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**Bergey's Manual of
Systematic
Bacteriology: The
proteobacteria**

May, 18 2024

Williams & Wilkins
Includes a revised taxonomic outline for the phyla Bacteroidetes, Planctomycetes, Chlamydiae, Spirochetes, Fibrobacteres, Fusobacteria, Acidobacteria, Verrucomicrobia, Dictyoglomi, and Gemmatimonadetes based upon the SILVA project as well as a description of more than 153 genera in 29 families. Includes many medically important taxa.

Bergey's Manual of Systematic Bacteriology

Springer

Includes a revised taxonomic outline for the Actinobacteria or the high G+C Gram

positives is based upon the SILVA project as well as a description of greater than 200 genera in 49 families. Includes many medically and industrially important taxa.

Volume One :
The Archaea and the Deeply
Branching and
Phototrophic
Bacteria

Springer
Bacteriologists from all levels of expertise and within all specialties rely on this Manual as one of the most comprehensive and authoritative works. Since publication of the first edition of the Systematics, the field has undergone revolutionary

changes, leading to a phylogenetic classification of prokaryotes based on sequencing of the small ribosomal subunit. The list of validly named species has more than doubled since publication of the first edition, and descriptions of over 2000 new and realigned species are included in this new edition along with more in-depth ecological information about individual taxa and extensive introductory essays by leading authorities in the field.

Bergey's Manual of Systematic Bacteriology

Springer
Covers the nature of bacterial identification schemes, the differentiation of prokaryotic from eucaryotic microorganisms, and major categories and groups of bacteria. Bergey's Manual® of Systematic Bacteriology Springer Science & Business Media
One of the most authoritative works in bacterial taxonomy, this resource has been extensively revised. This five volume second edition has been reorganized along phylogenetic lines to reflect the current state of prokaryotic taxonomy. In addition to the detailed treatments provided

for all of the validly named and well-known species of prokaryotes, this edition includes new ecological information and more extensive introductory chapters. Bergey's Manual of Determinative Bacteriology Springer Volume 2 "The Proteobacteria." (2004) Don J. Brenner, Noel R. Krieg, James T. Staley (Volume Editors), and George M. Garrity (Editor-in-Chief) with contributions from 339 colleagues. The volume provides descriptions of more than 2000 species in 538 genera that are

assigned to the phylum Proteobacteria. This volume is subdivided into three parts. Part A, The Introductory Essays (332 pgs, 76 figures, 37 tables); Part B, The Gamma proteobacteria (1203 pages, 222 figures, and 300 tables); and Part C The Alpha-, Beta-, Delta-, and Epsilon proteobacteria (1256 pages, 512 figures, and 371 tables). The volume on the Proteobacteria culminates a four year effort by Bergey's Manual Trust and more than 150 internationally

recognized authorities to provide a comprehensive view of the Proteobacteria, the largest prokaryotic phylum. At present, there are roughly 6250 named species of Bacteria, and the Proteobacteria represent the single largest phylum. It encompasses 72 families and includes descriptions of 425 genera and over 1875 named species. The Proteobacteria also represent the most metabolically and ecologically diverse group of bacteria and contains many of the clinically

relevant species that are of significance in human, animal and plant health. As a result, this volume caters to the broadest audience, and the set is an essential reference for the microbiologist. The volume is subdivided into three sub-volumes: Introductory chapters (Part A), The Gammaproteobacteria (Part B), and the Alpha-, Beta-, Delta-, and Epsilonproteobacteria. (Part C). Most importantly, medically important species appear in both the B and C sub-volumes.

Bergey's Manual of Systematic Bacteriology Springer Science & Business Media Bacteriologists from all levels of expertise and within all specialties rely on this Manual as one of the most comprehensive and authoritative works. Since publication of the first edition of the Systematics, the field has undergone revolutionary changes, leading to a phylogenetic classification of prokaryotes based on sequencing of the small ribosomal subunit. The list of

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Volume One : The Archaea and the Deeply Branching and Phototrophic Bacteria
Springer

Includes a revised taxonomic outline for the Actinobacteria or the high G+C Gram positives is based

upon the SILVA project as well as a description of greater than 200 genera in 49 families. Includes many medically and industrially important taxa.

