

## Technical Program for 6<sup>th</sup> Science Research Conference: 14<sup>th</sup> November 2018

08:00 – 14:00	Opening Ceremony
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Session:	Biology		Chemistry and Biochemistry		Geology	
Venue:	W0100		X146/ X149		W112	
Chair:	Mrs. Elizabeth Land and Ms. Panduleni Shipoh		Mr. Gariseb Niclaas and Prof Edet Archibong		Dr Kamal Regmi	
14:00 - 14:15	L. Shipingana	Identification and characterisation of venom proteins from <i>Naja Mozambique</i> and <i>Naja nigricincta nigricincta</i>	N.V. Ndozi-Okia	Antioxidant potential of patent medicinal plant products, Tian Immune Booster (TIB)	S. M. Mandevhu	The Distribution and Occurrence of Lithium-bearing Minerals in the Helikon 5 Pegmatite in Karibib, Namibia
14:15 - 14:30	OKH. Katali	Functional characterisation of the hypertrehalosaemic hormone II from the Indian stick insect <i>Carausius morosus</i> : carbohydrate-mobilisation and cardio-stimulatory activities	HC Uiras	Phytochemical Screening of <i>Boscia albitrunca</i> (Shepherds tree) Seed Extracts	C.P Mbangu	The Geology and Geochemistry of Granitic Intrusions and Basement rocks in the Upper Khan River
14:30 - 14:45	HM. Bock	Antibacterial and antibiofilm activity of crude methanolic extracts of <i>mundulea sericea</i> and <i>asparagus exuvialis (burch)</i> against wound infecting and multi drug resistant pathogens	B. Chunga	Synthesis of symmetrical mono-keto curcumin derivatives and evaluation of their antioxidant and antimicrobial activities	A. M. Mwandingi	Mineralogical and petrographic characterization of the ongombo deposit
14:45 - 15:00	C. R. Loemba Malassy	Detection of the genetically modified organisms (GMOS) in potatoes	Amadhila R	Use of Moringa seed proteinous extract for treatment of synthetic turbid water	L.P. Shifeleni	Petrography and Geochemistry of Kumbis/Kairab Formations in Sinclair-Helmeringhausen-Awasib Terrane
15:00 - 15:15	K. Kamukwema	The effect of Yeast Viability on Turbidity of Beer	Henry A	Comparison of the phytochemical profiles and antioxidant activities of the traditional herbal remedy ( <i>Balbine frutescens</i> ) in its fresh and dry form	J. N. Nghipandulwa	Hydrograph interpretation, establishment of rates and timing of recharge for shallow Kalahari perched aquifers in Ohangwena region, Namibia
15:15 - 15:30	S.N. Haimbodi	Isolation and identification of actinomycetes strains from a soil sample of Rehoboth	J.P Hango	Characterization and antioxidant activity of crude protein extracted	L. Hailaula	The Geology, Petrography and Geochemistry of Aris Phonolites



				from different landraces of Bambara groundnut seeds		
15:30 - 15:45	Tea break					
15:45 - 16:00	K. Tjirare	Phytochemical screening, antioxidant activity and antibacterial activity of select medicinal plants found in Southern Africa	F.V.N Jakob	Qualitative Structure Property Relationship (QSPR) Study Of Edaravone: A New Drug Molecule for Treating Amyotrophic Lateral Sclerosis (ALS)	M. Nyama	Hydrological and hydrogeological characterization of the Rietfontein Catchment, Namibia
16:00 - 16:15	F. Izaks	Antibacterial Activity of crude methanolic extracts of <i>Artemisia annua</i> leaves and stems and <i>Kalanchoe pinnata</i> whole plant against <i>Staphylococcus aureus</i> , <i>Bacillus cereus</i> and <i>Escherichia coli</i>	M. Kahiriri	Protein diversity between drought exposed and well-watered plants of Marama bean ( <i>Tylosema esculentum</i> )	N L Masule	Age dating of the groundwater in the perched aquifers in Okongo area, Ohangwena Region, Namibia
16:15 - 16:30	K Klemens	Isolation and molecular characterization of fungi associated with sorghum grain	Clarke K	Antioxidant profile comparison of commercial tea ( <i>Camellia sinensis</i> , <i>Asphalathus linearis</i> ) and three traditional Namibian tea	<b>Discussion</b>	
16:30 - 16:45	A. Amadhila	Immunostimulation, antioxidative and prebiotic properties of polysaccharides extracts of the edible mushrooms <i>Kalaharituber pfeilii</i> and <i>Termitomyces schimperi</i>	Mika TJ	Interactions of Selected Antibiotics with Surfactants Studied Using Surface Tension Measurements		
16:45 - 17:00	D. Chibambo	Assessing the impact climate change has on the flowering phenology of Namibian <i>Oxalis</i> L. species	E. F. Kaudinge	Monomeric composition of polysaccharides from selected Namibian legumes using thin layer chromatography		
17:00 - 17:15	M. Dumeni	Population structure and abundance of <i>Mytilus galloprovincialis</i> and <i>Perna perna</i> along the central coast of Namibia	F.N.P Amadhila	Phytochemical analysis and antioxidant potential of <i>Gunnera perpensa</i>		
17:15 - 17:30	M.P. Mwilima	Determination of the phenological response of the genus <i>Barleria</i> L. to climate change in Namibia	S. T Ndjubila	The synthesis and characterization of a chemosensor for the application of detecting ions in organic aqueous soluble medium		

