

Supplementary materials

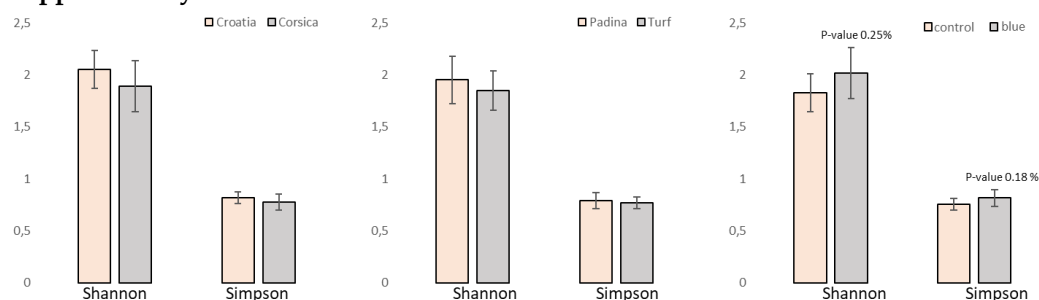


Figure S1: Simpson and Shannon indexes for the diatom community, T-test was done to verify the significant in between samples, there is a significant change in the diversity in between control and blue zones (p-value < 0.05)

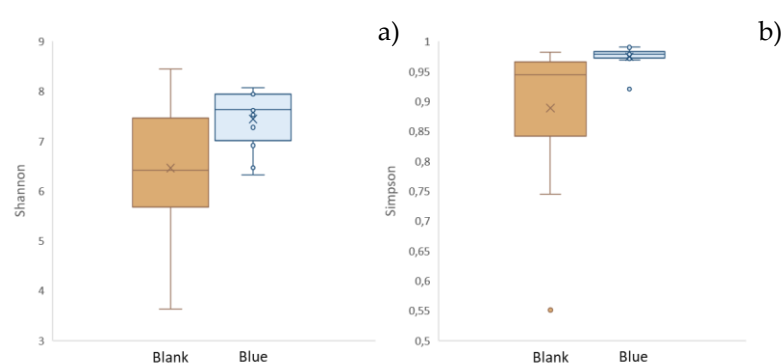


Figure S2: Alpha diversity was measured on the bacterial population and Ttest was done to verify the significance in between conditions in blank or blue zones. a) Shannon index p-value = 0.029 ; b) Simpson index, Ttest p-value = 0.04