

Role of Biotechnology on Pharmaceutical Inventions: An Analysis

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Abstract : Biotechnology is a study relating to the practical application of living beings in different fields. Generally, it is a study with regard to living organisms in the industrial utilization. It is the technology, which uses living organisms or its parts for specific commercial use. Modification and application of living beings for different practical purposes is possible through biotechnology. Furthermore, today biotechnology is being used in different fields for better results. It is worthwhile to note here that biotechnology is one of the most innovative and intensive industries. It has used the genetically based characteristics in microorganisms, plants and animals to create drugs and to develop drug therapies, which may prevent, cure or alleviate disease and their symptoms. Drugs are basically chemicals and while patenting drugs, the conditions of patentability of chemicals and the types that can be patented are equally applicable to drugs also. Nowadays, the role of biotechnology for manufacturing drugs has assumed much importance because of intellectual property rights. By way using biotechnology, most of the pharmaceutical inventions are getting protection for the period of 20 years as per the Patents Act, 1970 as amended in 2005. There is no doubt that biotechnology is serving the public at large with regard manufacturing drugs and helping the needy people on time.

Keywords : biotechnology, drugs, intellectual property rights, patents

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