

CONTENT

CHAPTER 1

7

General introduction

CHAPTER 2

51

Pilferer, murderer of innocents or prey? The potential impact of killer shrimp (*Dikerogammarus villosus*) on crayfish

CHAPTER 3

65

Round goby versus marbled crayfish: alien invasive predators and competitors

CHAPTER 4

77

Comparison of behavior and space use of the European bullhead *Cottus gobio* and the round goby *Neogobius melanostomus* in simulated natural habitat

CHAPTER 5

97

General discussion 99

English summary 107

Czech summary 108

Acknowledgements 109

List of publications 110

Training and supervision plan during study 112

Curriculum vitae 114