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Interactive comment on “Elemental quantification, chemistry, and source apportionment in golf course facilities in semi-arid urban landscape using portable x-ray fluorescence spectrometer”

by T. K. Udeigwe et al.

P. Eze

peter.eze@wits.ac.za

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This research paper is a valuable addition on methods of soil analysis. Its validation of the applicability of Portable XRF in the analysis of soil geochemistry will boost the universal adoption of this easy-to-use and less tedious technology. I do hope that this paper will attract wide readability especially in the developing nations where the cumbersome nature of wet methods for total element analysis greatly hinder agriculturally and environmentally relevant studies of this nature.

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Arid environments (hyper-arid, arid, semi-arid) occupy a vast portion of the Earth, yet they are largely understudied. This research has shed more light into metal/ nutrient interactions in a semi-arid environment. No doubt, this would pave way for more studies on the fate, distribution and dynamics of heavy metals and As in soils of dry climate environments.

The organisation, clarity of objectives and methodology are quite brilliantly explained in a non ambiguous scientific jargon. Its contents has global relevance.

I look forward to reading the paper in its final published version.

Interactive comment on Solid Earth Discuss., 7, 37, 2015.

SED

7, C45–C46, 2015

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