

Interactive comment on “Assessment of atmospheric trace element concentrations by lichen-bag near an oil/gas pre-treatment plant in the Agri Valley (southern Italy)” by R. Caggiano et al.

Anonymous Referee #3

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The paper "Assessment of atmospheric trace element concentrations by lichen-bag near an oil/gas pre-treatment plant in the Agri Valley" presents an experimental study on the air pollution due to trace elements, using the well known lichen-bag technique applied in a new design. Moreover, the PCA technique was applied to study the contribution of the different sources (natural, anthropogenic and transported) of atmospheric trace elements measured.

The paper is well-written, with an appropriate length, showing interesting results and

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conclusions.

I recommend the publication on NHESS, with the following suggestion:

1) describe the reasons of the composition in species of Lichen samples. 2) Specify the composition of the sample in percentage for each species. Could the composition in species alter the efficiency of accumulation of the different trace elements? 3) Specify if the samples are omogeneous in species composition

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