

Content

CHAPTER 1 **7**

General introduction

CHAPTER 2 **45**

Effectiveness of mass marking of juvenile sterlet (*Acipenser ruthenus*) with alizarin red S stain on field detection

CHAPTER 3 **61**

Implications of climate-change-induced stressors and water management for sterlet populations in the Middle and Upper River Danube

CHAPTER 4 **83**

General discussion	85
English summary	99
Czech summary	101
Acknowledgements	103
List of publications	104
Training and supervision plan during study	105
Curriculum vitae	106