



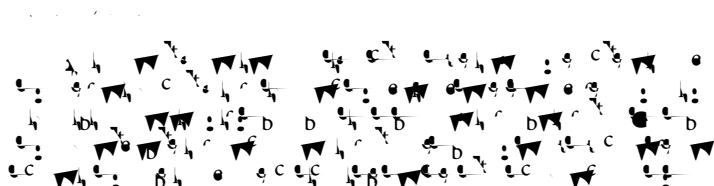
Drugs of the Next Generation: Biopharmaceuticals

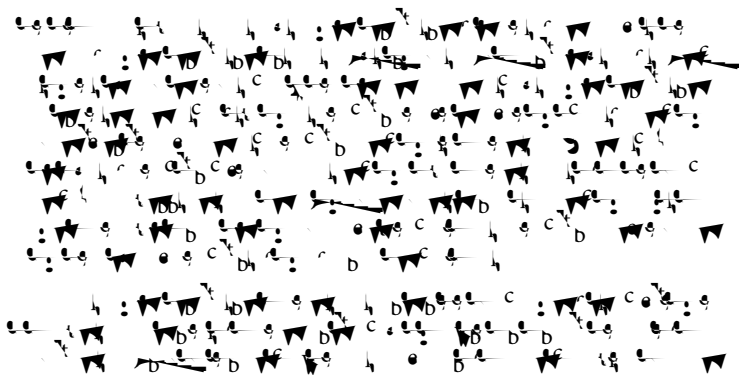
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Abstract

Biopharmaceuticals is largely interdisciplinary in nature and involves several subjects similar as drug, factory wisdom, biotechnology, crop wisdom, and natural product chemistry and indeed engineering. Biopharmaceuticals or medicines deduced from the natural sources find its roots in the traditional microbial processes. Further than three decades ago the recombinant DNA technology and hybridomatechnology were developed using microbes and introduced to the pharmaceutical world. These technologies enabled large scale product of biopharmaceuticals. Biopharmaceutical assiduity began in the time 1980 and the Escherichia coli played an important part in the artificial product of recombinant proteins and plasmid DNA for colorful remedial operations. The manufacturing of the biopharmaceutical products advanced a great deal to the extent of product of designed recombinant proteins and development of viral vector gene curatives for long term operation of complaint with implicit to indeed cure. In fact further than thirty to sixty percent of biopharmaceutical products were deduced from Escherichia coli.





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