

**Niamh Adamson****Arts, Humanities and Cultures****The Italian book collection of The Leeds Library: mapping the circulation of Italian books between the eighteenth and nineteenth century in Leeds**

The aim of this project is to work on the Leeds Library's surviving catalogues (the 1768-1795 Early Members Database, borrowing registers and the minute's books) and the local newspapers of the last three decades of the 18th century in order to map and reconstruct the nineteenth-century readership of the Italian books.

**Tazuku Azuma****Biological Sciences****Optimisation of PETase assay for accurate quantification of PETase activity**

Our daily life depends heavily on single-use plastic goods, and is not sustainable considering the limited supply of resource. For this reason, there is a high demand for novel approach in recycling plastics, and the focus of the research is to improve the assay methodology used to quantify the amount of plastic degraded.

**Molly Buxton Phillips Allday****Engineering Physical Science****Investigating all cellulose composites as possible green composite materials to combat the textile waste produced at the hands of fast fashion.**

This project will involve investigating all-cellulose composites (ACCs), formed from textile waste, as possible green composite materials, to replace the extra things that are added to clothing that would usually be disposed of along with the discarded clothes e.g. hangers, packaging, labels.



Eleanor Dufton

Arts, Humanities and Cultures

Identifying Caribbean citizens in the French Resistance

This project forms part of a larger ongoing research project to identify members of the French Internal Resistance who came from the French Empire.



Pearls Eddo

Social Sciences

Multi-Academy Trusts (MATS)

This research will measure the level of impact (if at all) that gamifying learning has on improving the attainment score, content retention levels, and the uptake of core subjects at post-16 education, of ethnic minority and poor students at Multi-Academy Trusts.



Taqwa Elforjani

Arts, Humanities and Cultures

Research with BiteBack

The project is in partnership with BiteBack and will look at the possible policy developments or reformations that could be implemented by the government to tackle childhood obesity.



Reem Elkosseer
Business School

The experiences of “BAME” students: A listening rooms approach

This is a collaboration between Sheffield Hallam University (SHU) and University of Leeds (UoL). Pairs of friends have shared their experiences as black and ethnically minoritized students navigating their way through their student journey. This project involves analysis of the transcripts of recorded listening rooms to draw out key themes.



Katherine Fox
Environment

Eager about beavers? Quantifying and understanding killing of reintroduced beavers

In recent years, the idea of ‘rewilding’ has risen to prominence in European conservation. This approach emphasises the restoration of autonomous ecosystem functions and a reduction in human intervention in the environment. This research uses novel techniques in conservation social science to quantify the number of beavers killed or harmed in selected reintroduction projects, and to understand the full rationale for why people undertake such actions. By understanding this, we can look to have forms of rewilding that are both more effective but also more socially just and acceptable.



Mia Fulford

Arts, Humanities and Cultures

Nature as Rejuvenation in Textual Depictions of Isolation Past and Present.

This research will look at figurations of isolation and nature in various literary texts from the early 20th century to the present and focus on how the presentation of nature relates to textual themes of isolation.



Kimberley Guy

Medicine and Health

Improving involvement and recruitment of informal carers in mental health research: An integrative literature review

Estimates suggest that around 1.5 million people provide unpaid care for somebody with a mental health problem in the UK; most are family members. Recent research focused on informal carers' experiences, identified difficulties in involving and recruiting carers of people with SMI to health research. This study aims to address this problem by conducting an integrative review of published research to identify the most successful approaches to involvement and recruitment of this group of informal carers in health research.



Fatimah Hans

Medicine and Health

The future of water fluoridation in light of COVID-19. Has the disproportionate effect of COVID-19 on ethnic minorities strengthened the case for mass water fluoridation? A comparative study of two similar socio-demographic inner-city areas in the UK.

