



## **Hydrodynamism in the Strait of Sicily (Mediterranean Sea) as a mechanism affecting the ichthyoplankton species distribution**

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### ***ABSTRACT***

In the present work are examined biological samples collected during the survey performed on the Straits of Sicily on July 2003. During the survey were collected physical data on temperature and salinity and biological data, (ichthyoplankton and meso-zooplankton) to understand how the effect of current transport can influence the distribution of fish species in their first larval phases. Maps of spatial distribution were produced for the most frequent ichthyoplanktonic species. Furthermore, for the above mentioned species relationships between length and weight were calculated. Finally hydrological features for the examined area were highlighted together with some transport phenomena on the ichthyoplanktonic species.