Biotechnology fo Global Health: Add essing Challenges with Innovative Sol **tions**

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Abstract

Biotechnology plays a pivotal role in addressing global health challenges through innovative solutions. This article explores the transformative impact of biotechnological advancements in combating infectious diseases, enhancing agricultural productivity, advancing personalized medicine, promoting environmental sustainability, and reducing global health disparities. It discusses the ethical considerations and future directions of biotechnology in improving healthcare delivery worldwide.

Keywords:

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Introduction

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Harnessing biotechnology to combat infectious diseases

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Improving agricultural productivity and food security

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Personalized medicine and targeted therapies

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Biotechnology in environmental sustainability

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Addressing global health disparities

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Challenges and ethical considerations

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Future directions

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Ethical considerations and regulatory frameworks

Future directions and challenges

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Conclusion

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