



Steve J. Sparks, IUGG Fellow

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I am Professor of Geology in the School of Earth Sciences at Bristol University. My research concerns volcanic and igneous processes and I have made contributions in petrology, physical volcanology, fundamental fluid mechanics, sedimentology, and in hazard and risk assessment methods. I have published 407 peer-reviewed papers. My citations total 28,540, including 94 papers with over a 100 citations and I have a current h-factor of 98 according to Google Scholar. In an analysis of citation data in the 1994-2004 period by ISI Thomson (Web of Science) I was identified as the World's most highly cited volcanologists and am in the top three cited World geologists in Microsoft academic list. I have won several international medals, including the 2008 Thorarinsson medal, which is the most prestigious award in volcanology given every 4 years. Honorary degrees at Institut de Physique du Globe de Paris and Université Blaise Pascal (France), the Science Prize of Chiba University (Japan), 2004 Arthur Holmes medal (European Union of Geoscience), 2000 Arthur Day medal of the Geological Society of America, and Fellowship of the American Geophysical Union illustrate international recognition. I became a fellow of the Royal Society in 1988 and was awarded a CBE in 2012 for services to environmental sciences. I am recipient of the 2015 Vetlesen Prize (regarded as the equivalent of the Nobel Prize for Earth Sciences). I was President of the Geological Society of London (1994-1996) and President of the International Association of Volcanology and Chemistry of the Earths Interior (1999-2003). I co-ordinated the EU training network in Volcanology (2000-2004). I was President-elect and President of the Volcanology, Geochemistry and Petrology section of the American Geophysical Union 2008-2012. I served on the Council and Board of AGU (2010-2012). I was one of several international Scientists who formed in 2011 the Global Volcano Model (GVM) as an international platform for volcanology information. I am currently Chair of the UK Advisory Committee on Mathematics Education, member of the Technology Advisory Panel of Radioactive Waste Management Ltd, and join the Council of the Royal Society in January 2015. I have supervised 54 PhD students and mentored 21 postdoctoral researchers.