



BRAZILIAN JOURNAL OF MICROBIOLOGY

Bacterial Fermentation

Biosynthesis and bioconversion of natural products, including antibiotics, xenobiotics, and macromolecules produced by bacteria.

Molecular aspects of bacterial biotechnology

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Fungal Fermentation

Biosynthesis and bioconversion of natural products, including antibiotics, xenobiotics, and macromolecules produced by fungi

Molecular aspects of fungal biotechnology

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Enzymology

Purification and Characterization of enzymes

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Food Microbiology Technology

Applications of microorganisms (bacteria and fungi) for food production

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Food Safety and Quality

Food borne diseases, food spoilage, and microbial ecology in foods

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Bacterial Pathogenesis

The genetic, biochemical, and structural basis of bacterial pathogenesis

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Fungal Pathogenesis

The genetic, biochemical, and structural basis of pathogenesis of fungi

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Clinical Microbiology

Bacteriology

Studies of medically-important bacteria

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Micology

Studies of medically-important fungi

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Microbial Ecology

Ecology of natural microbial assemblages, microbial diversity of natural environments such as water, soil, sediments and higher organisms.

Microbial interactions.

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Biotechnology

Environmental aspects of public health

Biodegradation

Bioremediation

Environmental considerations for genetically engineered microorganisms

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Fungal Physiology

Fungal biochemistry, biophysics, metabolism, cell structure, stress response, growth, differentiation and other related process

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Bacterial Physiology

Fungal biochemistry, biophysics, metabolism, cell structure, stress response, growth, differentiation and other related process

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Genetics and Molecular Biology

Fungi

Fungal genetics, molecular biology, gene regulation, DNA replication and repair, genomics, proteomics, transcriptomics

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Bacteria

Bacterial genetics, molecular biology, gene regulation, DNA replication and repair, genomics, proteomics, transcriptomics

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Virus

Viral genetics, molecular biology, gene regulation, DNA replication and repair, genomics, proteomics, transcriptomics

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Veterinary Microbiology

Diseases of animals

Control and/or treatment of animals

Animal pathogen diagnostics

Veterinary or zoonotic pathogens

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