

# JAMIE FARQUHARSON

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## EXPERIENCE

<b>Université de Strasbourg</b> Research engineer	<b>Jul 2022 – present</b> France
<b>Lancaster University</b> Honorary Researcher	<b>Jun 2021 – Sep 2021</b> UK
<b>Stallard Scientific Editing</b> Freelance Scientific Editor	<b>Apr 2021 – Jul 2022</b> NZ
<b>University of Miami</b> Post-doctoral Research Associate	<b>Apr 2018 – Apr 2021</b> USA
<b>Université de Strasbourg</b> Course lecturer	<b>Nov 2017 – Apr 2018</b> France
<b>Université de Strasbourg</b> Post-doctoral Research Associate	<b>Nov 2016 – Apr 2018</b> France
<b>Universidad de Colima</b> Research Assistant	<b>Nov 2011 – Mar 2012</b> Mexico

## EDUCATION

<b>Université de Strasbourg</b> PhD., Geophysics (Experimental Volcanology); <i>Exceptional</i>	<b>2013 – 2016</b> France
<b>Lancaster University</b> M.Sc., Volcanology and Geological Hazards; <i>Distinction</i>	<b>2012 – 2013</b> UK
<b>University of Stirling</b> B.Sc.(Hon.), Environmental Geography; <i>First class</i>	<b>2007 – 2011</b> UK

## AWARDS AND HONOURS

<b>Zeiss Post-doctoral Keynote Award</b> Volcanic and Magmatic Studies Group	<b>2021</b> UK
<b>Prix de thèse [<i>Thesis prize</i>]</b> Société des Amis des Universités de l'Académie de Strasbourg	<b>2017</b> France
<b>"Best Dissertation" prize</b> Lancaster Environment Center	<b>2013</b> UK
<b>University Medal</b> Royal Scottish Geographical Society	<b>2011</b> UK

## RECENT FUNDING

<b>"Growing an innovative community open access testbed in the Earth Sciences"</b> €45k; Fonds National pour la Science Ouverte [ <i>National Funds for Open Science</i> ]	<b>2021</b> France
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## RECENT KEYNOTES AND INVITED TALKS

<b>"An open science testbed for volcanology"</b> American Geophysical Union Fall meeting	<b>Dec 2021</b> USA
<b>"Fluid transport in volcanoes: from micro- to macro-scale"</b> Paris École normale supérieure, Geosciences invited seminar	<b>Oct 2021</b> UK
<b>"Rainfall-induced volcanic hazard in a changing climate"</b> University of East Anglia Atmospheres, Oceans and Climate seminar series	<b>May 2021</b> UK
<b>"Pore fluid pressure evolution in volcanic environments: the role of rainfall"</b> European Geosciences Union meeting	<b>Apr 2021</b> UK

**“Volcanica: A success story for diamond open access publishing in geoscience”**

Montana State University's ESCI Spring Department Seminar

Feb 2021

UK

**“Assessing rainfall-induced volcanic hazard”**

Volcanic and Magmatic Studies Group Zeiss Keynote

Jan 2021

UK

**“Fire and rain: exploring the links between weather, climate, and volcanism”**

Leicester Literary and Philosophical Society Winter Seminar Series

Jan 2021

UK

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SERVICE

- Founder and Editor-in-Chief of [Volcanica](#)
- Elective board member of the [Free Journal Network](#)
- Senior Advisory Council member for [EarthArXiv](#)
- Elective member of the [IAVCEI ECR-Net](#) working group
- Reviewer for 20+ scholarly journals
- Outreach initiatives, such as the [Scientist in Every Florida School](#) program.

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SELECT PUBLICATIONS

**Farquharson, J. I.**, H. Tuffen, F. B. Wadsworth, J. M. Castro, H. Unwin, and C. I. Schipper, 2022. In-conduit capture of sub-micron volcanic ash particles via turbophoresis and sintering. *Nature Communications*. DOI: [10.1038/s41467-022-32522-7](#).

**Farquharson, J. I.** and F. Amelung, 2022. Volcanic hazard exacerbated by future global warming–driven increase in heavy rainfall. *Royal Society Open Science*. DOI: [10.1098/rsos.220275](#).

**Farquharson, J. I.**, & F. Amelung, 2020. Extreme rainfall triggered the 2018 rift eruption at Kīlauea Volcano. *Nature*. DOI: [10.1038/s41586-020-2172-5](#). [[Cover feature](#)]

**Farquharson, J. I.**, B. Wild, A. R. L. Kushnir, M. J. Heap, P. Baud, & B. Kennedy, 2019. Acid-induced dissolution of andesite: evolution of permeability and strength. *JGR: Solid Earth*. DOI: [10.1029/2018JB016130](#).

**Farquharson, J. I.**, M. J. Heap, N. Varley, P. Baud, & T. Reuschlé, 2015. Permeability and porosity relationships of edifice-forming andesites: A combined field and laboratory study. *J. Volcanol. Geoth. Res.* DOI: [10.1016/j.jvolgeores.2015.03.016](#).

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MEMBERSHIPS

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|---|--|
| • American Geophysical Union (AGU)            | • Asia Ocean Geosciences Society (AOGS)        |
| • European Geosciences Union (EGU)            | • International Association of Volcanology and |
| • The American Ceramic Society (ACerS)        | Chemistry of the Earth's Interior (IAVCEI).    |
| • Association of Earth Science Editors (AESE) |  |

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TEACHING EXPERIENCE

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| M.Sc. level              | • Geophysical laboratory measurements. |
| • Petrophysics           | Ph.D. level                            |
| • Brittle microstructure | • Geological Hazards                   |
| • Applied rock physics   | • Physical Volcanology.                |

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METRICS AND IMPACT

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| • <a href="#">h-index: 20</a> | • <a href="#">i10-index: 24</a> | • <a href="#">citations: 1313</a> |
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My research featured in [90+ news articles in 2020](#), including *NPR*, *New York Times*, *New Scientist*, and *VICE*. See more via Impactstory: [0000-0003-4933-2607](#).