

Descriptive Study of Dinoflagellate Cysts in Surface Sediments from the Southern Waters of Korea

Hyun-Jin Cho¹, Chang-Hoon Kim² and Chang-Ho Moon¹

¹ Department of Oceanography, Pukyong National University, 599-1, Daeyeon Dong, Nam Gu, Pusan 608-737, Korea

² Department of Aquaculture, Pukyong National University, 599-1, Daeyeon Dong, Nam Gu, Pusan 608-737, Korea

Abstract

Thirty-seven different types of dinoflagellate cysts were recorded in the surface sediments sampled at offshore and inshore stations from southern waters of Korea. Of which, *Votadinium calvum*, *Quinquecuspis concretum*, *Protoperidinium* sp. and two types of *Brigantedinium* were described and discussed more due to their untypical morphologies. The concentrations of dinoflagellate cysts were approximately four times higher at offshore stations than those at inshore stations. This study must provably provide database on dinoflagellate cyst distribution and composition for the sterile areas of cyst researches, southern waters of Korea.