

Figure 1: The main influential parameters on the efficiency and growth rate of *C. vulgaris* and its significant products are presented schematically in a single cell view.

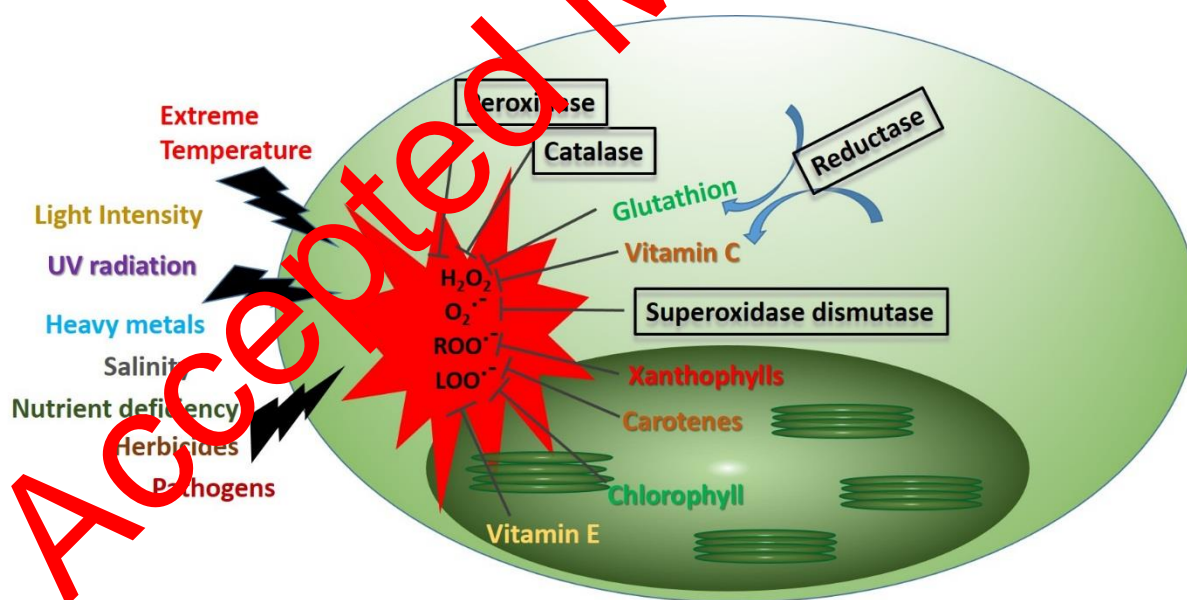


Figure 2: The most important stressful factors which induce oxidant and following antioxidant level of microalgae presented schematically in a single cell view.