



THE PAPUA NEW GUINEA
UNIVERSITY OF TECHNOLOGY

POSTGRADUATE SCHOOL

Postgraduate Thesis Titles with Supervisors - 2022

Name of Student	Department	Program	Thesis Title	Supervisor (s)
Stanley YANE	AGRICULTURE	MPhil	Determining Soil Water Holding Capacity of Oil Palm Growing Soils at West New Britain (WNB) and Ramu Agri Industries Limited (RAIL) in Papua New Guinea	Dr Banabas/Dr Rao
William NANO		MPhil	Evaluation of the Learning Process of Village Community Educators (VCEs) in Chicken Feed Making in the Jiwaka Province of Papua New Guinea	Dr Kerua/Dr Bue
Raylin GENA		MSc	Examining the Success and Constraints of Women Fresh Produce Resellers at the Lae Urban Food Market in Morobe Province, Papua New Guinea	Dr Bue
Raymond MANUS		MSc	Using Simple Sequence Repeat Polymorphism to Assess the Extent of	Prof. Okpul

	AGRICULTURE		Genetic diversity in <i>Leersia hexandra</i> Species of Papua New Guinea	
Lisa PASKALIS		MSc	Observations on the Expression of Corn Storage Weevil Resistance and Genetic Diversity in an Inbred Corn Population in Papua New Guinea	Prof. Okpul
David KOLKOMA	APPLIED PHYSICS	PhD	Radiometric Dose Profiling of the Mineral Rich Regions of Papua New Guinea	Dr Pereira
Michael TEAMAU		MTech	Essentials of Natural Gamma Ray Spectrometry (NGS) Interpretation in Petrophysical Analysis	Dr Ali
Issac Maip PENDIKALI		MTech	Stress Analysis from Petrophysical Data for Drilling Horizontal Well and Optimum Production of Coal Bed Methane (CBM)	Dr Ali
Blasius Sine JOHN		MTech	Well Log Analysis of Raptor-1 and Lithostratigraphic Well Correlation in the Eastern Papuan Basin, Gulf Province, Papua New Guinea	Prof Mukhopadhyay
Ngene Cyril TOCHUKWU		MTech	An Appraisal of Geothermal Resources in the Middle Benue Trough Nigeria, Using Remote Sensing and Geophysical Methods	Prof Mukhopadhyay
Kenson TONNY		MSc	Ground Based Microcontroller-based Data Acquisition (DAQ) and Transfer for Renewable Energy Systems in PNG	Dr Pereira
Nathan RANDA		MSc	Microcontroller Based Automatic Control of Firefighting System in Lae, Papua New Guinea.	Dr Pereira
Mathew Norpa WAIMBO		MSc	Synthesis and Photocatalytic Studies of Metal Tungstate Nanoparticles for Dye Degradation Applications.	Dr Pereira

Malcolm DOPAIM	APPLIED PHYSICS	MSc	On the Study of Atmospheric Properties of Papua New Guinea Based on Statistical and Wavelet Analysis Techniques	Dr S Kumar
Hendrix NEKI	COMMUNICATION AND DEVELOPMENT STUDIES	MCS	Impacts of Tribal Fights on the Developments in Eastern Highlands Province: A Case Study of Kainantu District from 2001 to 2021	Prof Gilder/Mrs Ambelye
Grace McCoy WANTEPE	CIVIL ENGINEERING	MPhil	Health Monitoring of Steel Girder Bridge: A Case Study of Butibam and Bumbu Bridge in Lae City	Dr Betasolo
Noel MARTIN		MEng	Improve Established Sacrificial Anodes of Reinforced/Steel Structures to Impressed Current CP System in Puma Energy Throughout PNG	Dr A. Mohamed
Melvin MINALA		MSc SWRM	Assessment of Heavy Metals Concentrations in Sediments Along the Lagaip-Strickland River System in Papua New Guinea	Dr R. Subramanyam
Nathaniel DASYAL		MSc SWRM	Phytoremediation Characteristics: Tailing Waste Rehabilitation at Ok Tedi Mining Limited, Western Province, Papua New Guinea	Dr W. Modey/Dr Betasolo
Charles FERIWOK		MSc SWRM	Rehabilitation of a 49-Year-Old Sewage Pond	Dr Betasolo
Unaro YAUO		MSc SWRM	Valorisation of Human Organic Waste for Sustainable Domestic Biogas and Fertilizer Synthesis	Dr Betasolo
Willie DOAEMO		MSc SWRM	Estimating the Relative Importance of Environmental, Anthropogenic and Social Factors in Influencing Water Quality in the Bumbu Watershed, Lae, Morobe Province, Papua New Guinea	Dr Betasolo

Mathew PUA	ELECTRICAL AND COMMUNICATION ENGINEERING	MPhil	Dynamic Load Frequency Control of Micro-Grids with Diverse Distributed Energy Resources	Dr Kavi/Dr Ashish Luhach
Sylvester TIRONES		MPhil	Design of microcontrollers based smart battery management system enhancement for off-grid remote homes	Dr Kavi/Dr Raj Kumar
Wilson KEPA		MPhil	“GSM” based remote distribution transformer condition monitoring system”	Dr Ashish Luhach
Isaiah KOLDAI		MPhil	Design of Renewable Energy Based Micro-Grid for Rural Electrification in Papua New Guinea	Dr Fisher
Daniel Solomon OKENA	FORESTRY	MPhil	Ecology of non-volant mammal communities along elevational gradient in Papua New Guinea	Prof. Gideon/Mr Bau
Gabriel PETUEL		MPhil	Ecological role of alien plant species in early successional vegetation along lowland rainforest of Papua New Guinea	Prof. Gideon/Mr Bau
Boaz ANDREWS	MATHEMATICS AND COMPUTER SCIENCE	MPhil	Least Squares Method: Linear and Nonlinear Regressions	Prof. Ursul
Jerry Kaip PARAKA	SURVEYING AND LAND STUDIES	MPhil	Upgrading PSM infrastructure of Lae city	Mr Navua

Note: PhD= Doctor of Philosophy; MPhil = Master of Philosophy; MSc = Master of Science; MTech = Master of Technology in Exploration Geophysics; MCS = Master of Communication Studies; MEng = Master of Engineering in Civil Engineering; MSc SWRM = Master of Science in Solid Waste Resource Management.