CONTENT

CHAPTER 1	7
General introduction	
CHAPTER 2	21
Investigation of diltiazem metabolism in fish using a hybrid of spectrometer	quadrupole/orbital trap mass
CHAPTER 3	33

Study of pharmaceuticals and their metabolites in the soil environment

CHAPTER 4 61

Determination of pharmaceuticals and their metabolites that partition between water and sediments as a further potential exposure for aquatic organisms

CHAPTER 5	91
General discussion	91
English summary	93
Czech summary	98
Acknowledgements	99
List of publications	100
Training and supervision plan during study	103
Curriculum vitae	104