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## *Srebrenka Nejedli*

University of Zagreb, Croatia

### **Histological and histochemical methods in the analysis of the locomotor and digestive system of fish**

Locomotor system of fish is one of the most important systems because it includes the muscular system which is commercially important and skeletal system that has importance in the initiation for survival. Also of great importance has the digestive system from development since the opening of the oral cavity and morphology of intestines and liver. In our research for the analysis of these systems were used histological and histochemical methods. For the analysis of tissue hematoxylin and eosin staining, to see the types of muscle fibers methods to display the activity of the enzyme succinic and lactic acid dehydrogenase, acid and alkaline stabile adenosine triphosphatase, methods to display the amount of glycogen and connective tissue inside muscles. Alcian blue-specific and alcian blue and alizarin red methods is possible to see the development of cartilage and bone. To view the activity of enzymes in certain parts of the intestinal tract were used methods for determining the activity of non-specific esterase, alkaline and acid phosphatase and aminopeptidase for understanding the digestive processes.

### **Biography**

Srebrenka Nejedli is a full Professor in Department of Anatomy, Histology and Embryology Veterinary Faculty, University of Zagreb, Croatia. Her research interests include anatomy, histology and embryology. She is also a Member of EAVA and European Aquaculture Society.

[snejedli@vef.hr](mailto:snejedli@vef.hr)

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