Comparative Approaches to Biotechnology Development and Use in Developed and Emerging Nations

Table of Contents

Chapter 1: Nutraceutical Industry with the Collaboration of Biotechnology and Nutrigenomics Engineering: The Significance of Intellectual Property in the Entrepreneurship and Scientific Research Ecosystems
Tomas Gabriel Bas, University of Talca, Chile

Chapter 2: Bioinformatics: The Convergence between Biotechnology and ITC Impacts on the Productive Sector
Jorge E. Niosi, UQAM, Canada

Chapter 3: Influence of Star Bioscientists on Obtaining Venture Capital for Canadian Dedicated Biotechnology Firms
Johanne Queenton, University of Shebrooke, Canada
Sophie Veilleux, Université Laval

Chapter 4: A Romance of the Three Kingdoms-Biotechnology Clusters in Beijing, Shanghai and Guangdong Province, China
Petr Hanel, Université de Sherbrooke, Canada
Jie Hie, Université de Sherbrooke, Canada
Jingyan Fu, Jinan University, China
Susan E. Reid, Bishop’s University, Canada
Jorge E. Niosi, Université de Quebec à Montréal, Canada

Chapter 5: Is Collaboration Important at All Stages of the Biotechnology Product Development Process?
Catherine Beaudry, Polytechnique Montreal, Canada

Chapter 6: Entrepreneurial Approach to Biotechnology Policies and Development in India
Neeta Baporikar, HP-GSP, Namibia University of Science and Technology, Namibia; University of Pune, India

Chapter 7: Institutions as Enablers of Science-Based Industries: The Case of Biotechnology in Mexico
Marcia Villasana, Technologico de Monterrey, Mexico

Chapter 8: A New Tool for Supporting Innovation in Biotech Co-Innovation and the Role of Economic Developers
Marina Frangioni, Bishop’s University, Canada

Chapter 9: The Turkish Biotechnology System: Functioning or Malfunctioning?
Dilek Cetindamar, Sabanci University, Turkey
Chapter 10: Importance of Biotechnology in the Development of Functional Foods in Emerging Countries: The Case of Chile
Carolina Alejandra Oliu, University of Talca, Chile

Chapter 11: What Influences the Growth of Canadian Biotechnology Firms?
Catherine Beaudry, Polytechnique Montreal, Canada
Joël Levasseur, Polytechnique Montreal, Canada

Rakhi Rashmi, London School of Business and Finance, UK

Chapter 13: Collaboration, Innovation, and Funding as Survival Factors for Canadian Biotechnology SMEs
Catherine Beaudry, Polytechnique Montreal, Canada
Joël Levasseur, Polytechnique Montreal, Canada

Chapter 14: The Competitive and Comparative Advantages Effectively Fostered by National Innovation Systems: An Exploratory Study
Silvia Ivonee Ponce, HEC Montreal, Canada
Mauricio Poblete Bustamante, Universidad Catolica del Maule, Chile
Tomas Gabriel Bas, Universidad de Talca, Chile

Chapter 15: Regional Innovation Pattern: A Case of Beijing Biopharmaceutical Industrial Clusters
Jingyuan Zhao, University of Toronto, Canada

Chapter 16: Is China Catching up Health–Related Applications of Biotechnology?
Petr Hanel, Université de Sherbrooke, Canada