

Role of microbial loop in ocean carbon cycle

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Microbial loops in the ocean act to suppress biological pump by enhancing degradation of organic materials, and to take dissolved organic matter back to food web. Recently, microbe community has been found to help generate refractory organic matter. More recently, dense population of virus community was found, and relation between organic detritus loop and microbes has been focused, which has lead to new perspectives in studies of microbial loops. Thus, microbial loops have an important roles in the ocean carbon cycle.