17:30 - 17:45	K. Angula	Identification of different bacteria and analysing their effects on the pH and foam stability of fermentaion, unpausteurized and final products of beer	MS Angula	Phytochemical screening of <i>Boscia albitrunca</i> (Shepherd's Tree) fruit peel extracts	
17:45 - 18:00	KH Piechazek	Snakebite injury in Namibia	V. T. I. Mupupa	Isolation and biochemical characterization of microorganisms present in used engine oil contaminated soil from Katutura, Namibia	

Session:	Computing		Mathematics		Military science	
Venue:	W213		Y154		Y152	
Chair:	Mr. Gabriel Nhinda, Mr Anton Limbo, Ms Maria Ntinda and Ms Aina Hauwanga		Ms Elise Lazarus and Ms Bertha Nambahu		Mr Kefas Kunyungule and Ms Charlene Simataa	
14:00 - 14:15	M. Maambo	Dining Hall Booking Meals and Menu System	J. T. Mwanyekange	Adaptive Step size Numerical Methods For Solving Ordinary differential equations	Shalumbu	The possible use of UCAV's in the Namibian Navy
14:15 - 14:30	B.Z. Groenewaldt	Two-Stage Vehicle Tracking and Ignition Lock Disabling System (ILDS) using an App	D.T. Jinga	Analytical, semi-Analytical and Numerical Methods for Fractional Differential Equations	A. Kadonga	Air space security assessment on the impact of non-coverage areas/airspace by the air defence radar system: a case study of the Namibian Air Force
14:30 - 14:45	M. Hekandjo	Silas Ndapuka Heavy transport online bus ticket reservation system	S. Amaambo	A theory of tail risk measures	P.T. Nkandi	The impact of budget cut on military education operation: A case study of Junior Staff Course, Command and staff College, Karibib
14:45 - 15:00	M.Mumba	A news summarization and recommendation system using natural language processing	C.M Kafukanya	Fractional Black-Scholes PDE's for pricing Foreign Exchange Options	K. Ashipala	An Exploration of the Impact of Air Traffic Controllers' Long Shifts: A Case of Grootfontein and Ondangwa Airports, Namibia
15:00 - 15:15	A. Bratha	Designing secured WAN using IPsec VPN: Case study University of Namibia	A.K Simanga	Contemporary Approaches To The Modeling Of Financial Bubbles	J. Ndiwakulunga	Optimizing Vessel Maintenance Costs for the Navy



15:15 - 15:30	T.A. Chanakira	Preserving Indigenous Knowledge: Natural Language Processor for English to Shona text-based translation	T. Hamutoko	Evaluation of Namibia's household's indebtedness and its probable impact on the overall financial stability of the country	H. W. Shiinda	Computerised utility facility management at Namibian airports - Eros Airport
15:30 - 15:45	Tea break					
15:45 - 16:00	P. Hishekwa	A Mobile App for Student Classroom Records	L. Sofika	Dynamic Loan Loss Provisions in Banks	L. M Immanuel	Investigation on the causes of accidents and incidents of light aircraft: Namibia case study
16:00 - 16:15	F.E.D. Muhongo	Secured raspberry pi cluster cloud storage (r- $\pi$ c2s2) from ddos attacks	T. Makuvaza	Portfolio Optimisation using fuzzy systems	P.S Rehabeam	Assessing the impact of improper waste disposal on human health and environment in Havana informal settlement
16:15 - 16:30	K.Kozonguizi	Prototype of an online blood bank management system	M. Uupindi	Numerical Methods for Black-Scholes Equation	L. H Monima	An assessment on the effectiveness of airport screening system: a case study of Ondangwa airport
16:30 - 16:45	K. Kazauana	An Integrated Information Sharing System for Agriculture Stakeholders	L. Murisa	A Mathematical Model to Determine the Best Selling Price and Optimal Time-on-the-Market of a House	J. Amutenya	A perceptive study of the ex-combatant officers on the level of personnel combat readiness in Namibian army of new blood soldiers. A case study of Anti-Air Defence Brigade (AD Bde), Khomas region, Windhoek
16:45 - 17:00	G. Musweu	Tracking and management system for the oasis	K. Endjala	Taylor series expansion for financial derivatives	<b>Discussion</b>	
17:00 - 17:15	<b>Discussion</b>		L. N. Shiikwa	On the higher order taylor's method		
17:15 - 17:30			T. Wilbard	Semi-Simple Lie Algebra		
17:30 - 17:45			S. Haihambo	Analysis of system of parabolic partial differential Equations modelling tumour cells		
17:45 - 18:00			J. Upani	Finite difference discretization of the fisher's equation		

