

<b>CHAPTER 1</b>	<b>9</b>
General Introduction	11
<b>CHAPTER 2</b>	<b>19</b>
Comparison of reproduction characteristics and broodstock mortality in farmed and wild Eurasian perch ( <i>Perca fluviatilis</i> L.) females during spawning season under controlled conditions	21
<b>CHAPTER 3</b>	<b>29</b>
Comparison on the effect of four anaesthetics on haematological and blood biochemical profiles in pikeperch ( <i>Sander lucioperca</i> L.)	31
<b>CHAPTER 4</b>	<b>37</b>
Artificial and semiartificial spawning in Eurasian perch ( <i>Perca fluviatilis</i> L.) use for mass embryo production	39
<b>CHAPTER 5</b>	<b>59</b>
Hormonal induction of ovulation in pikeperch ( <i>Sander lucioperca</i> L.) using human chorionic gonadotropin (hCG) and mammalian GnRH analogue	61
<b>CHAPTER 6</b>	<b>69</b>
Sperm morphology, fine structure and motility in pikeperch, <i>Sander lucioperca</i> (Percidae, Teleostei) using different activation media	71
<b>CHAPTER 7</b>	<b>85</b>
Alcalase treatment for elimination of stickiness in pikeperch ( <i>Sander lucioperca</i> L.) eggs	87
<b>CHAPTER 8</b>	<b>95</b>
General Discussion	97
English Summary	104
Czech summary	106
Acknowledgements	108
List of Publications	109
Training and Supervision Plan during Study	112
<i>Curriculum Vitae</i>	114