Table 1: <w:rPr><w:b w:val="true"></w:b></w:rPr>Global Health Engineering - Projects<w:rPr><w:b w:val="false"></w:b></w:rPr>

PhD, MSc and BSc Projects in 2021 and 2022

|  | Project Title | Thematic Area | Country |
| --- | --- | --- | --- |
| MSc |
| Semester Project | The state of Open Research Data practices and policies in the Engineering Sciences | NA | Switzerland |
| Semester Project | Energy production of Black Soldier Fly Larvae: Measuring the temperature increase in air induced by Black Soldier Flies throughout their larval stages | Organic Waste | Switzerland |
| Semester Project | Design and Validation of a Thermal Disinfection Unit for Wastewater using Biogas in Humanitarian Crisis Situations | Human Waste | Kenya |
| Semester Project | Investigating the Optimization Potential of Brick Clamps in Malawi - Thermal efficiency analysis and perspectives of brickmakers | NA | Malawi |
| Semester Project | Examination of non-recycled marine plastic litter in order to identify recycling and beneficiation pathways in Durban, South Africa | Anthropogenic Waste | South Africa |
| Semester Project | Bin it - Pilot design of an AHP waste collection model for informal settlements in South Africa | Anthropogenic Waste | South Africa |
| Semester Project | Humanitarian Sanitation Solution - Design and validation of a thermal desinfection unit for wastewater using Biogas for humanitarian crisis situations | NA | Kenya |
| Semester Project | Optimization of solid waste collections in Blantyre, Malawi | NA | Malawi |
| Thesis | Effect of fruit and vegetable waste in anaerobic digestion using faecal sludge as primary feedstock | Organic Waste | NA |
| Thesis | Suitability of the Modified Bardenpho process for faecal sludge treatment in Kumasi, Ghana | Human Waste | Ghana |
| Thesis | Thermal analysis and optimization potential of traditional brick clamps in Malawi | NA | Malawi |
| Thesis | Evaluating the potential Extended Producer Responsibility returns for plastic-packaging riverine waste in Durban, South Africa | Anthropogenic Waste | South Africa |
| Thesis | Relationship Between Solid Waste Generation And Extent Of Burning In Urban Blantyre Households, A Case Of Ndirande. | NA | Malawi |
| Thesis | Barriers to successful data management in the Global South - Case Study of Malawi | NA | Malawi |
| BSc |
| Thesis | Feasibility of Waste Maize Husk Valorization as a Plastic Plate Replacement in Durban, South Africa | Organic Waste | South Africa |
| Thesis | Low-cost compost screening technology to improve trash separation | Organic Waste | Switzerland |
| Thesis | The Development of a Recycled Plastic Wheel for Cardboard Collector Trollies - Improving the working conditions of informal cardboard recyclers in Durban, South Africa | Anthropogenic Waste | South Africa |
| Thesis | Improving Market Wash Stations Through Creative and Contextual Design in Durban, South Africa. | Human Waste | South Africa |
| PhD |
| Thesis | Evaluating a case of closed-loop plastic recycling in Malawi | Anthropogenic Waste | Malawi |
| Thesis | Extent and markers of open waste burning | Anthropogenic and Organic Waste | Malawi |
| Thesis | How biogas failed to light up a continent: why the most promising technology never spread across Africa. | Organic Waste | Malawi |