
Curriculum Vitae

Associate Professor Jan Lindsay

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Educational qualifications

1999	Justus-Liebig-Universität Gießen & GFZ-Potsdam, Germany: Ph.D., Geological Sciences
1995	University of Auckland, New Zealand: MSc, Geology
1993	University of Auckland, New Zealand: BSc, Geology

Employment history

2004 – present	School of Environment (and precursors), University of Auckland, New Zealand
2000 – 2003	Research Fellow, Seismic Research Unit, University of the West Indies, Trinidad
1999	Post-doctoral Fellow, GeoForschungsZentrum (GFZ) Potsdam, Germany
1995-1996	Research Assistant, GNS Science, Wairakei Research Centre, Taupo, New Zealand

Research Summary Statement

My research focuses on making society more resilient to natural hazards through improving understanding of magmatic and volcanic processes, and developing and testing approaches to improve communication between scientists and stakeholders to ensure efficient uptake of hazard and risk research.

Key Roles, Responsibilities and Achievements

- Elected member of the IAVCEI Executive Committee (2015-2019)
- Co-leader of IAVCEI commission on Volcanic Hazard and Risk (2014 – 2018)
- Co-leader of the IAVCEI working group on volcanic hazard maps (2014 – present)
- Co-leader of the IAVCEI commission for the Mitigation of Volcanic Disasters (2002 – 2008)
- Editor-in-Chief, *Journal of Applied Volcanology* (2018 – present)
- Associate Editor, *Geosphere*, a Geological Society of America (GSA) journal (2014–2018)
- Associate Dean of Science (Research), The University of Auckland (2018 – present)
- Head, School of Environment, University of Auckland (acting: 2017)
- Chair of Research Committee, School of Environment, University of Auckland (2014 – 2017)
- Co-PI of the Determining Volcanic Risk in Auckland (DEVORA) project (2008 – present)
- PI of the Volcanic Risk in Saudi Arabia (VORISA) project (2011 – 2014)
- PI of the University of Auckland - EQC Building Capability in Hazards fund (2011 – present)
- President of the 1,000-member Geoscience Society of New Zealand (2010 – 2011)
- Vice-president of the 1,000-member Geoscience Society of New Zealand (2007 – 2009)
- Member of NZ Volcano Science Advisory Panel (or equivalent) (2008 – present)

Selection of Recent Research Publications

- Lindsay, J. M., & Robertson, R. E. A. (2018). Integrating Volcanic Hazard Data in a Systematic Approach to Develop Volcanic Hazard Maps in the Lesser Antilles. *Frontiers in Earth Science*, 6. doi:[10.3389/feart.2018.00042](https://doi.org/10.3389/feart.2018.00042)
- Thompson, M. A., Owen, S., Lindsay, J. M., Leonard, G. S., & Cronin, S. J. (2017). Scientist and stakeholder perspectives of transdisciplinary research: Early attitudes, expectations, and tensions. *Environmental Science and Policy*, 74, 30-39. doi:[10.1016/j.envsci.2017.04.006](https://doi.org/10.1016/j.envsci.2017.04.006)
- Bezard, R., Turner, S., Davidson, J., Schmitt, A. K., & Lindsay, J. (2017). Origin and Evolution of Silicic Magmas in Oceanic Arcs; an in situ Study from St Lucia, Lesser Antilles. *Journal of Petrology*, 58(7), 1279-1318. doi:[10.1093/ptrology/egx053](https://doi.org/10.1093/ptrology/egx053)
- Stirling, M., Bebbington, M., Brenna, M., Cronin, S., Christophersen, A., Deligne, N., . . . Wilson, T. (2017). Conceptual Development of a National Volcanic Hazard Model for New Zealand. *Frontiers in Earth Science*, 5. doi:[10.3389/feart.2017.00051](https://doi.org/10.3389/feart.2017.00051)
- Blake, D. M., Deligne, N. I., Wilson, T. M., Lindsay, J. M., & Woods, R. (2017). Investigating the consequences of urban volcanism using a scenario approach II: Insights into transportation network damage and functionality. *J. Volc. Geoth. Res.* 340, 92-116.
- Grocke, S. B., de Silva, S. L., Iriarte, R., Lindsay, J. M., & Cottrell, E. (2017). Catastrophic Caldera-Forming (CCF) monotonous silicic magma reservoirs: Geochemical and petrological constraints on heterogeneity, magma dynamics, and eruption dynamics of the 3.49Ma Tara supereruption, Guacha II Caldera, SW Bolivia. *Journal of Petrology*, 58(2), 227-259. doi:[10.1093/ptrology/egx012](https://doi.org/10.1093/ptrology/egx012)
- Thompson, M. A., Lindsay, J. M., Wilson, T. M., Biass, S., & Sandri, L. (2017). Quantifying risk to agriculture from volcanic ashfall: A case study from the Bay of Plenty, New Zealand. *Natural Hazards*, 86(1), 31-56. doi:[10.1007/s11069-016-2672-7](https://doi.org/10.1007/s11069-016-2672-7)
- Shane, P., Maas, R., & Lindsay, J. (2017). History of Red Crater volcano, Tongariro Volcanic Centre (New Zealand): Abrupt shift in magmatism following recharge and contrasting evolution between neighboring volcanoes. *J. Volc. Geoth. Res.* 340, 1-15.
- Leonard, G. S., Calvert, A. T., Hopkins, J. L., Wilson, C. J. N., Smid, E. R., Lindsay, J. M., & Champion, D. E. (2017). High-precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating of Quaternary basalts from Auckland Volcanic Field, New Zealand, with implications for eruption rates and paleomagnetic correlations. *Journal of Volcanology and Geothermal Research*, 343, 60-74. doi:[10.1016/j.jvolgeores.2017.05.033](https://doi.org/10.1016/j.jvolgeores.2017.05.033)