

TD 04 Life sciences and socio-economic impact One hope is that green biotechnology might produce more environmentally friendly solutions than traditional industrial agriculture, although this is still a topic of considerable debate. Bioinformatics plays a key role in various areas, such as functional genomics, structural genomics, and proteomics, and forms a key component in the biotechnology and pharmaceutical sector. In conclusion biotechnology can be referred to any technological application that uses biological systems, living organisms, or derivatives thereof, to make or modify products or processes for specific use. Some examples are the designing of organisms to produce antibiotics, and the engineering of genetic cures through genetic manipulation.