

Contents

Acknowledgement	2
Contents	4
Executive Summary	6
India at a Glance	9
Introduction	11
CHAPTER 1: Output, Growth, Impact, and Excellence	17
1.1 Key Findings	19
1.2 Output	21
1.3 Citations	27
1.4 Field-weighted Citation Impact	31
1.5 Excellence	37
CHAPTER 2: Collaboration	45
2.1 Key Findings	47
2.2 Collaboration Types	49
2.3 Collaboration Network	53
2.4 Collaboration Partners	57
CHAPTER 3: Knowledge Transfer	59
3.1 Key Findings	61
3.2 Patent Citations	63
3.3 Academic-corporate Collaboration	69
CHAPTER 4: Top 30 Indian Academic Institutions	73
4.1 Key Findings	75
4.2 Publications	77
4.3 Citations	83
4.4 Citations per Paper	85
4.5 H-index	87
CHAPTER 5: Indian Researchers	89
5.1 Key Findings	91
5.2 Active Researchers	93
5.3 Performance of Active Researchers	97
CHAPTER 6: Top 10 Publications with Indian Affiliation	107
6.1 Key Findings	109
6.2 Top 10 Publications with Indian Affiliation	111
APPENDIX A: Chapter 1 Supplements	129
A-1 Publication Output Tables	129
A-2 Publication Output Shares Tables	138
A-3 Citation Tables	139

A-4 Citation Shares Tables	148
A-5 FWCI Tables	149
A-6 Highly Cited Publication Output Tables	158
A-7 Highly Cited Publication Output Shares Tables	166
APPENDIX B: Chapter 2 Supplements	175
B-1 Collaboration Type Charts	175
B-2 International Collaboration Tables	184
B-3 International Collaboration Shares Tables	192
B-4 International Collaboration FWCI Tables	194
B-5 India's Collaboration Matrices by Subject Area	202
APPENDIX C: Chapter 3 Supplements	211
C-1 Patent Citations Tables	211
C-2 Patent Citations Shares Tables	220
C-3 Academic-Corporate Collaboration Tables	221
C-4 Academic-Corporate Collaboration Shares Tables	230
APPENDIX D: Chapter 4 Supplements	233
D-1 Top 100 Institutions: Overview	233
D-2 Top 30 Institutions: Subject Area Shares	236
D-3 Top 30 Institutions: Citations and Distribution	240
D-4 Top 30 Institutions: H-index	244
APPENDIX E: Chapter 5 Supplements	247
E-1 Researchers: Active Researchers	247
E-2 Researchers: Publications per Active Researcher	248
E-3 Researchers: Research Performance	250
E-4 Researchers: Top 10 Overall and per Subject Area	251
APPENDIX F: Publications by SNIP Decile	261
APPENDIX G: Indian Journals in Scopus	271
G-1 Coverage of Indian Journals in Scopus	271
G-2 Indian Journals in Scopus	272
APPENDIX H: Countries, Benchmarks, and Collaborators	285
H-1 Comparator Countries and Benchmarks	285
H-2 Collaborating Countries from Chapter 2	285
APPENDIX I: Subject Classification	287
APPENDIX J: Glossary of Terms	289
Authors	291
Notes	292