



The Worshipful Company  
of Constructors



## **2020/21 Sustainability Scholarship**



**Name:** Safak Muslu

**Current Work Position:** Graduate Design Engineer

**Experience:**

I graduated in 2018 with a MEng Honours in Civil Engineering from the University of Bristol. From September 2018, I have worked as a Graduate Design Engineer working on various Railway, Highways and Marine projects.

**Reason for applying for scholarship:**

My interest for Circular Economy stemmed from during my time at university where I learnt about sustainable construction. I was inspired by the potential positive impact that Circular Economy can have on delivering sustainable development goals. During my time as a Graduate Design Engineer, the lack of guidance and decision-making tools for optimising circular economy principles in Infrastructure projects spurred me apply for the scholarship to undertake research into improving circularity into infrastructure projects.

**Research Description:**

***“Developing a tool for engineers by providing a practical indicator for the circular economy for specific design solutions”***

The aim of my research is to determine an effective method for design engineers to implement circular economy principles into projects. In adjacent to that, a survey will be sent to product manufacturers and suppliers to examine the extent of current practice of circular economy in their industry. The hope is to report on the benefits and potential limitations of the proposed method of instilling circularity into construction projects.