

# Review of: "Portable X-ray fluorescence (pXRF) calibration for analysis of nutrient concentrations and trace element contaminants in fertilisers"

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**Potential competing interests:** The author(s) declared that no potential competing interests exist.

I appreciate the attention to detail given by the authors. My experience is with using pXRF for dried/powdered lake sediment samples and we found more or less the same thing (that the measured values/counts are linearly related to the digest/ICP-AES concentration and applying an adjustment to that value is reliable for a number of elements). The methods are accurate and complete and could be used by others to replicate the setup and calculations if they wanted to use pXRF for this purpose. I am not familiar with the fertilizer literature and I don't know if this type of study has been done in that field yet (it has for many other fields already, especially for soils). I didn't see references to many of the soil/sediment pXRF studies that I know about, and adding more of them here might help readers get an idea of the depth of that literature (fairly deep at this point).