

Interactive comment on “Chemical characteristics of size resolved atmospheric aerosols in Iasi, north-eastern Romania. Nitrogen-containing inorganic compounds controlling aerosols chemistry in the area” by Alina Giorgiana Galon-Negru et al.

Anonymous Referee #2

Received and published: 16 January 2018

General This is a comprehensive field and analytical study of aerosol particles sampled under size-resolution in north-eastern Romania. It contains a wealth of data on the aerosol chemical composition in this area where not many data are available for comparison which is generally true for Eastern Europe.

The whole manuscript is a bit lengthy and it might be good if the authors could explore potential for shortening some sections of the paper.

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Overall, I think the manuscript requires only minor modification and can then be published in ACP.

Details Page 3. line 3: '... great concern of interest....' - Maybe better '...great concern and of interest....' Please check the English throughout the manuscript again, possibly but a native speaker or an English language editing service.

Section 2.2: Can anything be said how reliable the sampling of the very small size fractions by the DLPI is ? Has this been characterised ?

Table 2: Maybe the names of the sampling locations from the EMEP measurements can be given.

P9, l13: ...Figure... This should be capitalized all over the manuscript.

P15,l21: Is the comparison to the Kanpur measurement helpful here ? I cannot fully understand what CaCO₃ has to do with nitrate.

P27,l23: But shouldn't biomass burning have a seasonal pattern ?

P28, l30: Please check sentence: '... such as to....'

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-1030>, 2017.

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