Session:	Physics		Statistics and Population Studies	
Venue:	W214		W111	
Chair:	Dr Eli Kasai		Dr Opeoluwa Oyedele and Mr Immanuel Shipanga	
14:00 - 14:15	V. Nakafingo	Radiological cancer risk assesment of natural radioactivity of Windhoek, Namibia	V Charamba	Validation of the survey tool for measuring Food Insecurity for the HCP project for Windhoek City: An Item Response Theory (IRT) Approach
14:15 - 14:30	N. R. Rengura	An Assessment and Interpretation of Aeromagnetic data over the Tsaobis area, Erongo region, Namibia	F. Amutenya	Space-time modelling of unemployment in Namibia
14:30 - 14:45	A.M. Joao C.S.S.Pena	Solar resource data - its analysis and use for modelling energy output of PV system in Windhoek, Namibia	R Nghikongwa	A statistical analysis of factors influencing teenage pregnancy in Namibia
14:45 - 15:00	S.E. Kankondi	A study of determining the properties of asteroids from occultation measurements	Shinyemba T	Food Security and Quality of Life in Windhoek Informal Settlements: A Structural Equation Modelling Approach
15:00 - 15:15	A. S. Miguel	Design construction and testing of a solar cooker appropriate for Namibian climate	Shilomboleni H	A Quantile Regression Analysis on Factors Influencing Blood Pressure Levels in Namibia
15:15 - 15:30	N.S. Simasiku	Review of observational evidence of the accelerated expansion of the universe using supernova data	Stephanus P	A statistical analysis of highly voluminous data: a special case of Principal Component Analysis (NUST)
15:30 - 15:45			Tea break	
15:45 - 16:00	S.K Nandjedhi	Estimation of the radon concentration and exhalation rate in the soil of Windhoek, Namibia	Shimaanda M	Modelling factors affecting the Severity of Injury from Motor Vehicle Traffic Crashes in Namibia
16:00 - 16:15	T. Simon	The study of the origin of diffuse x-ray emissions from globular clusters	Mumbuu R	A Hurdle Regression Model for Exploring the Factors Affecting the Pass Rate of Grade 10 Learners in Khomas Region
16:15 - 16:30	A.L Robert	Estimation of the Lifetime cancer risks due to Gamma radioactivity in the soils of Oshakati, Namibia.	Shikongo J	Mapping the hiv/aids epidemic in namibia using bayesian spatial modelling
16:30 - 16:45	Dr. Mbela Kalengay	Structural, magnetic and optical studies of $Mg_{0.2}Fe_xCr_{0.8}O_3$ nano oxides	Haufiku AP	Modelling risk factors for psychotic conditions and depression among adults in Namibia
16:45 - 17:00	K.M. Mphale	An empirical relation for dielectric breakdown in vegetation fires	Shipanga A	A spatiotemporal analysis of survival among TB and HIV co-infected patients in Erongo Region, Namibia
17:00 - 17:15	E. Kasai	Type Ia supernova equivalent widths and applications to host galaxy dust reddening	Kashihalwa S	Modelling progression of HIV/AIDS disease stages using homogenous semi-Markov processes: Cohort study, Namibia
17:15 - 17:30	H. Angula	Assessment of Radon-222 in the soil of Rossing Uranium Mine, Arandis, Namibia	Nakaluudhe J	A copula approach to sample selection modeling of treatment adherence and viral suppression among HIV patients on antiretroviral therapy in Namibia
17:30 - 17:45	I. L Shawapala	Design of a grid connected photovoltaic system for institutional use	Petrus A	An application of survival analysis on the prevalence and risk factors of breast cancer in Namibia
17:45 - 18:00	S. Iiyambo	A review of progress in raising the efficiency of organic photovoltaic cells	<b>Discussion</b>	