Bergey's Manual of Systematic Bacteriology Volume 3: The Firmicutes Bacteriologists from all levels of expertise and within all specialties rely on this Manual as one of the most comprehensive and authoritative works. Since publication of the first edition of the Systematics, the field has undergone revolutionary changes, leading to a phylogenetic classification of prokaryotes based on sequencing of the small ribosomal

subunit. The list of validly named species has more than doubled since publication of the first edition, and descriptions of over 2000 new and realigned species are included in this new edition along with more in-depth ecological information about individual taxa and extensive introductory essays by leading authorities in the field.

Bergey's Manual of Determinative Bacteriology
Springer Science & Business Media
Bacteriologists from all levels of expertise and within all specialties rely on

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Volume One : The Archaea and the Deeply Branching and Phototrophic Bacteria Springer Includes a description of the G ammaproteobacteria (1203 pages, 222 figures, and 300 tables). This large taxon includes many well known medically and environmentally important groups.

Especially notable are the
Enterobacteriaceae,
Aeromonas,
Beggiatoa,
Chromatium,
Legionella,
Nitrococcus,
Oceanospirillum,
Pseudomonas,
Rickettsiella, Vibrio,
Xanthomonas and
155 additional
genera.
Bergey's Manual of
Systematic
Bacteriology: The
Actinobacteria, Part A
Springer
Includes introductory
chapters on
classification of
prokaryotes, the
concept of bacterial
species, numerical and
polyphasic taxonomy,
bacterial
nomenclature and the
etymology of
prokaryotic names,
nucleic acid probes

and their application in
environmental
microbiology, culture
collections, and the
intellectual property of
prokaryotes. The first
Road Map to the
prokaryotes is included
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of the phylogenetic
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systematics.
Bergey's Manual of
Systematic
Bacteriology Springer
Gram-positive cocci;
Endospore-forming
gram-positive rods
and cocci; Regular,
nonsporing, gram-
positive rods;
Irregular, nonsporing,
gram-positive rods;
The mycobacteria;
Nocardioforms.
Volume One : The
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chapters on

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Springer Bacteriologists from all levels of expertise and within all specialties rely on this Manual as one of the most comprehensive and authoritative works. Since publication of the first edition of the *Systematics*, the field has undergone revolutionary changes, leading to a phylogenetic classification of prokaryotes based on sequencing of the small ribosomal subunit. The list of validly named species has more than doubled since publication of the

first edition, and descriptions of over 2000 new and realigned species are included in this new edition along with more in-depth ecological information about individual taxa and extensive introductory essays by leading authorities in the field. *Bergey's Manual® of Systematic Bacteriology* Springer Science & Business Media Includes a description of the Alpha-, Beta-, Delta-, and Epsilonproteobacteria (1256 pages, 512 figures, and 371 tables). This large taxa include many well known

medically and environmentally important groups. Especially notable are Acetobacter, Agrobacterium, Aquospirillum, Brucella, Burkholderia, Caulobacter, Desulfovibrio, Gluconobacter, Hyphomicrobium, Leptothrix, Myxococcus, Neisseria, Paracoccus, Propionibacter, Rhizobium, Rickettsia, Sphingomonas, Thiobacillus, Xanthobacter and 268 additional genera. Bergey's Manual of Systematic Bacteriology: The firmicutes Springer Includes a revised

taxonomic outline for project as well as the phyla Bacteroidetes, Planctomycetes, Chlamydiae, Spirochetes, Fibrobacteres, Fusobacteria, Acidobacteria, Verrucomicrobia, Dictyoglomi, and Gemmatimonadetes based upon the SILVA project as well as a description of more than 153 genera in 29 families. Includes many medically important taxa. Volume Two: The Proteobacteria, Part A Introductory Essays Lippincott Williams & Wilkins Includes a revised taxonomic outline for the Actinobacteria or the high G+C Gram positives is based upon the SILVA

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