have been added to Part 1: bacterial communities and human bacteriology. The bacterial communities section reflects the growing realization that studies on pure cultures of bacteria have led to an incomplete picture of the microbial world for two fundamental reasons: the vast majority of bacteria in soil, water and associated with biological tissues are currently not culturable, and that an understanding of microbial ecology requires knowledge on how different bacterial species interact with each other in their natural environment. The new section on human microbiology deals with bacteria associated with healthy humans and bacterial pathogenesis. Each of the major human diseases caused by bacteria is reviewed, from identifying the pathogens by classical clinical and non-culturing techniques to the biochemical mechanisms of the disease process. The 4th edition of The Prokaryotes is the most complete resource on the biology of prokaryotes.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