## Technical Program for 6<sup>th</sup> Science Research Conference: 15<sup>th</sup> November 2018

Session:	Biology		Chemistry and Biochemistry (Group A)		Chemistry and Biochemistry (Group B)	
Venue:	W0100		X146		X149	
Chair:	Mrs. Elizabeth Land and Ms. Panduleni Shipoh		Mr. Gariseb Niclaas and Prof Edet Archibong		Dr. Muvuri Tjiurutue and Prof Edet Archibong	
08:00 - 08:15	K. Shilongo	Herbaceous species composition, richness, diversity and abundance on farm Kiamsab West 364, Namibia	T. Amiila	Synthesis of Calcined Co Fe Hydrotalcites and Characterization with SEM and TEM on the Efficient Removal of Colour and Organic Matter from Contaminated Water	MDR. Daniel	Antioxidant analysis of <i>Boscia albitrunca</i> (Shepherd's Tree) traditional drink at various time points from Erongo region of Namibia
08:15 - 08:30	R. Iipinge	This is a comparison of biological efficiency for oyster mushrooms grown on liquid and solid spawned substrates	W. Shikudule	Small Scale Synthesis of $\alpha$ -Pinene Derivatives	S.N. Haitembu	Antioxidant potential of selected hydrazone based ligands
08:30 - 08:45	S. Kadhikwa	Assessment of cattle forage selectivity in relation to grazing value of herbaceous plants on Farm Kiamsab West 364, Namibia	J. Shomeya	Synthesis of oximes of mono-keto curcumin derivatives and evaluation of their antioxidant and antimicrobial activity	Iitula JE	Green synthesis of silver and gold nanoparticles from <i>Moringa oleifera</i> leaf and seed extracts and their characterizations
08:45 - 09:00	M. Muyongo	Cytotoxicity and antimicrobial activity of <i>Ochna pulchra</i> berries from Zambezi region	J. T. I. Shaalukeni	Photochromic Properties of Silver/Titania Composite Thin Films Characterization of Ag/TiO <sub>2</sub> composite thin films	N. N. N. Nandjebo	Phytochemical screening and antimicrobial susceptibility testing of <i>Eucalyptus dalrympleana</i> leaf extracts
09:00 - 09:15	F. Shigwedha	Screening Lactic Acid Bacteria for the Production of Exopolysaccharides and its Characteristics	M. Hamushembe	Removal of organic compound contaminants in water with activated carbon derived from Acacia seed pods	E. N. Iita	Investigating the antimicrobial properties of selected hydrazone based ligands
09:15 - 09:30	M. Kahungu	Spatial distribution of macroinvertebrate on rocky intertidal shores, along central coast of Namibia	W. N. Hatutale	Phytochemical and antioxidant activity analysis of <i>Amaranthus thunbergii</i> and <i>Cleome gynandra</i>	O.N. Natanael	Extraction of some primary and secondary metabolites and Thin Layer Chromatography (TLC) from different parts of marama beans ( <i>Tylosema esculentum</i> )



09:30 - 09:45	E. N. Haukongo	Evaluation of sows and piglets management in communal areas of Okaku constituency in Oshana region	L. N. Wanaango	Chemical analysis of <i>Diospyros lycioides</i> Roots and Stems	F. I. Ngolowa	Phytochemical profile comparison of commercial tea ( <i>Aspalathuslinearis</i> and <i>Camelliasinensis</i> ) and three traditional Namibian tea
09:45 - 10:00	C. Likando	Investigating the footprint of climate change on the flowering phenology of <i>Tribulus zeyheri</i> Sond, <i>Tribulus cristatus</i> C. Presl and <i>Tribulus terrestris</i> L. in Namibia	J.N. Nande	Quantitative Structure Property Relationship (QSPR) Studies of Galeterone: A New Drug For The Treatment of Prostate cancer	S.H. Kanalelo	Antioxidant potential of selected hydrazone ligands
10:00 - 10:15	Tea break					
10:15 - 10:30	M. N. Kakove	Estimating the density of two independent leopard ( <i>Panthera pardus</i> ) populations using hierarchical spatial capture recapture in Namibia	L. M. Kamberipa	Synthesis of Asymmetrical Mono-Keto Curcumin Analogues and Evaluation of Their Antioxidant and Antimicrobial Activities	M. Ntinda	Extraction of alkaloids from <i>Nymphaea nouchali</i> var. <i>petersiana</i> from Zambezi Region, of Namibia
10:30 - 10:45	M. Ndishimonima	A spatial comparison of abundance and body length variation of <i>Scutellastra natalensis</i> and <i>Scutellastra miliaris</i> among rocky intertidal zones at Long Beach and Dolphin Beach along the central coast of Namibia	M.O. Shipiki	Isolation and Characterisation of the Potentially Toxic Metabolites from <i>Trachyandra laxa</i> a Toxic Plant Responsible for Livestock Losses	Aikali J	Molecular identification of uropathogens in urine contaminated soils of Windhoek
10:45 - 11:00	A.T. Nekwaya	Identification of wild yeast contamination in fermentation and laageering tanks and its effect on the quality (pH, haze) of unpasturized beer	J. Ndashivika	Waste water treatment using activated carbon from Banana peels at different temperature	L.N. Amupala	Carbohydrates in the mesocarp and phytochemicals in the peels of unripe and ripe <i>Oongongo</i> ( <i>Sclerocarya birrea</i> ) and <i>Oonyandi</i> ( <i>Diospyros mespiliformis</i> ) fruits
11:00 - 11:15	L. W. Boois	Screening and partial characterization of lactic acid bacteria isolated from beef biltong in Namibia	J. Shileka	Synthesis and characterization of a dual chemosensors for detecting anions and cations in organic soluble aqueous environment	M.N Jegonia	Evaluation of the Antimicrobial and antioxidant activity of extract from <i>Myrothamnus flabellifolius</i> plant
11:15 - 11:30	A. Siyaya	Conserving and preserving the cheetah through effective	S. Simpande	Nutritional evaluation of <i>Nymphaea nouchali</i> var. <i>petersiana</i> tubers from Zambezi region	D. Samuntu	Anti-HIV investigation of selected hydrazone based ligands

