



1st ed. 2020, XIX, 388 p. 50 illus., 42 illus. in color.

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The current era of incredible innovations has made science and technology one of the most powerful tools to meet the goals of incremental prosperity for humans and sustainable development. The development of the biotech industry in any given country is shaped by the characteristics of the technology—particularly its close relation to scientific knowledge—and by country-specific factors—the level and nature of the scientific knowledge base, the institutional set-up, and the role assumed by the government—which influence the country's ability to exploit new opportunities and appropriate the respective results. This book presents an integrated approach for sustained innovation in various areas of biotechnology. Focusing mainly on the industrial, socio-economic and legal implications of biotechnological advances, it examines in detail not only the implications of IPR in omics-based research but also the ethical and intellectual standards and how these can be developed for sustained innovation. Integrating science and business, it offers a peek behind the scenes of the biotech industry and provides a comprehensive analysis of the foundations of the present day industry for students and professionals alike. The book is divided into three parts: Food and Agricultural Biotechnology Industrial Biotechnology Pharmaceutical Biotechnology

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