

THE MODELING GASTRIC EMPTYING IN EUROPEAN SEA BASS *DICENTRARACHUS LABRAX* L.

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MODELOVANJE PRAŽNENJA CREVA EVROPSKOG BRANCINA *DICENTRARACHUS LABRAX* L.

Abstract

Digestion physiology of an animal is important since it is essential source of information for aquaculture and also it helps to outline the rule of such animal in the aquatic food web. Especially it is vital for the management issues of the living resources concerning multispecies VPA. Bearing in mind, sea bass is a one of the most important sea fish having high salinity and temperature tolerance and commercial value not only in Turkey, but in the European countries as well. It has growing culturing potential in Turkey and Europe, but not much detailed studies concerned feeding and digestion physiology have been performed yet.

In this study, digestion physiology; gastric emptying in *Dicentrarchus labrax* force fed on artificial (formulated) food will be investigated. Factors affecting gastric emptying rate (GER) and time (GET) in sea bass will be studied. An attempt will also be made to model GER and GET in sea bass. Food consumption and feeding periodicity and return of appetite of sea bass will also be worked out.