		conservation, research and education strategies				
11:30 - 11:45	L.E. Kaali	Comparative Analysis of Antibacterial Activities of <i>Kigelia Africana</i> and <i>Ziziphus Mucronata</i>	V. N. Nghidipa	Physicochemical properties of polysaccharides from selected indigenous Namibian legumes	S. Mulife	Synthesis of pyrimidine derivatives using mono-keto curcumin analogues as precursors and the evaluation of their antimicrobial and antioxidant activities
11:45 - 12:00	A. N. Piniku	Isolation and characterization of psychrotrophic bacteria isolated from frozen fish "Horse mackerel in domestic settings	Nehemia PN	An efficient method for the synthesis of dihydropyridine by Hantzsch reaction with Fe impregnated SiO <sub>2</sub> heterogeneous catalyst	Ainima EHN	Assessment of aflatoxin and fumonisin levels in maize meal samples from Oshakati and Ondangwa open markets
12:00 - 12:15	Y.L.N Abiatar	Geometric morphometric variation of <i>procavia capensis (hyracoidea, procaviidae)</i> occurring in namibia	I. P Shikangala	Synthesis and characterization of thiophene based metal free dye sensitizers for solar cells, their photo-response properties in visible region and their chemosensing properties	S. Simpande	Nutritional evaluation of <i>Nymphaea nouchali var. petersiana</i> tubers from Zambezi region
12:15 - 12:30	F. Hamunyela	Assessment of rangeland condition, frequency of occurrence and plant cover of herbaceous plants on Farm Kiamsab West 364, Namibia	P. S.F Musere	Synthesis of Silver Nanoparticles Using Pearl Millet ( <i>Pennisetum Glaucum</i> ) Husk and Its Application in Wastewater Treatment and Catalytic Oxidation of Benzyl Alcohol	B. Chataika	Diversity, domestication levels and utilization of Spider plant ( <i>Cleome gynandra</i> , L.) amongst ethnic groups of northern Namibia
12:30 - 12:45	W.N Hausiku	Isolation of Actinomycetes from Namibian Desert soil samples	M. Joseph	Antibacterial activity of silver-nanoparticles-titania composite thin films fabricated by the molecular precursor method (mpm)	M. N. Kakove	Estimating the density of two independent leopard ( <i>Panthera pardus</i> ) populations using hierarchical spatial capture recapture in Namibia
12:45 - 13:00	U. Tjjenda	Isolation and characterization of plant growth promoting seed bacterial endophytes associated with <i>Cleome gynandra</i> in Omusati region of northern Namibia	E. Humba	Computational Studies of the Structure and Electronic Properties of Ag and Au – doped (TiO <sub>2</sub> ) <sub>n</sub> Cluster (n=2-6)	C. Raidron	Investigation of biological activities of Crude and Lead Like Enhanced (LLE) Extracts from Selected Namibian Medicinal Plants used in the Treatment of Malaria and Tuberculosis
13:00 - 14:00	Lunch					





