

Ascorbic acid and stabilization of phenolic compounds in water-alcohol extraction of amaranth in the manufacture of fish products

© **Anatoly A. Lapin**,*[†] **Valery N. Zelenkov**,¹ **Laysan R. Akhmerova**, and **Aliya A. Islyamova**

Department of Water Bioresources and Aquaculture. Kazan State Power Engineering University.

Krasnoselskaya St., 51. Kazan, 420066. Tatarstan. Russia.

Phone: +7 (843) 519-43-53. E-mail: lapinanatol@mail.ru

¹*All-Russian Research Institute of Vegetable Growing, Vereya Vilage. Moscow Region. Russia*

*Supervising author; [†]Corresponding author

Keywords: amaranth, ascorbic acid, antioxidant activity, phenolic compound.

Abstract

Amaranth is characterized by the presence of a large variety of antioxidants, including phenolic compounds. In the work it is shown that the Ascorbic acid for stabilization of phenolic compounds of amaranth in formulating biologically active raw material to produce nutritional supplements in a segment of the world market of food.