

# Global Health Engineering - Projects

PhD, MSc and BSc Projects in 2021 and 2022

	Project Title	Theme	Country
<b>MSc</b>			
<b>Semester Project</b>	The state of Open Research Data practices and policies in the Engineering Sciences		Switzerland
<b>Semester Project</b>	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
<b>Semester Project</b>	Design and Validation of a Thermal Disinfection Unit for Wastewater using Biogas in Humanitarian Crisis Situations	Human Waste	Kenya
<b>Semester Project</b>	Investigating the Optimization Potential of Brick Clamps in Malawi - Thermal efficiency analysis and perspectives of brickmakers		Malawi
<b>Semester Project</b>	Examination of non-recycled marine plastic litter in order to identify recycling and beneficiation pathways in Durban, South Africa	Anthropogenic Waste	South Africa
<b>Semester Project</b>	Bin it - Pilot design of an AHP waste collection model for informal settlements in South Africa	Anthropogenic Waste	South Africa
<b>Semester Project</b>	Humanitarian Sanitation Solution - Design and validation of a thermal disinfection unit for wastewater using Biogas for humanitarian crisis situations		Kenya
<b>Semester Project</b>	Optimization of solid waste collections in Blantyre, Malawi		Malawi
<b>Thesis</b>	Effect of fruit and vegetable waste in anaerobic digestion using faecal sludge as primary feedstock	Organic Waste	
<b>Thesis</b>	Suitability of the Modified Bardenpho process for faecal sludge treatment in Kumasi, Ghana	Human Waste	Ghana
<b>Thesis</b>	Thermal analysis and optimization potential of traditional brick clamps in Malawi		Malawi
<b>Thesis</b>	Evaluating the potential Extended Producer Responsibility returns for plastic-packaging riverine waste in Durban, South Africa	Anthropogenic Waste	South Africa
<b>Thesis</b>	Relationship Between Solid Waste Generation And Extent Of Burning In Urban Blantyre Households, A Case Of Ndirande.		Malawi
<b>Thesis</b>	Barriers to successful data management in the Global South - Case Study of Malawi		Malawi

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### BSc

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<b>Thesis</b>	Feasibility of Waste Maize Husk Valorization as a Plastic Plate Replacement in Durban, South Africa	Organic Waste	South Africa
<b>Thesis</b>	Low-cost compost screening technology to improve trash separation	Organic Waste	Switzerland
<b>Thesis</b>	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
<b>Thesis</b>	Improving Market Wash Stations Through Creative and Contextual Design in Durban, South Africa.	Human Waste	South Africa

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### PhD

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<b>Thesis</b>	Evaluating a case of closed-loop plastic recycling in Malawi	Anthropogenic Waste	Malawi
<b>Thesis</b>	Extent and markers of open waste burning	Anthropogenic and Organic Waste	Malawi

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