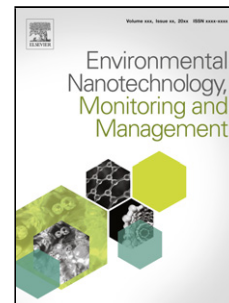


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Authors: S. Simelane, J.C. Ngila, L.N. Dlamini



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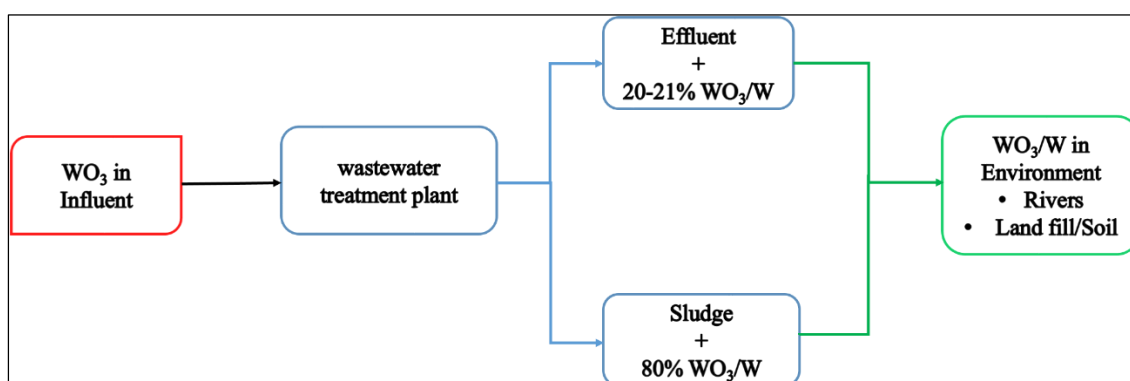
THE FATE, BEHAVIOUR AND EFFECT OF WO₃ NANOPARTICLES ON THE FUNCTIONALITY OF AN AEROBIC TREATMENT UNIT

S. Simelane, J. C. Ngila and L. N. Dlamini*

Department of Applied Chemistry, University of Johannesburg, Doornfontein Campus, P. O. Box 17011, Doornfontein, Johannesburg, 2028, South Africa. Tel: +27115596945.

*E-mail: lndlamini@uj.ac.za

Graphical Abstract



Key Highlights

- Humic acid had no impact on the functionality of the activated sludge.
- Increased concentrations of WO₃ nanoparticles impacted the functionality of the treatment plant negatively.
- The activated sludge had no impact on the crystallinity of the WO₃ nanoparticles.
- WO₃ nanoparticles were adsorbed on the sludge.
- Only 20-21% m/m of the added WO₃ was found in the effluent.

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