toxics

MDPI

Supplementary Materials: Impacts of Longer-Term Exposure to AuNPs on Two Soil Ecotoxicological Model Species

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Table S1. Characterization of the water suspension of gold nanoparticles (AuNPs), stabilized with polyvinylpyrrolidone (PVP) used in the experiments. DLS: dynamic light scattering; ICP-OES: inductively coupled plasma optical emission spectrometry; UV-Vis: Ultraviolet–visible spectroscopy; wt: weight; Pd: Polydispersity; kcps: count rate; σ: standard deviation; n/a: not available.

Characteristics					**Technique**
Complete formulation	Gold (Au 0,54 % wt) PVP (0,27 ± 0,5 %wt)				ICP-OES gravimetric
Dispersant medium	Water solution; Sodium citrate: 1 mM				n/a
Z-average (nm)	27.69				DLS
Pd Index	0.276				DLS
Polydispersity (nm)	14.5				DLS
Polydispersity (%)	52.5				DLS
Derived kcps	127.6				DLS
ξ-potential (mV)	−14.4 ± 2.4				DLS
Absorption peak (nm)	525				UV-Vis
	Size Distribution results				
	Size (d.nm)	**% Int**	**σ**	**%Pd**	
Peak 1	37.90	95.0	15.06	39.7	DLS
Peak 2	3.091	5.0	0.7931	25.7	DLS

Table S2. Variation of the soil pH (0.01 M $CaCl_2$) per test condition, species and exposure time (day 0, 28 and 56).

Concentration (mg/kg)	***E. crypticus***			***F. candida***		
	Day			**Day**		
	0	**28**	**56**	**0**	**28**	**56**
0	6.2	5.72	5.41	5.25	5.15	4.69
dispersant	6.21	5.96	5.37	5.02	5.05	4.46
10	6.27	6.49	6.39	4.97	5.12	4.57
100	6.25	6.38	6.41	4.94	5.21	4.78
200	6.27	6.34	6.38	4.95	5.21	5.05
1000	6.24	6.25	6.11	4.91	5.22	5.08