

## Dr Alan Jones PhD

Research Fellow

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### Biography

- BSc (Hons) Edinburgh 1976 – Physics
- PhD Nottingham 1983 – Agricultural Science; Diploma of the Institute of Acoustics
- Research Fellow in Division of Environmental Health and Risk Management since 2000
- Previously employed by NCB/British Coal and IMC Technical Services (a consultancy) on research and development into workplace and environmental dust and noise control

### Research

Airborne particulate concentrations and numbers in the UK – Interpretation of the variability of airborne particulate metrics. Funded by DEFRA (contract CPEA28) in collaboration with NPL.

### Publications

#### Key Publications since 2001

Jones AM, Harrison RM (2011) 'Temporal trends in sulphate concentrations at European sites and relationships to sulphur dioxide' *Atmospheric Environment* 45 873-882

Jones AM, Harrison RM, Baker J (2010) 'The wind speed dependence of the concentrations of airborne particulate matter and NOx' *Atmospheric Environment* (2010) 44 1682-1690

Jones AM, Yin JX, Harrison RM (2008) 'The weekday-weekend difference and the estimation of the non-vehicle contributions to the urban increment of airborne particulate matter' *Atmos Environ* 42 4467-4479

Jones AM, Harrison RM (2006) 'Assessment of natural components of PM10 at UK urban and rural sites' *Atmos Environ* 40 7733-7741

Jones AM, Harrison RM (2006) 'Estimation of the emission factors of particle number and mass fractions from traffic at a site where mean vehicle speeds vary over short distances' *Atmos Environ* 40 7125-7137

Harrison R M, Jones A M (2005) 'Interpretation of particulate elemental and organic carbon concentrations at rural, urban and kerbside sites'. *Atmos Environ* 39 7114-7126

Harrison R M, Jones A M (2005) 'Multisite study of particulate number concentrations in urban air'. *Environ Sci Technol* 39 6063-6070

Harrison R M, Jones A M, Biggins P D E, Pomeroy N, Hobman J L, Brown N L, Beswick A (2005) 'Climate factors influencing bacterial count in background air samples'. *Int J Biometeorol* 49 163-178

Harrison R M, Jones A M, Lawrence R G (2004) 'Major component composition of PM10 and PM2.5 from roadside and urban background sites'. *Atmos Environ* 38 4531-4538

Harrison R M, Jones A M, Barrowcliffe R (2004) 'Field study of the influence of meteorological factors and traffic volumes upon suspended particle mass at urban roadside sites of differing geometries'. *Atmos Environ* 38 6361-6369

Jones A M, Harrison R M (2004) 'The effects of meteorological factors on atmospheric bioaerosol concentrations – a review'. *Sci Total Environ* 326 151-180

Harrison R M, Jones A M, Lawrence R G (2003) 'A pragmatic mass closure model for airborne particulate matter at urban background and roadside sites'. *Atmos Environ* 37 4927-4933

