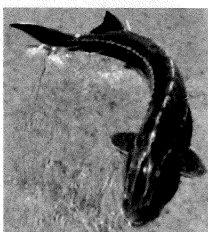
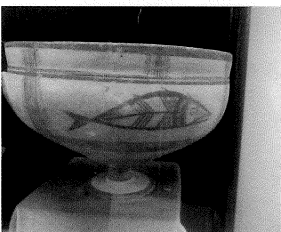
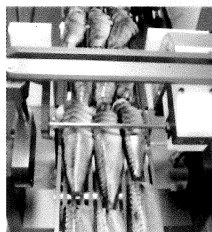




The First International Fisheries Symposium in Northern Cyprus

24th-27th March 2013



Book of Abstracts



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Title: Comparison of amino acid and fatty acid composition between normally pigmented and albino rainbow trout, *Oncorhynchus mykiss*.

Abstract:

In this study, it was intended to determine the amino acid and fatty acid composition in the fillet of albino trout (AT) and normal pigmented trout (NPT) cultured under the same environmental conditions. There were significant differences in amino acid and fatty acid contents between the two groups. Some amino acids (Alanine, Glycine, Valine, Methionine, Hidroksil L Prolin, Glutamic acid, Phenylalanine, Lysine) in NPT fillet were significantly different from AT fillet and NPT fillet had higher level of these amino acid than AT fillet ($p < 0.05$).

On the other hand, some saturated fatty acids (SFA) (18:0, 20:0, 22:0), mono unsaturated fatty acids (MUFA) (16:1) and polyunsaturated fatty acids (PUFA) (18:3n-3, 22:6n-3) in NPT fillet were also significantly different from AT fillet and NPT fillet had higher level of these fatty acids than AT fillet ($p < 0.05$).

Keywords: Rainbow trout, *Oncorhynchus mykiss*, albino, amino acid, fatty acid.



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