

The effect of avocado seed powder (*Persea americana* Mill.) on the liver and kidney functions and meat quality of culled female quail (*Coturnix coturnix japonica*)

Publons ID	30291912
Wos ID	WOS:000494957700003
Doi	10.14202/vetworld.2019.1608-1615
Title	The effect of avocado seed powder (<i>Persea americana</i> Mill.) on the liver and kidney functions and meat quality of culled female quail (<i>Coturnix coturnix japonica</i>)
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Publish Date	OCT 2019
Journal Name	VETERINARY WORLD
Citation	5
Abstract	a:4:{i:0;s:320:"Background and Aim: High temperatures have a detrimental effect on quail performance, even disrupting the immune system and function of the internal organs. This research aimed to investigate the effectiveness of avocado seed powder supplements on meat quality and the liver and kidney functions of culled female quails.";i:1;s:609:"Materials and Methods: A total of 100 six-month-old culled female quail were allotted to four dietary treatments, i.e., R0: Basal feed without avocado seed powder supplement and R1, R2. and R3 with basal feed + 3% 6%, and 9% avocado seed powder supplement, respectively. The observed variables included meat quality (protein, fat, cholesterol and meat collagen, water holding capacity, and tenderness), liver function (liver weight, serum glutamic oxaloacetic transaminase [SGOT], and serum glutamic pyruvate transaminase [SGPT]), and kidney function (urea level, creatinine, uric acid, albumin, and glucose).";i:2;s:340:"Results: Analysis of variance showed that avocado seed powder supplements significantly affected the level of SGOT, urea. creatinine, protein, fat, cholesterol, meat tenderness, and cooking loss. A non-significant effect was found on liver weight, SGPT, uric acid, albumin and glucose blood level, collagen, or water holding capacity level.";i:3;s:135:"Conclusion: Avocado seed powder supplements improved meat quality as well as the liver and kidney functions of the culled female quail.";}
Publish Type	Journal
Publish Year	2019
Page Begin	1608
Page End	1615
Issn	0972-8988
Eissn	2231-0916
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000494957700003
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