

<b>CHAPTER 1</b>	<b>7</b>
General introduction	
<b>CHAPTER 2</b>	<b>29</b>
Evaluation of different feeding frequencies in RAS-based juvenile pikeperch ( <i>Sander lucioperca</i> ) aquaculture	
<b>CHAPTER 3</b>	<b>37</b>
Influence of daily ration on growth and condition of juvenile pikeperch ( <i>Sander lucioperca</i> ) reared in a recirculating aquaculture system (RAS)	
<b>CHAPTER 4</b>	<b>53</b>
Effects of yeast hydrolysate supplementation in low-fish meal diets for pikeperch	
<b>CHAPTER 5</b>	<b>67</b>
Partial replacement of fish meal by soybean meal supplemented with inulin and oligofructose in the diet of pikeperch ( <i>Sander lucioperca</i> ): Effect on growth and health status	
<b>CHAPTER 6</b>	<b>83</b>
Polyculture of pikeperch ( <i>Sander lucioperca</i> ) and Russian sturgeon ( <i>Acipenser gueldenstaedtii</i> ) using an artificial common pellet – Implications on feed to fish nutrient transfers in recirculating aquaculture system (RAS)	
<b>CHAPTER 7</b>	<b>95</b>
Effect of bicultural rearing of pikeperch ( <i>Sander lucioperca</i> ) and Russian sturgeon ( <i>Acipenser gueldenstaedtii</i> ) on growth and fish condition parameters in RAS	
<b>CHAPTER 8</b>	<b>109</b>
Effect of density and mixed culture of largemouth bass ( <i>Micropterus salmoides</i> ) and pikeperch ( <i>Sander lucioperca</i> ) on growth, survival and feed conversion rate in intensive culture	
<b>CHAPTER 9</b>	<b>125</b>
General discussion	127
English summary	133
Czech summary	135
Acknowledgements	137
List of publications	139
Training and supervision plan during study	142
<i>Curriculum vitae</i>	143