Short Communication The	ematic Section	a: Biochemical Researc
-------------------------	----------------	------------------------

Reference Object Identifier – ROI: jbc-02/15-44-10-146 Subsection: Antioxidant Properties of Biological Raw. Publication is available for discussion in the framework of the on-line Internet conference "Chemical basis for the rational use of renewable natural resources".

http://butlerov.com/natural\_resources/

Contributed: September 26, 2015.

## 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, 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

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

**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.

<sup>\*</sup>Supervising author; \*Corresponding author