

Accepted Manuscript

Effects of fenugreek (*Trigonella foenum graecum*) on gilthead seabream (*Sparus aurata* L.) Immune status and growth performance

Elham Awad, Rebeca Cerezuela, M.Ángeles Esteban



PII: S1050-4648(15)00197-7

DOI: [10.1016/j.fsi.2015.04.035](https://doi.org/10.1016/j.fsi.2015.04.035)

Reference: YFSIM 3432

To appear in: *Fish and Shellfish Immunology*

Received Date: 13 February 2015

Revised Date: 27 April 2015

Accepted Date: 27 April 2015

Please cite this article as: Awad E, Cerezuela R, Esteban MÁ, Effects of fenugreek (*Trigonella foenum graecum*) on gilthead seabream (*Sparus aurata* L.) Immune status and growth performance, *Fish and Shellfish Immunology* (2015), doi: 10.1016/j.fsi.2015.04.035.

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.

**Effects of fenugreek (*Trigonella foenum graecum*) on gilthead seabream
(*Sparus aurata* L.) Immune status and growth performance**

Elham Awad^{a,b}, Rebeca Cerezuela^b, M. Ángeles Esteban^b

^a Department of Hydrobiology, National Research Center, Giza, Egypt.

^b Fish Innate Immune System Group, Department of Cell Biology and Histology, Faculty of Biology, Regional Campus of International Excellence "Campus Mare Nostrum", University of Murcia, 30100 Murcia, Spain.

***Corresponding author:** M.A. Esteban, Department of Cell Biology and Histology, Faculty of Biology, University of Murcia. 30100 Murcia, Spain.

E-mail address: aesteban@um.es

Tel.: 34-868887665

Fax: 34-868883963

Download English Version:

<https://daneshyari.com/en/article/10971824>

Download Persian Version:

<https://daneshyari.com/article/10971824>

[Daneshyari.com](https://daneshyari.com)