

1. Record Nr.	UNINA9910144558203321
Titolo	Bacterial responses to pH [[electronic resource] /] / [editors, Derek J. Chadwick and Gail Cardew]
Pubbl/distr/stampa	Chichester ; ; New York, : J. Wiley & Sons, 1999
ISBN	1-282-34813-2 9786612348136 0-470-51563-5 0-470-51564-3
Descrizione fisica	1 online resource (278 p.)
Collana	Novartis Foundation symposium ; ; 221
Altri autori (Persone)	ChadwickDerek CardewGail
Disciplina	579.3
Soggetti	Bacteria Hydrogen-ion concentration Extreme environments - Microbiology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on a symposium held at the Novartis Foundation, London 1-4 June, 1998.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	BACTERIAL RESPONSES TO pH; Contents; Participants; Introduction; Problems of adverse pH and bacterial strategies to combat it; The regulation of intracellular pH in bacteria; pH sensing in bacterial chemotaxis; Inducible acid tolerance mechanisms in enteric bacteria; Acid and base regulation in the proteome of Escherichia coli; Acid tolerance induced by metabolites and secreted proteins, and how tolerance can be counteracted; Acid tolerance in root nodule bacteria; How can acidity? archaea cope with extreme; pH homeostasis in acidophiles The molecular mechanism of regulation of the NhaA NaC/H+ antiporter of Escherichiu coli, a key transporter in the adaptation to Na+ and H+Bacterial energetics at high pH: what happens to the H+ cycle when the extracellular H+ concentration decreases?; Proton ATPases in bacteria: comparison to Escherichia coli FIFO as the prototype; Cation movements at alkaline pH in bacteria growing without respiration; Final

general discussion; Summary; Index of contributors; Subject index

Sommario/riassunto

Microbial responses to acidic and alkaline pH are important in many areas of bacteriology. For example, the mechanisms of resistance to acidic pH are important in the understanding of the passage of human pathogens through the acid of the stomach; and an understanding of microbial degradation of alkaline industrial waste is important for the environment. Bringing together contributions from an international and interdisciplinary group of experts working on the many aspects of bacterial cellular responses to pH, this stimulating volume draws together new and innovative work in this area.

2. Record Nr.	UNINA9910141378203321
Autore	Kuehni Rolf G
Titolo	Color [[electronic resource]] : an introduction to practice and principles // Rolf G. Kuehni
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, 2013
ISBN	1-118-53355-0 1-78539-347-2 1-118-53356-9 1-283-64546-7 1-118-53354-2
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (292 p.)
Disciplina	535.6
Soggetti	Color Color in art
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title page; Copyright page; Contents; Preface; 1: Sources of Color; Light; Incandescence; Blackbody Radiation; Luminescence; Absorption, Reflection, Scattering, and Transmission; Refraction; Interference; Diffraction; Molecular Orbitals; Crystal-Field Colors; Electrical Conductors and Semiconductors; References; 2: What Is Color and How Did We Come to Experience It?; The Opponent Color System; Genetics,

Epigenetics, and the Connectome; What is Color?; References; 3: From Light to Color; Rods and Cones; Color Opponency; References; 4: Color Perception Phenomena; Light as Illuminator
Unrelated and Related Colors
Lightness and Related Effects; Helmholtz-Kohlrausch Effect; Lightness Crispening Effect; Hue; Bezold-Brucke and Abney Effects; Chroma; Grayness; Additive and Subtractive Stimulus Mixture: Complementary Colors; Adaptation; Color Constancy; Metamerism; Simultaneous and Successive Contrast: Afterimages; Spreading and Edge Effects: Mach Bands; Volume Colors, Transparency, and Translucency; Metallic Colors; References; 5: Orderly Arrangements of Color; Ordering of Color Percepts; Levels of Color Order; Kinds of Color Order
Uniform Difference Unit Contours in Euclidean Color Space
Impact of Crispening Effect on Color Difference Perception; Observer Variability; Color Space and Color Solid; Kinds of Color Solids; Color Solid Sampling with Equal or Varied Intervals of Stimulus; Swedish Natural Colour System (NCS); Munsell Color System; Optical Society of America Uniform Color Scales (OSA-UCS); Other Color-Order Systems; Color Stimulus Solids; Color Naming; References; 6: Defining the Color Stimulus; Matching Stimuli; The CIE Colorimetric System; The CIE Chromaticity Diagram; Optimal Object Color (Stimulus) Solid
References
7: Calculating Color; Modeling Global Color Space; Small Color Differences; References; 8: Colorants and Their Mixture; Dyes; Pigments; Colorimetric Properties of Colorants; Colorant Mixtures; Special Colorants; Fluorescent Colorants; Metallic, Pearlescent, and Interference Flakes; References; 9: Color Reproduction; Basic Processes in Color Reproduction; Color Television and Other Displays; Graphic Printing; Dyeing and Printing of Textiles and Paper, Coloring with Pigments and Paints, and other Coloration Techniques; Color Management; Colorant Formulation and Color Control
References
10: The Web of Color; Greek Ideas on Color; Medieval and Renaissance Thought on Color; The Revolution of the Prism; Physics and Psychology; Color Order in the Twentieth Century; Color Technology and Color Science; Color in Language; References; 11: Color (Theory) in Art; The Renaissance; From the Seventeenth to the Nineteenth Centuries; Twentieth Century; Optical and Psychological Effects in Painting; References; 12: Harmony of Colors; Color in Fashion; Color and Music; Complementary Colors; Complex Rules of Harmony; Create Your Own Harmonies; References
Appendix: Timetable of Color in Science and Art

Sommario/riassunto

The one-stop reference to the essentials of color science and technology—now fully updated and revised. The fully updated Third Edition of *Color: An Introduction to Practice and Principles* continues to provide a truly comprehensive, non-mathematical introduction to color science, complete with historical, philosophical, and art-related topics. Geared to non-specialists and experts alike, *Color* clearly explains key technical concepts concerning light, human vision, and color perception phenomena. It covers color order systems in depth, examines color reproduct
