## **Accepted Manuscript**

Effects of carbon sources and plant protein levels in a biofloc system on growth performance, and the immune and antioxidant status of Nile tilapia (*Oreochromis niloticus*)

Abdallah Tageldien Mansour, Maria Ángeles Esteban

PII: S1050-4648(17)30144-4

DOI: 10.1016/j.fsi.2017.03.025

Reference: YFSIM 4494

To appear in: Fish and Shellfish Immunology

Received Date: 16 January 2017

Revised Date: 7 March 2017

Accepted Date: 10 March 2017

Please cite this article as: Mansour AT, Esteban ME, Effects of carbon sources and plant protein levels in a biofloc system on growth performance, and the immune and antioxidant status of Nile tilapia (*Oreochromis niloticus*), *Fish and Shellfish Immunology* (2017), doi: 10.1016/j.fsi.2017.03.025.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

1	
2	
3	Effects of carbon sources and plant protein levels in a biofloc system on
4	growth performance, and the immune and antioxidant status of Nile tilapia
5	(Oreochromis niloticus)
6	
7	Abdallah Tageldien Mansour <sup>a*</sup> , Maria Ángeles Esteban <sup>b</sup>
8	
9	<sup>a</sup> Fish and Animal Production Department, Faculty of Agriculture (Saba Basha), Alexandria
LO	University, Alexandria, Egypt.
l1	<sup>b</sup> Fish Innate Immune System Group, Department of Cell Biology and Histology, Faculty of
12	Biology, Regional Campus of International Excellence "Campus Mare Nostrum", University of
13	Murcia, 30100 Murcia, Spain.
L4	
L5	
L6	* Corresponding author: 22 Tag El-Roasa St. Saba Basha, Boulkly, P.O. Box 21531,
L7	Alexandria, Egypt. E-mail: a_taag@yahoo.com

## Download English Version:

## https://daneshyari.com/en/article/5540514

Download Persian Version:

https://daneshyari.com/article/5540514

<u>Daneshyari.com</u>