## Do gelatinous "Macroaggregates" in the northern Adriatic influence the biomass dynamics of free-living microheterotrophs ?

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An investigation of the effect that gelatinous "macroaggregates" have on the smaller size classes of free-living plankton was conducted during the periods of summer stratification in 1986, 1987, 1988, 1989 and 1990. Sampling was conducted along a trans-Adriatic trophic gradient from off the Po delta, Italy (sta's 10, 9) to the Istrian peninsula, Croatia (sta. 6), and southward toward the middle Adriatic (sta. 23). Water column plankton populations were enumerated by epifluorescent or inverted microscopy. The analysis of autorophic populations is currently being published (REVELANTE and GILMARTIN, 1992). Herewith are reported some of the observations on the microheterotrophs.

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Fig. 1. The regional and temporal distribution of microheterotrophs. are annual mean icons repositioned so that their curves nest vertically Filled icons (v)

## REFERENCES

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