

VACATION RESEARCH SCHOLARSHIP SCHEME
List of Research Proposals

Faculties	'A' Level Holders	UoM Undergraduate Students	UoM Graduates
Faculty of Agriculture			
		Virus diseases of poultry	Amplification of virus genes
		DNA extraction from plant species	Detection of plant pathogens
		DNA extraction from bacteria	Innovative methods in the production of <i>Pleurotus ostreatus</i> mushroom
		Production of edible indigenous mushrooms	Propagation of plants by tissue culture
			Investigating bioactive properties of local plants on a selected agricultural pest
			Comparative evaluation of sanitary and phytosanitary requirements of Mauritius, Madagascar and Mozambique
			Pest risk assessment of a selected species
			Investigating plant protection and soil fertilization practices of local organic vegetable producers
			Investigating fertilizer and pest control properties of some seaweeds
			Studies on composted seaweeds
			Carbon sequestration potential of a selected ecosystem
			Investigating heavy metal pollution in a selected ecosystem
			Studies on composted vinasse
			Studies on composted waste paper
			Mapping the supply chain of broiler chicken in Mauritius to assess the impact of external threats
			A study on the influence of plant canopy dimensions on quality attributes of Roselle calyees
Faculty of Engineering			
		Quality – collect data from a ONE or MORE industry/ies and develop a model for similar industries for improving productivity (industry based)	Quality – collect data from a ONE or MORE industry/ies and develop a model for similar industries for improving productivity (industry based)
		Petrinets – Modelling and simulation of any ONE industry (industry based)	Petrinets – Modelling and simulation of any ONE industry (industry based)
		Genetic Algorithms – Application to any ONE industrial scenario (industry based). NOTE: For all the above tasks, the student need to identify and interact with an industry on his own.	Genetic Algorithms – Application to any ONE industrial scenario (industry based). NOTE: For all the above tasks, the student need to identify and interact with an industry on his own.
Faculty of Law & Management			
		Climate Change: Disaster and Poverty	Climate Change: Disaster and Poverty
		The Profile of Women Entrepreneurs in Mauritius	
Faculty of Science			
		Study of the properties of synthetic/natural polymers	Synthesis of polyesteramides
		Analysis of the Dispersion and the Dissipation of a high order approximation to the telegraph equation	
Faculty of Social Studies & Humanities			