14:00 - 14:15	M. N. Shikongo	Phytochemicals and antibacterial activity of selected Namibian lichens	H.N.M. Namwandi	Antimicrobial properties of selected hydrazone based ligands and complexes	L. U. Heita	An investigation on the presence of parasite eggs along the Goreangab Dam
14:15 - 14:30	J. Thomas	The effect of clipping on biomass partitioning in <i>Senegalia mellifera</i> seedlings grown under greenhouse conditions	J.T. Shuuya	Characterization of Ag/TiO <sub>2</sub> composite thin films	M. M Otto	Types of sugars in the mesocarp and phytochemicals in the peels of ripe and unripe <i>Berchemia discolor</i> ( <i>Oombe</i> ) and <i>Vangueria infausta</i> ( <i>Oombu</i> ) fruits
14:30 - 14:45	T.L. Helao	The potential of <i>Cleome gynandra</i> endophytic seeds bacteria from Omusati Region, Northern Namibia for the production of antineoplastic enzymes: L-asparaginase and amylase	H.T. Hamutenya	Effects of spontaneous and controlled yeast fermentation on the volatile aroma, flavour compounds and physicochemical properties of “ <i>Omalodu</i> ” from malted pearl millet	R.K. Katjinaani	Antimicrobial Properties of a Patent Medicinal Plant Product, TIB (Tian Immune Booster)
14:45 - 15:00	S. Simasiku	Antibacterial and Antioxidant Activities of <i>Amaranthus thunbergii</i>	P. T. Endjala	Synthesis and Characterization of Ruthenium-Based Dye Sensitizers for Solar Cells and their Photoresponse Properties in the Visible Region: Experimental & Theoretical Studies	K. Handunge	Synthesis of Mannich Bases of Mono-Keto Curcumin Derivatives and Evaluation of their Antioxidant and Antimicrobial Activity
15:00 - 15:15	P.S.A Autoni	Isolation, Morphological and Physiological Characterization of Actinomycetes isolates from Rehoboth soil samples	LM. Kalipi	Performance enhancement of ag-nanoparticle/tio <sub>2</sub> using chlorophyll as dye sensitizer	MN Nakanyala	Biochemical identification and quatification of bacteria in urine contaminated soils
15:15 - 15:30	N. Iiping	Seasonal variation in diurnal activity patterns of the cape ground squirrel ( <i>Xerus inauris</i> ) in a selected habitat around University of Namibia Main Campus	M. P. Tomas	Optimization of Haul Trucks Utilization by Minimizing Refueling Delays at Husab Mine	H. Shambwila	Identification of drought tolerance genes in <i>Ximeria Americana</i> by genetic analysis
15:30 - 15:45	Tea break					
15:45 - 16:00	G.N.N Shikalepo	Detection of genetic modification in locally vented maize products	P. N. Namundjanga	Assessment of aflatoxin and fumonisin levels in open market vended sorghum malt samples from Windhoek	<b>Discuss</b>	
16:00 - 16:15	L.T.T Makoti	Antioxidants, antibacterial and enzymatic activitiy producing	Van Ster GS	Assessment of Aflatoxin and Fumonisin levels in pearl millet ( <i>Pennisetum</i> )		

		endophytic actinomycetes associated with <i>Harpagophytum Procumbens</i>		<i>glaucum</i> ) bran from open markets in Windhoek
16:15 - 16:30	J. Kanyanda	Evaluation of antibacterial and antioxidant properties of endophytic actinomycetes isolated from <i>Harpagophytum procumbens</i> (devil's claw)	A Thitunda	Optimization of DNA extraction protocol from a local medicinal plant (Devil's Claw)
16:30 - 16:45	R. Tjaveondja	Molecular Identification of selected Basidiomycetes using Internal Transcribed Spacer (ITS) region	P.K. Siriya	Quantitative analysis of different batches of <i>Colophospermum mopane</i> seed essential oil
16:45 - 17:00	PSA Autoni	Isolation of Actinomycetes from Namibian marine samples	T. Pea	Assessment of Aflatoxin Levels in Open Market Vended Raw Peanuts from Windhoek, Namibia
17:00 - 17:15	K.M Shapwa		E. Haikela	Beneficiation of Namibian aluminosilicate minerals for synthesis of ZSM-5 based catalysts: An attempt for economic rehabilitation of underutilized resources.
17:15 - 17:30	M.K Muyongo			
17:30 - 17:45	N.F Nyoni	Polymorphism of the KAP1 Gene in the Swakara sheep of Namibia		
17:45 - 18:00	A. Ishola	<i>In vivo</i> antimicrobial and toxicity of monoterpenes from <i>Plocamiun</i> species		

