Distribution of dinoflagellate resting cysts from sediments of the southeast coast of Iran

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Abstract

Dinoflagellates are one the most important micro algaes of which in aspect of life cycle, many of them have planktonic growth and at least 10% of these species have benticphase. The ability to produce cyst is so important for micro algae, because it is a factor guarantying their survival and it increase their potential bloom and distribution. According to the increasing population, increasing industrial pollution, and increasing poisonous fitoplankton blooms identifying the fitoplankton cycts that may produce harmful blooms is important and by identifiying poisonous species, we can prevent producing them and we should plan for it as little studies in this field have been conducted in west coasts of Chabahar, in this study we tried to provide essetial information on introducing species and examining,distribution, abundance,and veriety of fitoplankton cycts,and of cyct Dinoflagellates species which can flourish and make blooms in future in west coast of Iran. Sampling from cysts was done of September 2014 in Pozm, Konarak, Sirik and Jask regions in 12 stations in tree replicate. The sampling was done by use of gerep Acman. Physiochemical analysis of water was accomplished by standard methods. According to the outcome of this research, 46 species belonging to 16 ones were found this is the part latest reports of resting cysts from recent sediments of southeast coast of Iran.

Keywords: cyst, resting, sediment, Oman Sea, southeast coast of iran, dinoflagellates