

## Lecture 15: Microbial Biotechnology

Microbial biotechnology is the use of microorganisms to produce products or services that are beneficial to humans. Microbial biotechnology is a rapidly growing field of research, as it has the potential to address a wide range of challenges, such as food production, environmental remediation, and human health.

### Products of Microbial Biotechnology

Microorganisms can be used to produce a wide range of products, including:

- Food and beverages, such as beer, wine, and yogurt
- Antibiotics and other drugs
- Chemicals, such as enzymes and biofuels
- Fertilizers and pesticides
- Bioremediation agents, which can be used to clean up environmental pollutants

### Services of Microbial Biotechnology

Microorganisms can also be used to provide a variety of services, such as:

- Decomposing organic matter and recycling nutrients
- Improving crop yields
- Controlling pests and diseases
- Providing a source of renewable energy

### The Future of Microbial Biotechnology

Microbial biotechnology is a rapidly growing field of research, and it has the potential to address a wide range of challenges. As we learn more about microorganisms, we will be better able to use them to benefit society.

### Questions and Answers

Q: What is microbial biotechnology?

A: Microbial biotechnology is the use of microorganisms to produce products or services that are beneficial to humans.

# Microbial Biotechnology Lecture Notes Pdf

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