Amena Jamil

Biological Sciences

**A Global Capstone Experience**

Few students at Leeds have the opportunity to undertake a project that is globally relevant: addresses global grand-challenges, UN SDG's or involves working in partnership with students in the Global North or South, key elements of the Leeds Curriculum and the University's ambition to create impact on the global stage. The aim of this project is to rectify this by: 1) discovering exemplars of capstones where students are working in partnership with students in other countries to address the above; 2) creating a white paper and resources to facilitate the implementation of global capstones at Leeds and beyond; 3) gathering feedback globally on these and identifying global partners to take this Initiative forward.

**Corey Jones****Arts, Humanities and Culture****A Global Capstone experience**

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**Megan Lupo****Business School****Research with BiteBack - Policy development: Fiscal reform (Project Four)**

This project will show which, out of a variety of incentives, taxes and subsidies studied and refined in consultation with Bite Back 2030, will be the most effective in contributing to BiteBack's goal of halving childhood obesity by 2030.



Victoria Lynn
Social Sciences

Exploring teacher perceptions, understanding and experiences of autistic girls in secondary education.

Large gender differences in the perceived prevalence and diagnosis of autism have led to research traditionally focusing on boys. Nevertheless, there is growing evidence of differences in the way autism presents in girls and boys. Little is currently known about these differences and how they may impact on educational experiences, peer relationships and mental health. This large-scale project sets out to gain an in-depth understanding of this underexplored area.



Penelope Milner
Environment

Climate Change Threat and Authoritarianism (Pilot Study) - Project to be defined specifically for the six weeks/advice on how to manage.

Climate Change poses an increasing, existential threat around the world, but could the fact that climate change is finally getting the required attention and the rising awareness of its various threats potentially lead to less effective climate change policies or the abandonment of climate change policies altogether. Specifically, does climate change threat lead to increasing authoritarianism? Answering this question will be at the heart of this project.



Victor Mwendia
Engineering Physical Science

Inverse Problems and International Competition

This project will investigate sustainability challenges and opportunities for electrification of transportation at the university of Leeds campus. The electrification is concerned with the introduction of electrical vehicles (EVs) and electrical bikes (e-bikes) as a means of transportation to and from the university campus.

Nataljia Nassonova
Environment

**Understanding heart muscle organisation in dilated cardiomyopathies**

This research looks at the developing of imaging tools to investigate the organisation of heart muscle cells and the organisation of their constituent proteins in tissue samples from human hearts. This project aims to understand how the disease dilated cardiomyopathy affects protein and cellular organisation.

**Oran O'Neill****Arts, Humanities and Culture****International Voluntary Action in the Twentieth Century: Assessing the Impact of the IVS and SCI**

This project seeks to explore the origins and missions of two innovative voluntary organisations, the International Voluntary Service (IVS) and the Service Civil International (SCI).

**Holly Palmer****Biological Sciences****A Global Capstone Experience**

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Jakob Reuschling
Social Sciences

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Gabriel Rowland
Environment

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Molly Seaborn
Biological Sciences

Advancing Topographical Design of Microparticles for Disease Modelling Applications

This research will focus on (stem) cell-material interactions, and how these can be exploited to recreate original functionality for disease modelling, artificial stem cell niche engineering and designing cell therapies.



Daniel Taylor
Engineering Physical Sciences

Decarbonisation of University of Leeds campus through electrification

This project will investigate sustainability challenges and opportunities for electrification of transportation at the university of Leeds campus. The electrification is concerned with the introduction of electrical vehicles (EVs) and electrical bikes (e-bikes) as a means of transportation to and from the university campus.



Eleanor Thurston
Environment
Research with BiteBack

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Holly Ulliyott

Engineering Physical Sciences

Sulphide minerals in pallasite meteorites – fingerprints of early solar system processes?

This project will investigate the nature and significance of rare phosphorous-bearing minerals (phosphates and phosphides) and try to determine what phosphates and phosphides can tell us about the formation of pallasite meteorites and whether this group of meteorites really do provide a useful analogue for core-forming process on Earth.