**Additional file**

**Zinc phosphate-based nanoparticles as a novel antibacterial agent: *In vivo* study on rats after dietary exposure**

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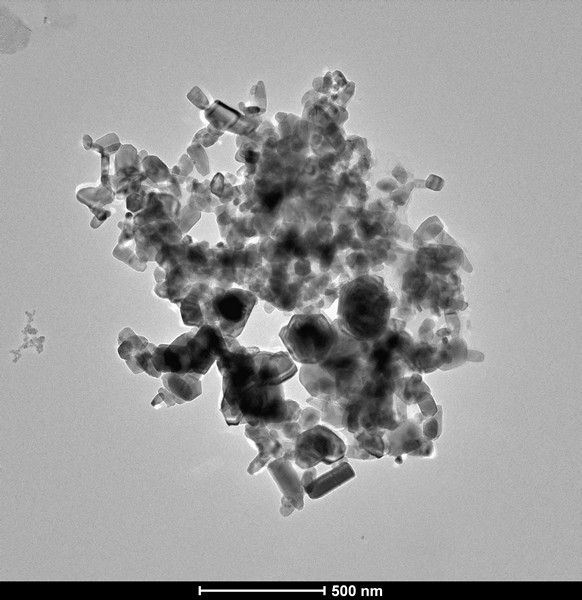
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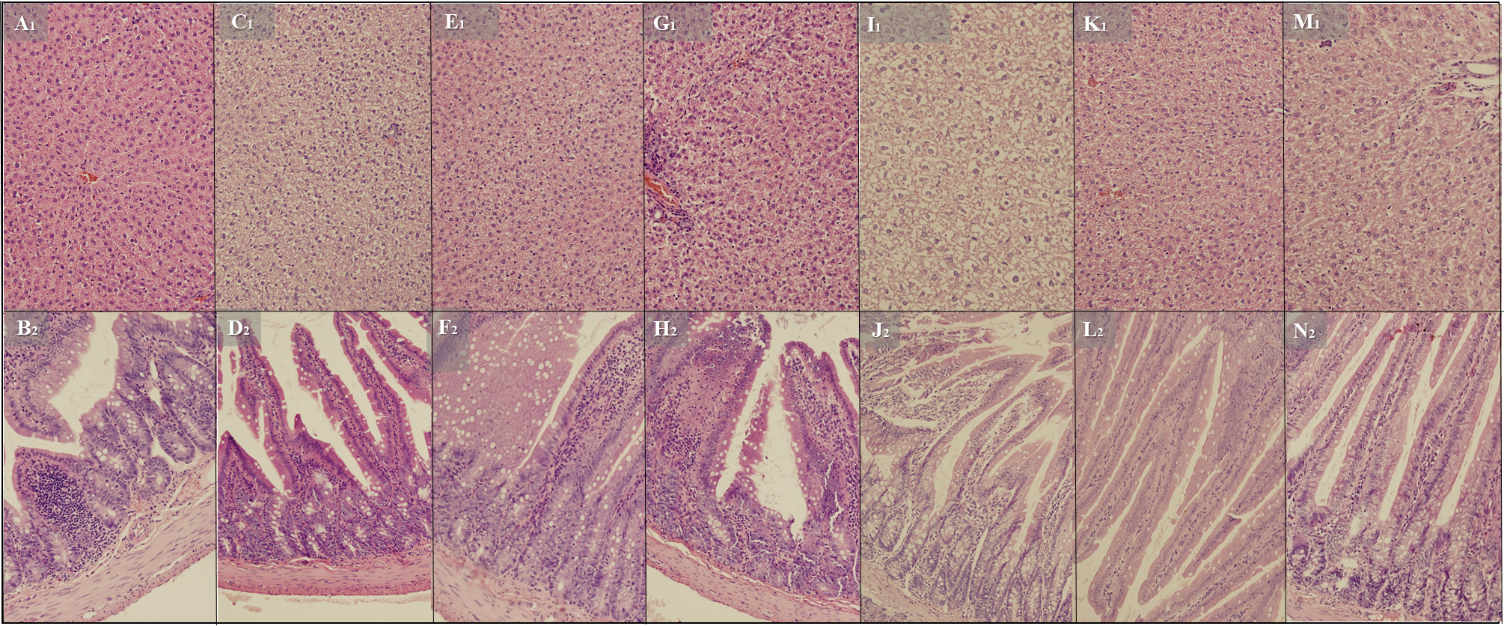
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**Figure S1** TEM image of commercial ZnO-N



**Figure S2** Histological analysis of liver (1) and duodenum (2) of the groups rats ZnA (A, B); ZnB (C, D); ZnC (E, F); ZnD (G, H); ZnO-N (I, J); ZnO (K, L) and control group (M, N).



**Table S1** The weight of rats, g

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Days of experiment* | | | | | |
|  | 0 | 7 | 14 | 21 | 28 |
| ZnA | 138.2±6.8 | 149.4±5.3 | 165.6±5.3 | 190.8±6.2 | 193.8±6.2 |
| ZnB | 137.0±4.5 | 162.8±7.2 | 194.4±8.6 | 208.0±6.6 | 218.2±6.4 |
| ZnC | 144.0±4.8 | 156.2±4.2 | 187.4±5.3 | 194.6±6.5 | 200.4±8.8 |
| ZnD | 130.4±5.7 | 157.2±6.1 | 185.4±9.9 | 201.0±9.9 | 200.6±8.5 |
| ZnO-N | 155.2±5.7 | 159.6±4.7 | 178.2±8.2 | 190.2±3.5 | 198.8±3.7 |
| ZnO  Control | 153.2±8.5  144.0±4.8 | 164.2±7.4  149.6±4.0 | 185.0±7.4  172.6±2.5 | 190.8±7.3  182.0±4.5 | 202.8±5.4  199.6±5.3 |