

Dr.

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Publications

Journal Publications

- 2023 **M. Blanz**, M. Balasse, D. Frémondeau, E. Gál, A. Oszás, A. Zs. Biller, É. Á. Nyerges, D. Fiorillo, E. Bánffy, M. Ivanova, 'Early Neolithic pastoral landuse at Alsónyék-Bátaszék, Hungary (Starčevo culture): New insights from stable isotope ratios', *PLOS One*, 1-25.
- 2022 **M. Blanz**, I. Mainland, M. Balasse, N. Card, P. Ascough, D. Fiorillo, M.A. Taggart, J. Feldmann, 'Life, Death and Teeth of Late Neolithic Sheep and Red Deer Excavated at Ness of Brodgar, Orkney Islands (UK)', *Environmental Archaeology*, 1-13.
- 2022 **M. Blanz**, S. Stewart, I. Mainland, P. Ascough, A. Raab, J. Feldmann, M.A. Taggart. 'Trace element ratios in tooth enamel as palaeodietary indicators of seaweed consumption and coastal grazing, and their broader applicability', *Journal of Archaeological Science* 139, 105551.
- 2022 S.T. Lancaster, G. Peniche, A. Alzahrani, **M. Blanz**, J. Newton, M.A. Taggart, W.T. Corns, E.M. Krupp, J. Feldmann, 'Mercury Speciation in Scottish Raptors Reveals Potential Uptake or Formation of Mercury Selenide Nanoparticles in Scottish Golden Eagles (*Aquila Chrysaetos*)', *Science of the Total Environment*, 829, 154557.
- 2020 **M. Blanz**, I. Mainland, M. Richards, M. Balasse, P. Ascough, J. Wolfhagen, M.A. Taggart, J. Feldmann, 'Identifying seaweed consumption by sheep using isotope analysis of their bones and teeth: Modern reference $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values and their archaeological implications', *Journal of Archaeological Science* 118, 105140.
- 2020 L. Brown, **M. Blanz**, J. Wishart, B. Dieterich, S. Schmidt, J. Russell, P. Martin, T.S. George, 'Is Bere barley specifically adapted to fertilisation with seaweed as a nutrient source?', *Nutrient Cycling in Agroecosystems* 118, 149-163.
- 2019 **M. Blanz**, P. Ascough, I. Mainland, P. Martin, M.A. Taggart, B. Dieterich, J. Wishart, K.L. Sayle, A. Raab, J. Feldmann, 'Seaweed fertilisation impacts the chemical and isotopic composition of barley: Implications for analyses of archaeological skeletal remains' *Journal of Archaeological Science* 104, 34-44.
- 2019 A. Retzmann, **M. Blanz**, A. Zitek, J. Irrgeher, J. Feldmann, M. Teschler-Nicola, T. Prohaska, 'A combined chemical imaging approach using (MC) LA-ICP-MS and NIR-HSI to evaluate the diagenetic status of bone material for Sr isotope analysis', *Analytical and Bioanalytical Chemistry* 411(3), 565-580.
- 2018 **M. Blanz**, K. Britton, K. Grant, J. Feldmann, 'Potential dietary, non-metabolic accumulation of arsenic (As) in seaweed-eating sheep's teeth: Implications for archaeological studies' *Journal of Archaeological Science* 94, 21-31.

2018 F. Drünert, **M. Blanz**, K. Pollok, Z. Pan, L. Wondraczek, D. Möncke, 'Copper-based opaque red glasses – Understanding the colouring mechanism of copper nanoparticles in archaeological glass samples', *Optical Materials* 76, 375–381.

Contributions in collection

2020 I. Mainland, **M. Blanz**, C. Webster, J. Ayres, 'Faunal remains from the Ness of Brodgar', In: N. Card, M. Edmonds, A. Mitchell [Eds.], *Ness of Brodgar: As it stands*, Kirkwall: Orcadian.