Contents

	Structure and purpose of this thesis	8
Chapter 1.	Introduction	11
Chapter 2.	Cell diameter by the bloom-forming cyanobacterium <i>Micros</i> correlatates with the occurence of specific toxic oligopeptic within the season	
Chapter 3.	Reinvasion of <i>Microcystis</i> colonies (Cyanobacteria) - changes cell numbers, form of colony and ultrastructure in different conditions	
Chapter 4.	Seasonal shifts in chemotype composition of <i>Microcystis</i> sp. communities in the pelagial and the sediment of a shallow reservoir	85
Chapter 5.	Detection and identification of oligopeptides in <i>Microcystis</i> (Cyanobacteria) colonies: Towards and understanding of metabolic diversity	109
Chapter 6.	General discussion	141
	References	147
	Summary & Shrnutí	165
	Publications and other scientific outputs	169
	Curriculum Vitae	175