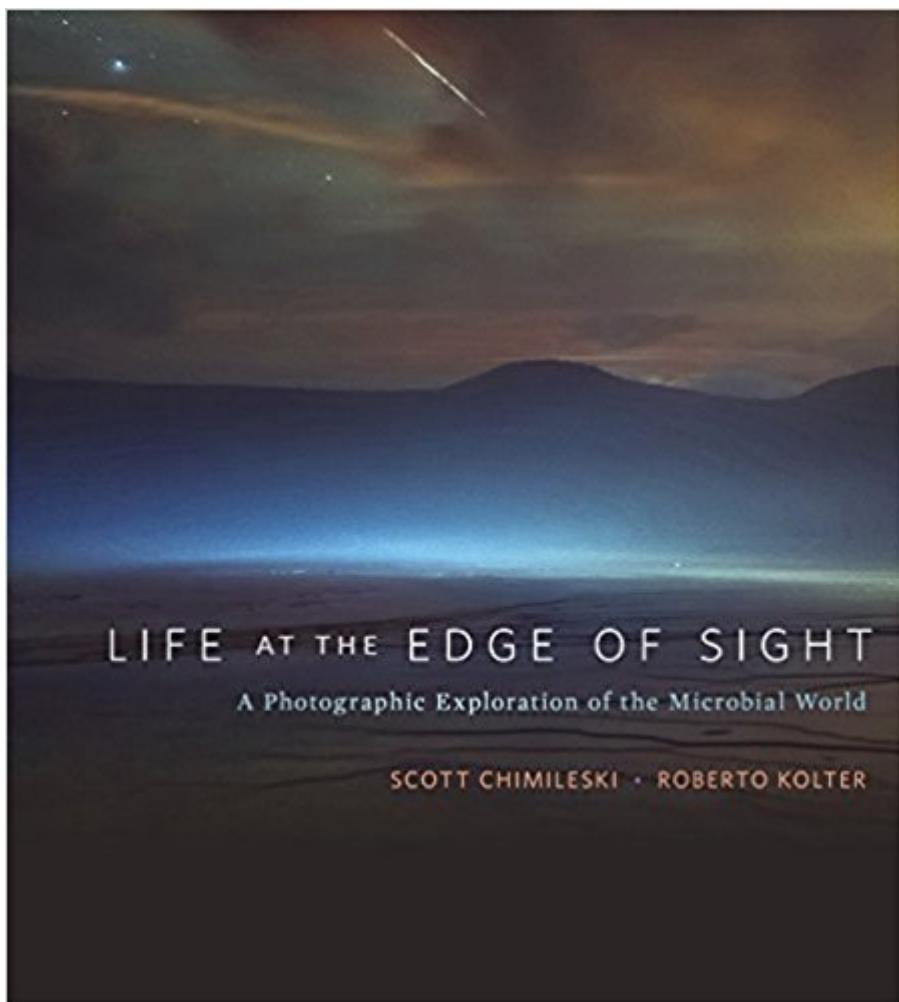


The book was found

Life At The Edge Of Sight: A Photographic Exploration Of The Microbial World



Synopsis

Microbes create medicines, filter waste water, and clean pollution. They give cheese funky flavors, wines complex aromas, and bread a nutty crumb. *Life at the Edge of Sight* is a stunning visual exploration of the inhabitants of an invisible world, from the pioneering findings of a seventeenth-century visionary to magnificent close-ups of the inner workings and cooperative communities of Earth's most prolific organisms. Using cutting-edge imaging technologies, Scott Chimileski and Roberto Kolter lead readers through breakthroughs and unresolved questions scientists hope microbes will answer soon. They explain how microbial studies have clarified the origins of life on Earth, guided thinking about possible life on other planets, unlocked evolutionary mechanisms, and helped explain the functioning of complex ecosystems. Microbes have been harnessed to increase crop yields and promote human health. But equally impressive, *Life at the Edge of Sight* opens a beautiful new frontier for readers to explore through words and images. We learn that there is more microbial biodiversity on a single frond of duckweed floating in a Delft canal than the diversity of plants and animals that biologists find in tropical rainforests. Colonies with millions of microbes can produce an array of pigments that put an artist's palette to shame. The microbial world is ancient and ever-changing, buried in fossils and driven by cellular reactions operating in quadrillionths of a second. All other organisms have evolved within this universe of microbes, yielding intricate beneficial symbioses. With two experts as guides, the invisible microbial world awaits in plain sight.

