# Content

1 **Introduction**
   1.1 Preamble 9
   1.2 Primary research question 9
   1.3 Theoretical framework 10
   1.4 Sub-Questions 14
   1.5 Selected case studies 14
   1.6 Methods used 16
   1.7 Introduction to chapters 17
   1.8 References 19

2 **Author Disambiguation Using Multi-Aspect Similarity Indicators**
   2.1 Introduction 22
   2.2 Previous work 23
   2.3 Data selection and discarding of records 24
   2.4 Data and Method 24
   2.5 Results 29
   2.6 Discussion and conclusions 34
   2.7 References 36

3 **Analysing Knowledge Capture Mechanisms:**
   **Methods and a Stylised Bioventure Case Study**
   3.1 Introduction 39
   3.2 Conceptual framework 40
   3.3 Previous work 44
   3.4 Data and Method 46
   3.5 Proof of concept 48
   3.6 Summary and conclusion 55
   3.7 References 56

4 **Knowledge Network Influences on the Development of Drug Discovery Technologies:**
   **A Longitudinal Case Study**
   4.1 Introduction 59
   4.2 Conceptual Framework 60
   4.3 Knowledge utilisation 63
   4.4 Case study selection and history of Japanese biotechnology 65
   4.5 Method 67
   4.6 Results 69
   4.7 Summary and conclusion 83
   4.8 References 85