# Brief Contents

**ABOUT THE AUTHORS**  v  
**PREFACE TO THE SIXTH EDITION**  vii  
**HOW TO USE THIS BOOK: KEY FEATURES**  ix  

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Innovation – What It Is and Why It Matters</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Innovation as a Core Business Process</td>
<td>48</td>
</tr>
<tr>
<td>3</td>
<td>Building the Innovative Organization</td>
<td>89</td>
</tr>
<tr>
<td>4</td>
<td>Developing an Innovation Strategy</td>
<td>139</td>
</tr>
<tr>
<td>5</td>
<td>Sources of Innovation</td>
<td>190</td>
</tr>
<tr>
<td>6</td>
<td>Search Strategies for Innovation</td>
<td>226</td>
</tr>
<tr>
<td>7</td>
<td>Innovation Networks</td>
<td>255</td>
</tr>
<tr>
<td>8</td>
<td>Decision Making Under Uncertainty</td>
<td>281</td>
</tr>
<tr>
<td>9</td>
<td>Making the Innovation Case</td>
<td>306</td>
</tr>
<tr>
<td>10</td>
<td>Creating New Products and Services</td>
<td>347</td>
</tr>
<tr>
<td>11</td>
<td>Exploiting Open Innovation and Collaboration</td>
<td>394</td>
</tr>
<tr>
<td>12</td>
<td>Promoting Entrepreneurship and New Ventures</td>
<td>436</td>
</tr>
<tr>
<td>13</td>
<td>Capturing the Business Value of Innovation</td>
<td>493</td>
</tr>
<tr>
<td>14</td>
<td>Capturing Social Value</td>
<td>531</td>
</tr>
<tr>
<td>15</td>
<td>Capturing Learning from Innovation</td>
<td>554</td>
</tr>
</tbody>
</table>

**INDEX**  577
Contents

ABOUT THE AUTHORS v
PREFACE TO THE SIXTH EDITION vii
HOW TO USE THIS BOOK: KEY FEATURES ix

1 Innovation – What It Is and Why It Matters 1

1.1 The Importance of Innovation 1
1.2 Innovation is Not Just High Technology 3
1.3 It’s Not Just Products . . . 6
1.4 Innovation and Entrepreneurship 7
1.5 Strategic Advantage Through Innovation 9
1.6 Old Question, New Context 14
1.7 What Is Innovation? 15
1.8 A Process View of Innovation 19
1.9 Innovation Scopes and Types 20
1.10 Key Aspects of Innovation 26
1.11 Innovation Management 40
Summary 44
Further Reading 44
Case Studies 46
References 46

2 Innovation as a Core Business Process 48

2.1 Different Circumstances, Similar Management 49
2.2 Services and Innovation 50
2.3 Variations on a Theme 55
2.4 A Contingency Model of the Innovation Process 63
2.5 Evolving Models of the Process 64
2.6 Can We Manage Innovation? 67
2.7 Learning to Manage Innovation 70
2.8 What Do We Know About Successful Innovation Management? 73
2.9 Beyond the Steady State 83
Summary 84
Further Reading 84
Case Studies 85
References 85

3 Building the Innovative Organization 89

3.1 Shared Vision, Leadership, and the Will to Innovate 91
3.2 Appropriate Organizational Structure 96
3.3 Key Individuals 100
3.4 High Involvement in Innovation 103
3.5 A Roadmap for the Journey 108
3.6 Effective Team Working 111
3.7 Creative Climate 117
3.8 Boundary-Spanning 131
Summary 134
Further Reading 134
Case Study 135
References 135

4 Developing an Innovation Strategy 139

4.1 “Rationalist” or “Incrementalist” Strategies for Innovation? 140
4.2 Innovation “Leadership” versus “Followership” 147
4.3 The Dynamic Capabilities of Firms 150
4.4 Appropriating the Benefits from Innovation 156
4.5 Exploiting Technological Trajectories 161
4.6 Developing Firm-specific Competencies 164
4.7 Globalization of Innovation 175
4.8 Enabling Strategy Making 180
Summary 184
Further Reading 184
Case Studies 185
References 185

5 Sources of Innovation 190

5.1 Where Do Innovations Come From? 190
5.2 Knowledge Push 191
5.3 Need Pull 193
5.4 Making Processes Better 196
## Contents

10.7 Implementing Complex Products 380
10.8 Service Innovation 383
Summary 390
Further Reading 391
Case Studies 391
References 392

11 Exploiting Open Innovation and Collaboration 394

11.1 Joint Ventures and Alliances 394
11.2 Forms of Collaboration 399
11.3 Patterns of Collaboration 402
11.4 Influence of Technology and Organization 404
11.5 Collaborating with Suppliers to Innovate 417
11.6 User-led Innovation 422
11.7 Extreme Users 424
11.8 Benefits and Limits of Open Innovation 428
Summary 431
Further Reading 431
Case Studies 432
References 432

12 Promoting Entrepreneurship and New Ventures 436

12.1 Ventures, Defined 436
12.2 Internal Corporate Venturing 448
12.3 Managing Corporate Ventures 455
12.4 Assessing New Ventures 459
12.5 Spin-outs and New Ventures 469
12.6 University Incubators 471
12.7 Growth and Performance of Innovative Small Firms 479
Summary 487
Further Reading 488
Case Studies 489
References 489

13 Capturing the Business Value of Innovation 493

13.1 Creating Value through Innovation 493
13.2 Innovation and Firm Performance 498
13.3 Exploiting Knowledge and Intellectual Property 502
13.4 Sharing and Distributing Knowledge 508
13.5 Exploiting Intellectual Property 513
13.6 Business Models and Value Capture 521
13.7 Dynamics of Generative Interaction 525
Summary 527
Further Reading 527
Case Studies 528
References 528

14 Capturing Social Value 531

14.1 Building BRICs – The Rise of New Players on the Innovation Stage 531
14.2 Innovation and Social Change 536
14.3 The Challenge of Sustainability-led Innovation 542
14.4 A Framework Model for Sustainability-led Innovation 543
14.5 Responsible Innovation 548
Summary 552
Further Reading 552
Case Studies 553
References 553

15 Capturing Learning from Innovation 554

15.1 What We Have Learned About Managing Innovation 554
15.2 How to Build Dynamic Capability 556
15.3 How to Manage Innovation 557
15.4 The Importance of Failure 559
15.5 Tools to Help Capture Learning 560
15.6 Innovation Auditing 563
15.7 Measuring Innovation Performance 564
15.8 Measuring Innovation Management Capability 565
15.9 Reflections 567
15.10 Developing Innovation Capability 572
15.11 Final Thoughts 574
Summary 575
Further Reading 575
Case Studies 575
References 575

INDEX 577