Book Information

Hardcover: 384 pages

Publisher: Belknap Press: An Imprint of Harvard University Press (September 25, 2017)

Language: English

ISBN-10: 067497591X

ISBN-13: 978-0674975910

Product Dimensions: 5.9 x 0.6 x 8.3 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #78,607 in Books (See Top 100 in Books) #1 in Books > Science & Math > Experiments, Instruments & Measurement > Electron Microscopes & Microscopy #82 in Books > Science & Math > Nature & Ecology > Natural History #136 in Books > Medical Books > Basic Sciences > Microbiology

Customer Reviews

This is a most lovely and profound book about microbes. It is a paean to nature, and to the irrepressible curiosity of those who have explored the obscure byways of our world. Both scholars and armchair enthusiasts will enjoy the journey! (Martin Blaser, author of Missing Microbes)Chimileski and Kolter’s wonderful book tells stories of microbial discovery. It beautifully illustrates the microscopic organisms that have shaped our world. (Richard Lenski, Hannah Distinguished Professor, Michigan State University)Through stories that are both entertaining and scholarly, this delightful book celebrates the wonders and grand reach of the microbial world. The photography is stunning, and will leave any reader an expert or novice with a sense of awe. (Dianne K. Newman, Gordon M. Binder/Amgen Professor of Biology and Geobiology, California Institute of Technology)Life at the Edge of Sight offers an inspired journey into microbiology, biodiversity, symbiosis, evolution, and the origin of life, guided by an eminent scientist and an extraordinary photographer. (Pascale Cossart, Professor and Head of the Bacteria-Cell Interactions Unit, Institut Pasteur)

Scott Chimileski is a photographer and a Research Fellow at Harvard Medical School. He is also a blogger for the American Society for Microbiology. Roberto Kolter is a Professor at Harvard Medical School and Co-Director of Harvard’s Microbial Sciences Initiative. He is also co-blogger at Small Things Considered. Elio Schaechter is Distinguished Professor of Molecular Biology and Microbiology, Emeritus, at Tufts University School of Medicine. He is the coauthor of Mechanisms of Microbial Disease and Physiology of the Bacterial Cell.

[Download to continue reading...](#)

Life at the Edge of Sight: A Photographic Exploration of the Microbial World Sight Words for Kindergarten Coloring Book: Coloring pages with kindergarten sight words to help with sight word practice. (Educational coloring ... and preschoolers with sight word practice) Schaechter’s Mechanisms of Microbial Disease (Mechanisms of Microbial Disease (Schaechter)) Improve Your Sight-reading! Piano, Level 5: A Progressive, Interactive Approach to Sight-reading (Faber Edition: Improve Your Sight-Reading) Improve Your Sight-reading! Piano, Level 1: A Progressive, Interactive Approach to Sight-reading (Faber Edition: Improve Your Sight-Reading) Improve Your Sight-reading! Piano, Level 2: A Progressive, Interactive Approach to Sight-reading (Faber Edition: Improve Your Sight-Reading) The Hidden Half of Nature: The Microbial Roots of Life and Health Living in a Microbial World Play at First Sight: The Ultimate Musician’s Guide to Better

Sight-Reading, Book & CD Sing at First Sight, Bk 1: Foundations in Choral Sight-Singing Improve Your Sight-reading! Bassoon, Grade 1-5: A Workbook for Examinations (Faber Edition: Improve Your Sight-Reading) Sight Reading for the Classical Guitar, Level I-III: Daily Sight Reading Material with Emphasis on Interpretation, Phrasing, Form, and More Perfect Sight Without Glasses - The Cure Of Imperfect Sight By Treatment Without Glasses - Dr. Bates Original, First Book - Natural Vision Improvement: TextBook - Teacher/Student Edition Viola Specimen Sight Reading Tests 6-8 (ABRSM Sight-reading) Sing at First Sight, Bk 2: Foundations in Choral Sight-Singing Sing at First Sight Reproducible Companion, Bk 1: Foundations in Choral Sight-Singing, Book & CD Sing at First Sight . . . More Melodies: Reproducible Exercises for Sight-Singing Practice (Reproducible Book & Data CD) Sing at First Sight, Level 1: Foundations in Choral Sight-Singing Sight Reading Mastery for Bass Guitar: Learn to read music the right way. (Sight Reading for Modern Instruments Book 2) Hidden in Plain Sight: The Simple Link Between Relativity and Quantum Mechanics: Hidden in Plain Sight, Book 1

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)