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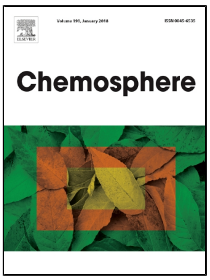

Toxic Effects of Different Types of Zinc Oxide Nanoparticles on Algae, Plants, Invertebrates, Vertebrates and Microorganisms

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PII:	S0045-6535(17)31854-4
DOI:	10.1016/j.chemosphere.2017.11.077
Reference:	CHEM 20274
To appear in:	*Chemosphere*
Received Date:	23 August 2017
Revised Date:	29 October 2017
Accepted Date:	16 November 2017

Please cite this article as: Jing Hou, Yazhou Wu, Xin Li, Benben Wei, Shiguo Li, Xiangke Wang, Toxic Effects of Different Types of Zinc Oxide Nanoparticles on Algae, Plants, Invertebrates, Vertebrates and Microorganisms, *Chemosphere* (2017), doi: 10.1016/j.chemosphere.2017.11.077

Highlights

Effects of different ZnO nanoparticles on different species are summarized

Toxicities induced by ZnO nanoparticles mainly act by three kinds of mechanism

Four perspectives are put forward for future toxicity study of ZnO nanoparticles