Session:	Computing		Mathematics		Statistics and Population Studies	
Venue:	W213		Y152		W111	
Chair:	Mr. Gabriel Nhinda, Mr Anton Limbo, Ms Maria Ntinda and Ms Aina Hauwanga		Mrs Charlotte Amakutsi and Dr Martin mugochi		Dr Opeoluwa Oyedele and Mr Immanuel Shipanga	
08:00 - 08:15	B. Handubo	Design and Implementation of an Automated Cyber Security Scanner for Security Vulnerabilities	L.I. Makupu	Is Housing Wealth really a Wealth in Namibia?	K. Y. Mutjavikua	A comparison of adult mortality between Kavango east and Kunene region using survival analysis
08:15 - 08:30	S. Limbwambwa	Mobile Tour Guide Application for Supporting Tourists in Windhoek	K. Joseph	Claim Reserving and Longevity risk	L. Amutenya	Is contraceptive use a significant predictor of pregnancy among sexually active teenagers in Namibia?
08:30 - 08:45	S. Sheetekela	Development of a mobile application for diagnosis and medicine prescription	N. Aludhilu	Symmetries of ordinary differential equations	R. Shuuya	An analysis on the demographic factors that influence prostate cancer screening in Namibia: evidence from 2013 NDHS
08:45 - 09:00	T.K. Shishiiveni	Android App controlled Lawnmower	S. Mwareka	An analysis on the Validity and Usefulness of the Black- Scholes Model on Pricing Option and Hedging	F. Petrus	The association of factors which influence infant mortality rate in Namibia: analysis of Namibian Demographic and Health Survey of 2013
09:00 - 09:15	T.T Egumbo	Interactive text based query chatbot: to assist with students frequently asked questions at the University of Namibia	H. Kamupingene	On regime and non-regime switching models for foreign exchange rates	M. N. Ndaifanua	Estimation of Prevalence ratio of Anaemia in Namibia: A comparison of selected Logistic Regression models
09:15 - 09:30	M. T. Shikomba	Using Sentiment Analysis to Find the Sentiment Correlation between Tweets and Newspaper Headlines in Namibia	E. N Dausas	A Study on the South African Foreign Exchange Market: Volatility and Efficiency	S.E. Kazembe	Access to Health Care in Malawi: An Examination of Delays among Caregivers of Children Suffering From Diarrhoea
09:30 - 09:45	T. Fransisko	Development of the educational school finder application in Namibia	A. Nuunjango	Readjustment of hyper inflated house prices by bubble effect with discounted payoff: Case of Namibia	F.N. Shuuya	An investigation of demographic factors of alcohol consumption in Namibia
09:45 - 10:00	W. Masikara	CS Challenger: A mobile application to support the learning of computer science concepts through gamification	RM. Tjueza	The effects of demand, supply and affordability on the Namibian housing market volatility	J. Shivute	Factors Influencing Medical Health Insurance Coverage in Namibia
10:00 - 10:15	Tea break					

10:15 - 10:30	W. Kamati	A school virtual laboratory (SVL) system for Grade 8 physical science learners: a case study for A. Shipena secondary school	S.S Nghatanga	The application of the classical fourth order Runge-Kutta method on the Lotka-Volterra equations	R.V. Kauraisa	The study of student's perceptions on campus safety and security at the University of Namibia main campus
10:30 - 10:45	W. Kavetu	Budgeting application with receipt scanner to minimize manual data entry	N Shiimi	Optimal Portfolio Choice Under Loss Aversion	M.M.T Mumbango	A statistical analysis of poaching incidences in Namibia
10:45 - 11:00	S. Mateus	Using Social Network Technologies to support online playing of Oshiwambo Riddles (eengano)	J.V Halwoodi	Tail-based risk measures and some multivariate dependence structures	L. Shikomba	Trend Analysis of Cohabitation in Namibia: Binary Logistic Modelling using 1992, 2000, 2006 and 2013 NDHS
11:00 - 11:15	H. N. Aludhilu	Critical Analysis of Intrusion Detection Approaches	LNM Thomas	Portfolio Optimisation under Value at Risk and Conditional Value at Risk	L. Beukes	Disabilities in Namibia: A Statistical Analysis on the Access to Learning and Economic Opportunities of People living with Disabilities
11:15 - 11:30	M. M. Maimbolwa	Chatbot: An Overview of Conversation Systems	A. S. Kamanya	Tail-based risk measures and some multivariate dependence structures	P.M Shikongo	A time series analysis and forecasting of tuberculosis incidences in Erongo region: 2003 – 2017
11:30 - 11:45	I.J.W.J. Kapapero	Augmented reality navigation system	K. P. Tjituri	Effective trading techniques for trading on the foreign exchange and stock market	N. Mafale	A statistical evaluation of the anti-corruption commission initiatives and their relation to human development index in Namibia
11:45 - 12:00	L.M. Kephass	A prototype of Comparison of the performance of the learning algorithms for verification phishing uniform resource locator (URLs) using machine learning.	V. Mbunga	Effects of house prices on bank stability and economic growth in Namibia	H. F. N Shaningwa	A statistical analysis of the determinants of fruit and vegetable consumption in Namibia
12:00 - 12:15	S. S. Ndakolute	Using IoT to Develop an Automated Irrigation System for Crop Farmers in Namibia	B. Laberloth	Modelling the diffusion of cadaveric fluids within a porous medium to predict post-mortem	S Mutilifa	The use of internet and social media and its effect on academic work of undergraduate students at University of Namibia (UNAM), Windhoek
12:15 - 12:30	N. Mutoko	Mobile application for classifying rocks	R. Mouton	Building Rent Price index using Case-Shiller Method: Namibia	P. Stephanus	A statistical analysis of highly voluminous data: a special case of Principal Component Analysis

