

Curriculum Vitae

Scott, Marian

Gender:Female

Nationality/ies: ...British

Overall Scientific Expertise:

I am a statistician, holding a BSc and PhD in Statistics. My main research areas are Environmental Statistics- including water and air quality and links to health and wellbeing. Recently with the increasing development and deployment of smart sensors, to monitor the environment (natural and urban) and to develop indices of health and wellbeing. More generally my areas of expertise include applied Statistics (in a number of scientific areas), evidence based environmental policy, and environmental risk assessment.

Professional Experience

[Starting with your present occupation, list in reverse chronological order each activity in which you have been engaged. Please copy and paste more rows if needed.]

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation [^]
1983-present	Lecturer, senior lecturer and Professor	University of Glasgow, Glasgow	Statistics (modelling)

[^][*For example:* toxicology (alternative methods, carcinogenesis, endocrine, immunotoxicity, occupational, exposure assessment, genotoxicity, etc.), chemistry (atmospheric, medicinal, peptide, etc.), physics (biophysics, EMF radiation, noise, etc.), engineering (genetic, environmental, medical, etc.), biology (antimicrobial resistance, biophysics, biotechnology, etc.), medicine (allergies, neurology, etc.), epidemiology (clinical, genetic, cancer, etc.) environmental science (air quality, waste treatment, climate change, ecology, etc.), biostatistics, pharmacokinetics, medical technologies, nanoscience, etc...]

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
1978	BSc	Glasgow University, Glasgow	Statistics
1983	PhD	Glasgow University	Statistics and Chemistry (radiochemistry)

Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

I am a member of the Dounreay Particles advisory group, and the Dalgety Bay Particles advisory group. I am a member of the Natural Environment Statistics advisory committee.

Memberships in Learned Societies (if any):

I am a fellow of the Royal Society of Edinburgh, the Royal Statistical Society, and the International Statistical Institute.

Memberships in Editorial Boards (*if any*):

I am a member of the editorial boards of Radiocarbon, Environmetrics, Sustainability, accounting and management planning and J of Environmental Radioactivity.

List of Publications:

I have more than 100 peer-reviewed publications, in addition, I have authored several books and edited journal special issues.

Altieri, L. , **Scott, E. M.** , Cocchi, D., and Illian, J. B. (2015) A changepoint analysis of spatio-temporal point processes. *Spatial Statistics* , (doi: 10.1016/j.spasta.2015.05.005)

Morrison, S., Fordyce, F.M., and **Scott, E.M.** (2014) An initial assessment of spatial relationships between respiratory cases, soil metal content, air quality and deprivation indicators in Glasgow, Scotland, UK: relevance to the environmental justice agenda. *Environmental Geochemistry and Health* , 36(2), pp. 319-332.

Miller, C. , Magdalina, A.-M., Willows , R., Bowman, A. , **Scott, E.** , Lee, D. , Burgess, C., Pope, L., Pannullo, F., and Haggarty, R. (2014) Spatiotemporal statistical modelling of long-term change in river nutrient concentrations in England and Wales. *Science of the Total Environment* , 466-7, pp. 914-923.

Tyler, A.N., Dale, P., Copplestone, D., Bradley, S., Ewan, H., McGuire, C., and **Scott, E.M.** (2013) The radium legacy: contaminated land and the committed effective dose from the ingestion of radium contaminated materials. *Environment International* , 59, pp. 449-455

Finazzi, F. , **Scott, E.M.** , and Fasso, A. (2013) A model based framework for air quality indices and population risk evaluation, with an application to the analysis of Scottish air quality data. *Journal of the Royal Statistical Society: Series C (Applied Statistics)* , 62(2), pp. 287-308

Gemmell, J.C., and **Scott, E.M.** (2013) Environmental regulation, sustainability and risk. *Sustainability Accounting, Management and Policy Journal* , 4(2), pp. 120-144.

Smith, R.I. , Dick, J.M., and **Scott, E.M.** (2011) The role of statistics in the analysis of ecosystem services. *Environmetrics* , 22(5), pp. 608-617.