



Effect of *Spirulina* on growth, immunity, gut bacterial load and histopathology of broiler birds

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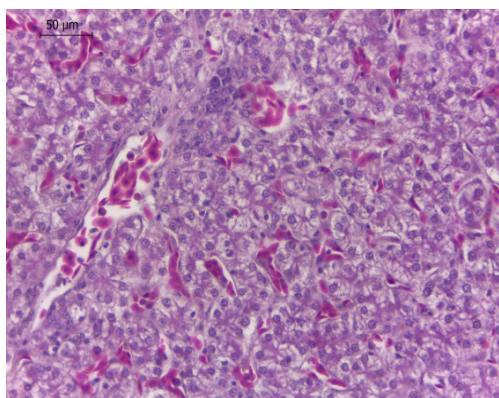
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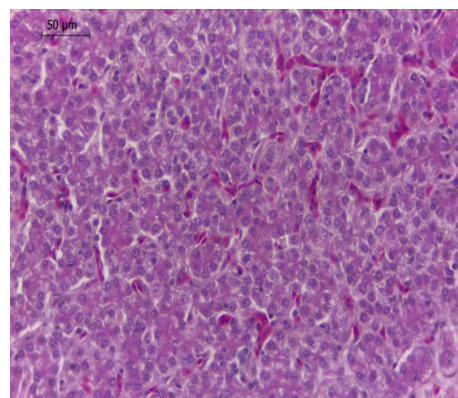
Supplementary Table 1. Intestinal morphological parameters of experimental birds at the end of experiment

Parameter	Treatment					P-value
	Organ	T ₀	T ₁	T ₂	T ₃	
Villi length (µm)	Duodenum	493.00 ^a ±10.00	527.00 ^b ±23.00	570.00 ^{bc} ±20.00	602.00 ^c ±17.00	0.004
	Jejunum	381.00 ^a ±10.50	428.00 ^b ±20.00	470.00 ^c ±28.00	510.00 ^d ±22.00	0.002
	Ileum	398.00 ^a ±14.50	420.00 ^a ±10.00	440.00 ^b ±15.00	470.00 ^b ±12.00	0.040
Villi width at middle (µm)	Duodenum	97.50 ^a ±22.50	122.50 ^{ab} ±12.50	130.00 ^{ab} ±10.00	167.50 ^{bc} ±22.50	0.046
	Jejunum	95.00 ^a ±15.00	120.00 ^{ab} ±10.00	145.00 ^{bc} ±25.00	165.00 ^c ±32.50	0.035
	Ileum	60.00 ^a ±10.0	75.10 ^{ab} ±22.5	90.50 ^c ±17.50	102.50 ^c ±12.5	0.027
Crypt depth (µm)	Duodenum	250.00 ^a ±32.50	270.00 ^b ±20.00	280.00 ^b ±22.50	292.00 ^{bc} ±20.00	0.033
	Jejunum	200.00±20.00	220.00±25.00	227.50±12.50	232.50±12.50	0.100
	Ileum	180.00±8.00	172.50±12.00	190.00±10.00	180.00±10.00	0.120

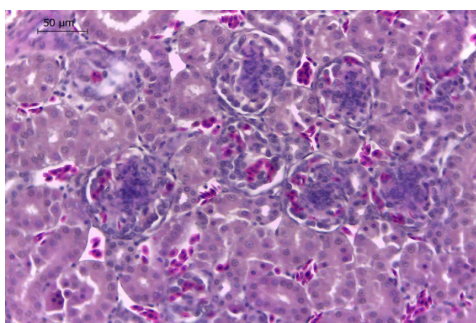
^{abcd}Values bearing different superscripts in a row differ significantly (P<0.05).



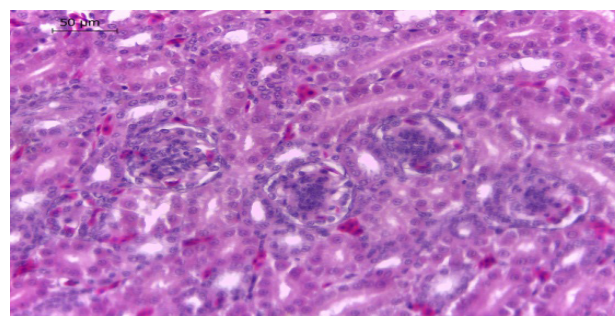
Supplementary Fig. 1. Liver showing apparently normal histology (T₀).



Supplementary Fig. 2. Liver showing apparently normal histology (T₃).



Supplementary Fig. 3. Kidney showing apparently normal histology (T₀).



Supplementary Fig. 4. Kidney showing apparently normal histology (T₃).