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Current Position:

Professor of Earth Sciences, Dept of Earth Sciences, Oxford (since 2008) and Academic Director, Doctoral Training Partnership in Environmental Research (since 2014)

Previous Positions

2006 – Lecturer in Igneous Processes, Dept of Earth Sciences, Oxford University
1991 - 2006: Assistant Lecturer, Lecturer then Senior Lecturer, Cambridge University.
1998: Senior Scientist, Montserrat Volcano Observatory (6 week secondment).
1990 - 1991: Visiting Associate, California Institute of Technology, Pasadena.
October 1989-October 1991: Research Fellow, St. Catharine's College, Cambridge.

Higher Education

1990: PhD, Cambridge University. "Geological and radiochemical studies on young volcanoes ".
Advisers: Prof. RSJ Sparks FRS, Dr M Ivanovich.
1986: B.A. (Hons), Geological Sciences, University of Cambridge (First Class).

Awards

2020 - **Thermo-Fisher Scientific Award** of the Volcanic and Magmatic Studies Group (VMSG)
2018 - **Royal Astronomical Society Group Achievement Award**: (joint) COMET: The Centre for Observation and Modelling of Earthquakes, Volcanoes and Tectonics
2017 - **Athens Academy Prize for Natural Sciences** (joint) for authors of 'Post-eruptive flooding of Santorini caldera and implications for tsunami generation' *Nature Comms* 7:13332, 2016
2016 - **Hallimond Lecturer**, Mineralogical Society of Great Britain and Ireland
1994 - **President's Award**, Geological Society of London

Research Output

190 Peer-reviewed papers, 3 Monographs/Edited books
h index – 50; 7000 citations ([Scopus](#), [Researcher ID](#)); 60, 10300 citations on [Google Scholar](#)

Popular book – Volcanoes, Encounters through the Ages, [Bodleian/Chicago, 2017](#)

Selected recent publications

J Barclay et al (2019) Livelihoods, wellbeing and the risk to life during volcanic eruptions, *Frontiers in Earth Science* 7, 205

TH Druitt et al (2019) Santorini Volcano and its Plumbing System, *Elements* 15, 177-184

AP Poulidis et al (2018) Meteorological controls on local and regional volcanic ash dispersal, *Scientific Reports* 8, 6873

K Fontijn et al (2018) Contrasting styles of post-caldera volcanism along the Main Ethiopian Rift: Implications for contemporary volcanic hazards, *J Volcanol Geotherm Res* 356, 90-113

DM Pyle et al (2018) The 1902-3 eruptions of the Soufrière, St Vincent: impacts, relief and response, *J Volcanol Geotherm Res* 356, 183-199

W Hutchison et al (2016) A pulse of mid-Pleistocene rift volcanism in Ethiopia at the dawn of modern humans. *Nature Communications* 7: 13192

Recent or Current Research Funding (NERC unless stated)

Academy of Medical Sciences GCRF Networking Grant (2018) *Workshop: Harnessing Volcanic and Geothermal Resources for Sustainable Development (Kenya)*. £25k
AHRC GCRF Grant (2016-18) *Explosive Transformations: Cultural Resilience to Natural Hazard on St Vincent and Montserrat*. (Co-I)
GCRF Grant (2017-18) *Harnessing 'citizen science' to reinforce resilience to environmental disasters*. (Co-I).
Theme Action Grant (2014-20) *Mantle volatiles: processes, reservoirs and fluxes* Co-I.
Consortium Grant (2014-19) *'RiftVolc' – Volcanism in the Main Ethiopian Rift*, Co-I.
Standard Grant (2013-17) *'SHIVA' Spectrally High-resolution Infrared measurements for the characterisation of Volcanic Ash* (Co-I)
NERC/ESRC Directed Grant (2012-18) *Strengthening Resilience in Volcanic Areas (STREVA)* (Co-Investigator)

Selected professional activities (last 5 years)

2018- Peer Review College, UKRI Future Leaders Fellowships
2018- Panel Member, Royal Society Future Leaders-African Independent Researchers (FLAIR) Fellowships
2016-19 Peer Review College Panel Member, Diamond Light Source
2015 Member, NERC CDT Review Panel (Smart and Autonomous Observing Systems)
2013-17 Panel Member, Leverhulme Trust Royal Society Senior Research Fellowships

University Responsibilities

Divisional Academic Champion for Public Engagement with Research (2017-)
Curator, **Bodleian Libraries exhibition on 'Volcanoes'** (February - May 2017)
PI and Director, Oxford University Doctoral Training Programme in Environmental Research, 2013-2018. *Awarded 120 studentships over 5 years (ca. £10M from NERC)*.
Academic Lead and Chair of Management Committee, Oxford Sparks (Oxford University Public Engagement with Science), 2011- [New portal for coordination of public engagement with science across Oxford; and development of new content]
Curator of the University Libraries, 2012-13; 2016-

International Fieldwork/Expertise and Collaborations (last 5 years)

Impacts of volcanic eruptions, and resilience to natural hazards: Chile, Democratic People's Republic of Korea, Ecuador, Ethiopia, Indonesia, Kenya, Montserrat, St Vincent and the Grenadines.

Science Communication, Outreach and Public Engagement (selected)

Volcanoes Exhibition (2017): Previewed & reviewed in *The Guardian*, *Times Literary Supplement*, *Nature*, *New Scientist*, *The Spectator*, *BBC Earth Magazine*, *Minerva Magazine*, *USA Today*. *Over 100 articles on the exhibition were published across 7 countries, with a reach of 200 million people. 55,000 people visited the exhibition.*

May 2017 **Contributor** to 'Ancient Mysteries' Series 2, Episode 2, 'The ten plagues of Egypt'. Blink TV, broadcast on Channel 5 (UK), 12 May; and 'Secrets of the Bible' 2018 (both on the eruptions of Santorini, and their impacts).

Volcanoes Top Trumps – member of design and launch team for the card (December 2012), and online game (Launched in September 2014) (volcanoestoptrumps.org).

Academic Lead, Oxford Sparks portal for public engagement with science (www.oxfordsparks.ox.ac.uk).