

Abstract

Therefore, species are expected to move towards the poles in response to shifting climate ones. This warming trend also includes the establishment of tropical algae in temperate systems of the Northern Hemisphere. Numerous tropical and subtropical species of microalgae have been reported in the last decades in the continental waters of Europe. The aims of the Bachelor thesis are to summarize articles concerning changes in diversity and dynamics focused on algae and blue-green algae in temperate water bodies. Several hypotheses about the origin, modes of distribution and the ability of microorganisms to overcome stressful condition during the transportation are also discussed in this work.