

Table 3.Growth performance of growing rabbits as affected by dietary treatments.

Items	Control	Treatment groups						Sig.
		10% OCM	10%OCM+ 0.1%CA	10% OCM + 0.2% CA	20% OCM	20% OCM + 0.1% CA	20%OCM+ 0.2% CA	
Initial body weight(g)	554.34 ±40.45	564.00 ±20.88	547.34 ±20.04	557.00 ±19.12	543.34 ±20.41	544.67 ±18.82	542.67 ±18.94	NS
Final body weight(g)	1735.72 ±18.71 ^b	1740.00 ±22.68 ^b	1817.86 ±28.57 ^a	1803.34 ±21.5 ^a	1632.15 ±18.83 ^c	1660.00 ±25.64 ^c	1736.67 ±27.35 ^b	**
Total gain (g)	1182.15 ±25.62 ^{bc}	1176.00 ±29.72 ^{bc}	1267.15 ±26.05 ^a	1246.34 ±30.27 ^{ab}	1085.72 ±33.50 ^d	1115.34 ±32.11 ^{cd}	1194.00 ±34.10 ^b	**
Daily weight gain(g)	29.56 ±0.65 ^b	29.40 ±0.75 ^{bc}	31.68 ±0.66 ^a	31.16 ±0.76 ^{ab}	27.15 ±0.84 ^d	27.89 ±0.81 ^{bc}	29.85 ±0.86 ^b	**
Daily feed intake(g)	125.64 ±1.59 ^a	110.57 ±1.21 ^c	116.7 ±1.86 ^b	117.54 ±1.53 ^b	118.80 ±0.37 ^b	118.67 ±1.32 ^b	119.67 ±0.85 ^b	**
Total feed intake(g)	5025.34 ±63.43 ^a	4449.34 ±70.60	4668.00 ±74.09 ^{bc}	4741.34 ±24.7 ^b	4752.00 ±14.43 ^b	4746.67 ±52.48 ^b	4786.67 ±33.66 ^b	**
Feed conversion ratio (g feed/g gain))	4.25 ±0.08 ^{ab}	3.79 ±0.10 ^{cd}	3.69 ±0.07 ^{cd}	3.81 ±0.02 ^{cd}	4.38 ±0.07 ^a	4.26 ±0.05 ^{ab}	4.01 ±0.03 ^{bc}	**

a,b and c --- Means within the same row with the different superscripts are significantly different (P<0.05).

NS: Not significant, ** (P<0.01).

OCM: Olive Cake meal, AC: Citric Acid.

Table 4. Carcass characteristics of growing rabbits as affected by dietary treatments.

Items	Control	Treatment groups						Sig.
		10% OCM	10%OCM +0.1%CA	10%OCM + 0.2%CA	20% OCM	20%OCM + 0.1%CA	20%OCM+ 0.2% CA	
Pre-slaughter weight (g)	1800 ±28.87	1766.67 ±33.34	1783.34 ±16.67	1816.67 ±44.10	1850 ±28.87	1616.67 ±16.67	1666.67 ±44.10	NS
Carcass (%)	56.48 ±0.39 ^{ab}	58.50 ±0.17 ^a	54.22 ±0.85 ^c	56.42 ±0.37 ^{ab}	58.12 ±0.13 ^{ab}	52.58 ±0.51 ^c	53.99 ±0.44 ^c	**
Liver (%)	2.12 ±0.01 ^a	2.14 ±0.05 ^a	2.00 ±0.03 ^a	2.11 ±0.03 ^a	2.12 ±0.07 ^a	1.80 ±0.02 ^b	1.81 ±0.03 ^b	**
Heart (%)	0.45 ±0.02 ^{ab}	0.49 ±0.03 ^a	0.41 ±0.02 ^b	0.41 ±0.02 ^b	0.42 ±0.02 ^{ab}	0.42 ±0.02 ^{ab}	0.45 ±0.01 ^{ab}	**
Kidney (%)	0.18 ±0.01	0.21 ±0.02	0.16 ±0.02	0.17 ±0.01	0.17 ±0.01	0.18 ±0.01	0.19 ±0.01	NS
Giblets (%)	2.74 ±0.03 ^{ab}	2.84 ±0.08 ^a	2.56 ±0.04 ^{bc}	2.68 ±0.03 ^{ab}	2.70 ±0.09 ^{ab}	2.40 ±0.02 ^c	2.44 ±0.04 ^c	**
Dressing (%)	59.21 ±0.41 ^b	61.34 ±0.2 ^a	56.78 ±0.84 ^c	59.10 ±0.39 ^b	60.81 ±0.07 ^{ab}	54.97 ±0.52 ^c	56.43 ±0.47 ^c	**

a,b and c --- Means within the same row with the different superscripts are significantly different (P<0.05).

NS: Not significant, ** (P<0.01).

OCM: Olive Cake Meal, AC: Citric Acid.

Table 6. Blood plasma constituents of rabbits as affected by feeding the experimental diets.

Items	Control	Treatment groups						Sig.
		10% OCM	10%OCM +0.1%CA	10%OCM + 0.2%CA	20% OCM	20%OCM + 0.1%CA	20%OCM +0.2% CA	
Cholesterol	66.74 ±1.83 ^b	90.71 ±2.42 ^a	54.65 ±0.75 ^c	57.57 ±1.33 ^c	93.98 ±2.68 ^a	67.61 ±1.97 ^b	62.27 ±1.64 ^{bc}	**
Total lipids	1.98 ±0.12	2.02 ±0.12	1.87 ±0.13	1.97 ±0.17	2.15 ±0.10	2.08 ±0.13	1.94 ±0.13	NS
Triglyceride	141.59 ±5.53 ^{abc}	151.28 ±6.21 ^{ab}	122.94 ±4.23 ^c	132.97 ±4.04 ^{bc}	162.19 ±5.2 ^a	143.43 ±3.75 ^{abc}	135.00 ±3.54 ^{bc}	**
Total protein	6.48 ±0.50	6.53 ±0.62	6.45 ±0.45	6.48 ±0.50	6.07 ±0.62	6.52 ±0.41	6.59 ±0.35	NS
Albumin	3.32 ±0.12	3.15 ±0.12	3.37 ±0.12	3.26 ±0.09	3.01 ±0.12	3.48 ±0.18	3.50 ±0.15	NS
Globulin	3.16 ±0.46	3.38 ±0.45	3.09 ±0.34	3.26 ±0.44	3.07 ±0.51	3.04 ±0.52	3.09 ±0.21	NS
Albumin/ Globulin	1.09 ±0.14	0.98 ±0.15	1.11 ±0.09	1.05 ±0.12	1.03 ±0.14	1.25 ±0.31	1.14 ±0.04	NS
ALT	22.15 ±1.18	22.43 ±0.79	20.50 ±1.41	20.68 ±0.95	23.47 ±0.90	22.27 ±1.03	21.21 ±0.53	NS
AsT	35.83 ±0.83	36.71 ±0.95	33.75 ±0.72	34.10 ±0.61	37.44 ±0.78	36.05 ±0.90	35.60 ±0.89	NS

a, b and c --- Means within the same column with the different superscripts are significantly different (P<0.05).

NS: Not significant, ** (P<0.01).

OCM: Olive Cake meal, AC: Citric Acid.