DR KAJA FENN (ZAREMBA)

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EMPLOYMENT

Lecturer in Environmental Change, University of Liverpool 2022 — present

University Teacher in Physical Geography, University of Liverpool 2021 — 2022

Stipendiary Lecturer in Physical Geography, St. Catherine's College, Oxford 2019 — 2021

Teaching Fellow in Physical Geography, Oxford Brookes University Jan — Sep 2020

EDUCATION AND QUALIFICATIONS

Postgraduate Certificate Academic Practice (Distinction), University of Liverpool 2021 — 2024

PhD in Environmental Sciences, NERC DTP, University of Oxford 2015 — 2020

'Provenance of late Quaternary loess along the middle and lower Danube River, Europe'

MSc Quaternary Science (Distinction), Royal Holloway University of London 2013 — 2014

BSc (Hons) Degree in Geography and Environmental Management (First Class), University of the West of England (part time) 2009 — 2013

PUBLICATIONS ORCID | Google Scholar

18. Malinsky-Buller, A., *et al.* (2026). Investigating population dynamics in the Southern Caucasus: Current progress and future steps. Quaternary Science Reviews, 378, 109877.
17. Gevorgyan, H., *et al*. (2025) Lithostratigraphy, Geochronology and Early Humans: The evolution of Quaternary volcanic successions and their impact on archaeological sites in the north-western edge of the Ararat Depression, Armenia. *Quaternary Science Reviews*, 369, 109623.
16. Stanistreet, I., *et al.* (2025). Luminescence and radiocarbon dating the Naisiusiu Beds type section and timing of the Middle Stone Age/Later Stone Age transition at Olduvai Gorge, Tanzania, Tanzania. *Journal of Human Evolution,* 207, 103675.
15. Karampaglidis, T., *et al.* (2025) Paleolithic hominin occupations and Quaternary geomorphological evolution in the NE Ararat Depression (Armenia). *Quaternary Science Reviews*, 361, 109405.
14. Oikonomou, I.A.K., *et al.* (2025) Unravelling the formation processes and depositional histories of the Middle Palaeolithic Ararat-1 Cave, Armenia: A multiscalar and multiproxy geoarchaeological approach. *Quaternary Science Reviews*, 361, 109405.
13. Fenn, K., *et al.* (2025). Provenance of late Pleistocene loess in Central and Eastern Europe: isotopic evidence for dominant local sediment sources. *Scientific Reports*, 15 (1), 1624.
12. Duszyński, F., *et al.* (2024) Cliff-foot sandy cones: A proxy to study the time frames, patterns and rates of sandstone caprock decay? *Catena*, 247, 108529.
11. Skurzyński, J., *et al.* (2024) Implications of the geochemistry of L1LL1 (MIS2) loess in Poland for paleoenvironment and new normalizing values for loess-focused multi-elemental analyses. *Quaternary Research*, 1–18.
10. Marković, S.B., *et al.* (2024) The relationship between the loess stratigraphy in the Vojvodina region of northern Serbia and the Saalian and Rissian Stage glaciations – a review. *Boreas*.
9. Smedley, R. K., *et al.* (2023). Age-depth model for uppermost Ndutu Beds constrains Middle Stone Age technology and climate-induced paleoenvironmental changes at Olduvai Gorge (Tanzania). *Journal of Human Evolution*, 186, 103465.
8. Pánek, T., *et al.* (2023) The largest rock avalanches in Patagonia: Timing and relation to Patagonian Ice Sheet retreat. *Quaternary Science Reviews*, 302, 107962.
7. Stone, A., Fenn, K. (2023) Dating Aeolian Deposits. In: Shroder, J.F., Lancaster, N., Sherman, D.J., Baas, A.C.W. (2nd Ed.), *Treatise on Geomorphology*. Academic Press, San Diego.

6. Fenn, K., Prud'Homme, C. (2023) Dust deposits: Loess. In: Shroder, J.F., Lancaster, N., Sherman, D.J., Baas, A.C.W. (2nd Ed.), *Treatise on Geomorphology*. Academic Press, San Diego.
5. Fenn, K., *et al.* (2022) The provenance of Danubian loess. Earth Science Reviews, 226C, 103920.
4. Fenn, K., *et al.* (2021) A tale of two signals: Global and local influences on the Late Pleistocene loess sequences in Bulgarian Lower. *Quaternary Science Reviews,* 274, 107264.
3. Fenn, K., *et al.* (2020) Re-analysis of late Quaternary dust mass accumulation rates in Serbia using new luminescence chronology for loess-palaeosol sequence at Surduk. *Boreas, 49(3)*, 634-652.
2. Fenn, K., *et al.* (2020) A 180 ka record of environmental change at Erdut (Croatia): a new chronology for the loess-palaeosol sequence and its implications for environmental interpretation. *Journal of Quaternary Science,* 35(4), 582-593.
1. Fenn, K., *et al.* (2018) Insights into the provenance of the Chinese Loess Plateau from joint zircon U-Pb and garnet geochemical analysis of last glacial loess. *Quaternary Research,* 89, 645-659.

FUNDING

- INQUA, International Research Networks Grant**, €5,000**
- College of Sciences Massey University, Research Fund (Co-I), **13,000NZD**
- Quaternary Research Association, Richard West Grant (PI), **£5,500**
- Royal Society, Research Grant (2025); PI, **£28,000**
- Natural Environment Research Council, Greenland Arctic Research (2024); Co-I, **£20,000**
- The British Society for Geomorphology, Early-Career Researcher Grant (2021); PI, **£7,500**
- INQUA, INQUA Grant for a Workshop (2021); **€6,000**
- Polish National Science Centre, Q-MESA Project (2020); Co-I, **£200k**
- British Geological Survey, Steering Committee Grant (2017); PI, **£67,200**
- CASE Studentship, British Geological Survey (2016); PI **£7,000**
- NERC DTP PhD Studentship

ACADEMIC ENGAGEMENT

Invited talks

'Where did this sediment come from? Using geochemical tools to understand landscapes and sediment transport'. (2026). *British Society for Geomorphology, United Kingdom.*

'Dating in the dark: From grains and radiation to chronology (and dust fluxes)'. (2026). *Massey University, ANZ.*

'Provenance of dust. From geochemistry to atmospheric trajectories'. (2025) *UCD School of Earth Sciences Seminar, Dublin, Ireland.*

'Dust storms of Time – Earth's History told through the study of dust'. (2024). *Manchester Geographical Society, Manchester, UK.*

'Provenance of loess deposits along the Danube River and its implications for sediment production dynamics'. (2019). *Polish Academy of Sciences, Wroclaw, Poland.*

Recent conference presentations

'Loess provenance and transport mechanisms: Emphasising fluvial and local inputs in the Danubian region over Saharan contributions'. (2026). *International Conference on Geomorphology, Christchurch, ANZ.*

'From field to laboratory: Luminescence chronologies of Late Glacial sediments in the Cairngorm Mountains'. (2025). *UK Luminescence and Electron Spin Resonance Dating, St Andrews, UK.*

'Cliff-foot sandy cones: a proxy to study the time frames, patterns and rates of sandstone caprock decay?'. (2024) *UK Luminescence and Electron Spin Resonance Dating, Oxford, UK.*

'Sources and transport mechanisms of Danubian loess'. (2024). *QRA, Manchester, UK.*

'Sources of Danubian loess'. (2023). *XXI INQUA Congress*, *Rome, Italy.*