

Morphological Effects on Developing *Artemia franciscana* Induced from UV-B Radiation

The objective of this study was to observe the effects of UV-B radiation on the morphology of developing *Artemia franciscana*. Three morphological characteristics were measured to see the effects of exposure, they were body length, body pigmentation, and amount of arm strokes per minute. Cysts of *Artemia* were exposed to three radiation treatments of 10min, 30min, or 1 hour under a UV-B (305nm) handheld light. The control treatment group, which did not receive any UV-B radiation, was significantly larger, lighter in pigment, and had a higher amount of arm strokes per minute compared to all groups that had been exposed to UV-B light. The results found concluded that *Artemia franciscana* development is detrimentally effected by any amount of UV-B radiation, which could lead to detrimental ecological shifts in the community.