

PRELIMINARY DATA ON EXPERIMENTAL INFECTION WITH *VIBRIO ANGUILLARUM* AND *VIBRIO ALGINOLYTICUS* IN SEA BREAM (*SPARUS AURATA*).

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Genus *Vibrio* is recognised as one of the most important bacterial pathogens of marine organisms. Experimental infections with *Vibrio anguillarum* and *Vibrio alginolyticus* were performed in sea bream individuals to study the potential pathogenic activity of these organisms in *S.aurata*.

Three experimental, 150 l tanks were used in three different treatments. Fish with sizes between 13 and 15 cm were stocked at 10 individuals per tank.

Fish in two of the tanks were intraperitoneally injected the two different bacterial species, respectively (concentration: 10^7 - 10^9 cel/ml in sterile PSB). The third group, used as a control, was injected sterile PSB. All fish were previously anaesthetized.

The trial was continued for 7 days. At the end of the experiment, samples of different organs were taken for histology examination. A higher infective degree was observed in fish injected with *V.anguillarum*.