浮遊性カイアシ類の初期発生における紫外線の影響

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Abstract

Irradiation of UV (UVA + UVB) on the embryos of the planktonic copepod *Calanus sinicus* caused damages to their development. Hatching rate was reduced, and the hatched larvae were deformed by the UV-B irradiation at naturally occurring intensities. However, the UV-induced damages were reduced by the simultaneous irradiation of the visible light from a fluorescent lamp. The photoreactivation may play an imporant role in reducing the mortality of this species in marine environment.