

CONTENT

CHAPTER 1

9

General introduction

CHAPTER 2

25

In vitro experiments: Effects of selected bioactive compounds and carrier solvents on cytochrome P450 activity using piscine microsomes

CHAPTER 3

43

In vivo experiments: Effects of selected pharmaceuticals on fish under laboratory conditions

CHAPTER 4

73

In situ experiment: cocktail effects of pharmaceuticals and personal care products on common carp (*Cyprinus carpio* L.)

CHAPTER 5

97

General discussion

99

English summary

107

Czech summary

108

Acknowledgements

109

List of publications

110

Training and supervision plan during study

113

Curriculum vitae

114