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Chapter

## Bioinformatics

### A Tool for Biotechnological Advancement 1

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#### ABSTRACT

Bioinformatics has been a useful tool for the advancement and enhancement of biotechnology in recent times with its application in various fields. Bioinformatics has thereby helped invent useful products and create solutions to problems in aspects including utilization of the genome attributes of various living organisms to acquire a better understanding of their biology. It has been used to understand the biology of

pathogenic microorganism's product developments such as reverse vaccinology, drug discovery, personalized medicine, waste clean-up, climate change, and crop improvement. We highlight, in the section, some of the bioinformatics components of biotechnology that are used for translational research in the life sciences.

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