

## Special Issue

# Investigating Waste Behaviours for Reducing the Strain on Critical Infrastructures

### Message from the Guest Editors

In order to create a sustainable society, there needs to be a change in both societal behaviours and the technology currently in place. The main challenges are that there is no in-depth knowledge or understanding of waste behaviour, a lack of technological solutions to address this and stark inequalities globally in current critical infrastructure systems. This special issue aims to invite research articles (including theoretical and applied works) that will further the understanding of waste behaviours, the reliability/availability and resilience of critical infrastructures, and the use of advanced technologies for reducing waste. Areas of interest include the following: -Food, Water and Energy waste behaviour

- Digital twins for infrastructure management
- AR/VR for greater process awareness
- Critical infrastructure optimisation and precision
- Transmission / distribution network regimes
- Component importance measures
- Smart grid/smart metering
- Preventative maintenance with artificial intelligence
- Supply resilience and resilient infrastructure design
- Green computing technologies for reduced emissions

### Guest Editors

Dr. William Hurst

Dr. Kwabena Ebo Bennin

Dr. Ben Kotze

Dr. Tonderayi Mangara

### Deadline for manuscript submissions

closed (30 April 2022)



## Infrastructures

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### Editor-in-Chief

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