

Supplementary File S4: The survival of earthworm and their body concentrations of zinc exposed to ionic Zn and ZnO NPs after 28 days in soil.

Soil concentration (mg/kg)	Survival		Body concentration	
	Ionic Zn	ZnO NP	Ionic Zn	ZnO NP
0	9.5 ± 0.8	9.5 ± 0.8	101.5 ± 3.6	
100	10 ± 0	-	131 ± 4.2	n.a
225	10 ± 0	10 ± 0	142 ± 7.0	120 ± 0.6
500	9.7 ± 0.6	9.7 ± 0.6	153 ± 5.5	140 ± 2.1
1100	0	9.7 ± 0.6	150*	172 ± 24
2200	0	9.3 ± 1.2	n.a	234 ± 33
4400	-	10 ± 0	n.a	417 ± 145

* There was only a single replicate with surviving earthworms with which to perform analysis. N.a indicates there were not earthworms with which analysis could be performed. The control (0 mg/kg nominal) was shared for the two Zn forms. Mean ± stdev. n=3