



Advances in applied microbiology.

Perlman, D. (1920-)

Academic Press, 1978

Electronic books

Monografía

ADVANCES IN APPLIED MICROBIOLOGY VOL 23

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjU5NzYxMjQ>

Título: Advances in applied microbiology. Volume 23 [electronic resource] edited by D. Perlman

Editorial: New York London Academic Press 1978

Descripción física: 1 online resource (313 p.)

Mención de serie: Advances in applied microbiology v. 23

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographical references and index

Contenido: Front Cover; Advances in Applied Microbiology, Volume 23; Copyright Page; Contents; List of Contributors; Chapter 1. Biology of *Bacillus popilliae*; I. Introduction; II. Taxonomy and Classification; III. Nutrition; IV. Growth Characteristics; V. Metabolism; VI. Strain Variation, Sporogenicity, and Germination; VII. Pathology; VIII. Summary; References; Chapter 2. Production of Microbial Polysaccharides; I. Introduction; II. Xanthan Gum; III. *Arthrobacter* Polysaccharides; IV. Microbial Alginic Acids; V. Succinoglucon and Curdlan; VI. Other Bacterial Polysaccharides VII. Phosphomannans and Mannans VIII. *Cryptococcus* Heteropolysaccharide; IX. "Black Yeast" Polysaccharides; X. Pullulan; XI. Polysaccharides from Hydrocarbons and Low-Molecular-Weight Petrochemical Substrates; XII. Concluding Remarks; References; Chapter 3. Effects of Cadmium on the Biota: Influence of Environmental Factors; I. Introduction; II. Sources of Cadmium; III. Cadmium Chemistry and Environmental Implications; IV. Cadmium Biochemistry; V. Effects of Cadmium on Human Beings; VI. Effects of Cadmium on Experimental Animals; VII. Effects of Cadmium on Plants VIII. Effects of Cadmium on Microorganisms and Viruses IX. Effects of Cadmium on Microbial Ecology; X. Concluding Remarks; References; Chapter 4. Microbial Utilization of Straw (A Review); I. Introduction; II. Characteristics of Straw; III. Feed Value of Rice Straw; IV. Treatment of Straw to Improve Digestibility; V. Current Utilization Approaches; VI. Conclusion; References; Chapter 5. The Slow-Growing Pigmented Water Bacteria: Problems and Sources; I. Introduction; II. Isolation and Cultivation; III. Identification; IV. Sources of Pigmented Slow-Growing Water Bacteria V. Infection Hazards with Pigmented Water Bacteria VI. Discussion; VII. Surveillance; VIII. Preventive

Maintenance; References; Chapter 6. The Biodegradation of Polyethylene Glycols; I. Introduction; II. Structure of Glycols and Polyethylene Glycols; III. Biodegradation of Glycols and Polyethylene Glycols; IV. Biochemical Routes for Degradation of Glycols; V. Nonbiological Degradation of Polyethylene Glycols; VI. Summary and Conclusions; References; Chapter 7. Introduction to Injury and Repair of Microbial Cells; I. Introduction; II. Definitions; III. Stresses; IV. Microorganisms V. Influential Factors VI. Conclusion; References; Chapter 8. Injury and Recovery of Yeasts and Mold; I. Introduction; II. Thermal Injury; III. Low-Temperature Injury; IV. Areas for Future Study; V. Conclusions; References; Chapter 9. Injury and Repair of Gram-Negative Bacteria, with Special Consideration of the Involvement of the Cytoplasmic Membrane; I. Introduction; II. Membrane Structure; III. Elevated Temperature; IV. Reduced Temperature; V. Osmotic Injury; VI. Chemical Injury; VII. Light Damage; VIII. Summary; References; Chapter 10. Heat Injury of Bacterial Spores; I. Introduction II. Stages in the Development of a Growing Culture from a Spore

Lengua: English

ISBN: 1-281-73817-4 9786611738174 0-08-056437-2

Materia: Industrial microbiology Microbial polysaccharides

Autores: Perlman, D. (1920-)

Enlace a serie principal: Advances in applied microbiology (CKB)954926956842 (DLC)59013823 (OCoLC)1461144

Enlace a formato físico adicional: 0-12-002623-6

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es