

The effect of *Ruppia cirrhosa* features on macroalgae and suspended matter in a Mediterranean shallow system



"Relationships among chemical–physical features, total gross suspended organic matter, coverage of the seagrass *Ruppia cirrhosa* and its associated algal community in eight ponds of a saltworks system of western Sicily (Mediterranean Sea) were investigated in spring and summer 2004. All biological features varied both at different levels of seagrass coverage and between seasons. A low algal diversity was highlighted; algal coverage and species richness showed to be negatively correlated. *Ruppia cirrhosa* coverage was negatively correlated with algal coverage, but positively correlated with species richness. Moreover, a significant correlation among *R. cirrhosa* coverage, the availability of suspended matter in the water column and the chlorophyll a concentration was detected"

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