Table S2. Effect of TiO2 nanoparticles on earthworm characteristics (*Eisenia fetida* (Savigny[, 1](https://en.wikipedia.org/wiki/Marie_Jules_C%C3%A9sar_Savigny)826)).

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|  |
|  | Earthworms amended soil |
| Nanoparticles |  |
| (mg kg-1 dry soil) | Adult | Juvenile | Cocoons | Shells |
|  |
|  0 | 8.0 a (1.0) b | 1.3 (1.5) | 0.3 (0.6) | 1.3 (0.6) |
| 150 | 5.3 (4.7) | 0.3 (0.6) | 0.0 (0.0) | 1.0 (1.0) |
| 300 | 5.7 (2.1) | 0.7 (0.6) | 0.7 (0.6) | 0.3 (0.6) |
| *p* value | 0.340 c | 0.611 | ND | 0.261 |
|  |
|  | Earthworms plus oats amended soil |
|  |
|  0 | 9.7 (0.6) | 35.7 (18.5) | 8.0 (7.0) | 7.0 (5.3) |
| 150 | 9.7 (0.6) | 62.0 (16.7) | 13.0 (1.0) | 7.3 (1.5) |
| 300 | 10.3 (0.6) | 54.0 (17.5) | 12.3 (5.1) | 4.0 (2.6) |
| *p* value | 0.405 | 0.331 | 0.598 | 0.340 |
|  |
| a Mean from three substrate samples (*n* = 3), b value between brackets is standard deviation of the mean (*n* = 3), c Non parametric analysis (t1way analysis, WRS2 Package in R, Mair and Wilcox, 2017). |
|  |