

Abstract: Harmful cyanobacterial blooms (Cyano HAB) frequently occurs in many fresh and marine ecosystems, yet they can vary from year to year in species and chemical composition, magnitude and duration.

Consequently, they might have different ecological effects on the pelagic food web structure and functioning. The results from field observations and experimental studies indicating the relation between cyanobacteria community and cyano HAB effect on different trophic levels was presented.