## **Contents**

| Pro | Preface  |    |
|-----|--|----|
|     | PART I: FUNDAMENTAL ELEMENTS IN RESEARCH               |    |
| 1.  | Research and Its Role in Early Childhood Education     | 3  |
|     | Defining Research and Its Linkages                     | 5  |
|     | The Value of Conducting and Understanding Research     | 6  |
|     | The Nature of Research in Early Childhood Education    | 9  |
|     | Plan of the Book                                       | 13 |
| 2.  | An Overview of the Research Endeavor                   | 15 |
|     | The Research Process—In General                        | 15 |
|     | Types of Research                                      | 18 |
|     | Key Components of Research Studies                     | 21 |
|     | Sampling and Site Selection                            | 26 |
|     | Summary  | 29 |
|     | PART II: QUANTITATIVE RESEARCH                         |    |
| 3.  | Types of Quantitative Research                         | 33 |
|     | Descriptive Research: Survey and Developmental         | 33 |
|     | Correlational Research                                 | 38 |
|     | Causal-Comparative Research                            | 42 |
|     | Experimental Research                                  | 46 |
|     | Single-Subject Research                                | 62 |
|     | Critiquing Quantitative Research                       | 65 |
|     | Summary  | 71 |
| 4.  | Measurement and Data Analysis in Quantitative Research | 73 |
|     | Basic Measurement Terms, Concepts, and Issues          | 73 |
|     | Types of Measure                                       | 82 |

| vi         |   | Contents                        |
|------------|---|---------------------------------|
|            | Considerations in the Selection of Instruments<br>Data-Analysis Techniques<br>Summary   | 88<br>90<br>104                 |
|            | PART III: QUALITATIVE RESEARCH  |                                 |
| 5.         | Types of Qualitative Research   | 107                             |
|            | Ethnographic Research<br>Analytical Research<br>Summary   | 107<br>123<br>128               |
| 6.         | Data Collection and Data Analysis in Qualitative Research   | 130                             |
|            | Typical Data-Collection Strategies<br>Reliability and Validity<br>Data Analysis<br>Critiquing Qualitative Research<br>Summary | 130<br>138<br>142<br>150<br>152 |
|            | PART IV: SYNTHESIS  |                                 |
| 7.         | Integrating Quantitative and Qualitative Research   | 157                             |
|            | Qualitative Versus Quantitative or Qualitative and Quantitative Qualitative and Quantitative Research:                        | 157                             |
|            | To Be or Not to Be Combined Similarities and Complementarities Between Qualitative  | 161                             |
|            | and Quantitative Research   | 163                             |
|            | Combined Qualitative and Quantitative Research Designs Research Examples Combining Qualitative                                | 168                             |
|            | and Quantitative Approaches   | 170                             |
|            | Epilogue  | 173                             |
| References |   | 177                             |
| Index      |   | 191                             |
| ۸h         | About the Authors   |                                 |