12:30 - 12:45	<b>Discussion</b>	V. Erastus	Representation of Distributive Lattices	<b>Discussion</b>
12:45 - 13:00		E. Namundjebo	Interconnectedness of Non-Bank Financial Institutions (NBFIs) Interconnections, Potential Vulnerabilities and Policy Responses	
13:00 - 14:00	Lunch			

<b>Session:</b>		<b>Physics</b>	<b>Military</b>	
<b>Venue:</b>		W214	Y152	
<b>Chair:</b>		Dr Eli Kasai	Mr Kefas Kunyungule and Ms Charlene Simataa	
08:00 - 08:15	J.N. Nuulimba	A study of the dwarf planet Pluto through stellar occultation observations	S.N. Ndokosho	A comparative study between Grootfontein Airbase and Windhoek Hosea Kutako International Airport on the effectiveness of ATC communication equipment
08:15 - 08:30	F N N. Lotto	Determination of solar water heating contribution in reducing energy consumption in Windhoek	F. N. Lukas	Perceptions of lecturers and students in the faculty of science at the University of Namibia towards the role of the Namibian Defense Force (NDF)
08:30 - 08:45	<b>Discussion</b>		E. Nghifilenya	Assessing the Effectiveness of Human Factors in Quality Aircraft Maintenance: A Case Study of the Namibian Air Force
08:45 - 09:00			D.N. Iita	Evaluation of Effectiveness of Maintenance Approaches for Marine Auxiliary Machinery at Namibian Navy Headquarters, Elephant Vessel
09:00 - 09:15			P.K. Shimweefeleni	An investigation on the effectiveness of security screening system and aircraft inspection at Namibian aerodromes used as ports of entry and exit: a case study of Hosea Kutako International Airport
09:15 - 09:30			K.L Lifumbela	Investigating the impacts of post-war explosive materials on people: A case study of King Kauluma village, Oshikoto region, Namibia





09:30 - 09:45		S.S Nangolo	Namibian National Security Assessment on Unmanned Airports/Airstrips closer to the Namibian Territorial Borders
09:45 - 10:00		O. Indongo	An investigation of the economic impact of outsourcing Namibian Defence Force (NDF) fleet maintenance to civilian contractors: A Case Study of Composite Depot, Khomas Region
10:00 - 10:15	Tea Break		
10:15 - 10:30		T.T. Shilikunye	The Effectiveness of Voluntary Reporting Systems in Namibia: A Case Study of Eros Airport
10:30 - 10:45		P. Shimuningeni	Health & family challenges faced by soldiers after the liberation struggle of Namibia: A Case Study of 261 battalion Army base.
10:45 - 11:00		F.N. Nikanor	Developing a System Architecture of Computerized Maintenance Management System (CMMS) for Vessel Mechanical & Electromechanical Systems
11:00 - 11:15		S. N Leonard	Impact analysis on the advancement of aviation technology on navigation systems
11:15 - 11:30		Z. T. Sheefeni	An assessment of rainfall variability impacts on rural households' food security: Onkila village-Omusati region
11:30 - 11:45		T.H. Joseph	An analysis on the Effectiveness in Search and Rescue services: A comparative study on fire, search and rescue fire brigade of Grootfontein airbase and Eros airport fire brigade
11:45 - 12:00		H.M Mughongora	Assessing the impacts of weather on aircraft's accidents and incidents in the Namibian airspace
12:00 - 12:15		L. Matheus	A concept for the half-life upgrade of NS Elephant
12:15 - 12:30		<b>Discussion</b>	
12:30 - 12:45			
12:45 - 13:00			
13:00 - 14:00	Lunch		