

## Thesis Index

<b>Chapter 1</b> .....	<b>8</b>
Introduction .....	8
Research Significance .....	9
Structure of the Dissertation .....	11
<b>Chapter 2</b> .....	<b>13</b>
Material and Methods .....	13
<b>Chapter 3</b> .....	<b>15</b>
Findings of the Dissertation .....	15
<b>Chapter 4</b> .....	<b>17</b>
Conclusion .....	17
<b>References</b> .....	<b>19</b>
<b>Chapter 5</b> .....	<b>21</b>
Research Articles .....	21
Article 1 .....	22
Article 2 .....	39
Article 3 .....	55