

2016

September 3-4, 2016 Cape Town, South Africa

# MMHS



# CONFERENCE PROCEEDINGS

# BOOK OF ABSTRACT MMHS-2016

International Conference on "Medical, Medicine and Health Sciences" (MMHS-2016) Cape Town, South Africa

# **Book of Abstracts Proceedings**

International Conference on
"Medical, Medicine and Health Sciences"
(MMHS-2016)
Cape Town, South Africa

Office Address: Academic Fora

125 Jalan Setia 5, Jinjang Utara 52000

Kuala Laumpur Malaysia Contact: +6 0 362 528131

Email: contact@academicfora.com

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# International Conference on "Medical, Medicine and Health Sciences Cape Town, South Africa

# Venue: The Westin Cape Town, South Africa Convention Square, Lower Long Street, Cape Town, South Africa

### **ORGANIZING COMMITTEE**

### 1. Ms. Grace Ooi

Conference coordinator

Email: grace@academicfora.com

### 2. Mr. Metha Shahi

Conference coordinator

Email: metha@academicfora.com

# 3. Mr. Leon Yap

Conference coordinator

Leonyap@academic for a. com

### 4. Mr. Metin

Conference coordinator

Emaul: metin@academicfora.com

#### CONFERENCE CHAIR MESSAGE

# Dr. Malika Ait Nasser (PhD)

International Conference on Medical, Medicine and Health Sciences" serves as platform that aims to help the scholarly community across nations to explore the critical role of multidisciplinary innovations for sustainability and growth of human societies. This conference provides opportunity to the academicians, practitioners, scientists, and scholars from various disciplines to discuss avenues interdisciplinary innovations and identify effective ways to address the challenges faced by our societies globally. The research ideas and studies that we received for this conference are very promising, unique, and impactful. I believe these studies have the potential to address key challenges in various sub-domains of social sciences and applied sciences.

I am really thankful to our honorable scientific and review committee for spending much of their time in reviewing the papers for this event. I am also thankful to all the participants for being here with us to create an environment of knowledge sharing and learning. We the scholars of this world belong to the elite educated class of this society and we owe a lot to return back to this society. Let's break all the discriminating barriers and get free from all minor affiliations. Let's contribute even a little or single step for betterment of society and welfare of humanity to bring prosperity, peace and harmony in this world. Stay blessed.

Thank you.

Dr. Malika Ait Nasser (PhD) Conference Chair Email: malika@academicfora.com MMHS-2016

# **CONFERENCE PROGRAM**

# DAY 01 Saturday (September 3, 2016) Welcome Reception & Registration

9:00– 9:30 am <u>Opening Ceremony (09:30 – 10:00 am)</u> Venue: Room 1

09:30 – 9:40 am	Introduction of Participants
09:40– 9:50 am	Welcome Remarks – Mr. Metha Shahi- Conference Coordinator Academic Fora
09:50 – 10:00 am	Group Photo Session

Grand Networking Session and Tea Break (10:00–10:30 am)



# DAY 01 Saturday (September 3, 2016)

# Session 1 (10:30 am – 12:00 pm) Session Chair: Leon Yap

Venue: Room 1

# Track A: Business, Management and Economics

	Impact of Hedonic and Utilitarian Values on Online Purchase	
CTS-196-102	Behavior	MURRAY R. MILLSON
	Knowledge and Understanding of Accountants Toward Rules	
	for Calculating Net Income for Corporate Income Tax by	
CTS-196-103	Section 65 ter in Thailand.	Mr.Paiboon Pajongwong
	Sustainable community development: The impact of income-	
	generating projects on stimulating entrepreneurial activities	
CTS-196-104	in communities; the "Holding Hands" case.	Ms. C. M. Niesing
	The Influence of Capital Structures on the Listed Industrial	
CTS-196-108	Companies in South Africa	Popoola Babatunde Adedeji
	Strategies for improved performance of small supermarkets	
CTS-196-110	in Thulamela Local Municipality of South Africa	L.G. Nkondo1

(Lunch Break: 12:00 to 1:00pm)



# DAY 01 Saturday (September 3, 2016)

Session 11 (1:00 pm – 2:30 pm)

Session Chair: Leon Yap Venue: Room 1

Track B: Engineering and Technology

	Using m-commerce to achieve strategic objectives in South	
CTE-196-110	African retail organisations	Nomusa Nomhle Dlamini
	An Overview of Sustainable Copper Recovery in Zambia via	
CTE-196-111	Bioleaching	Ronald Ngulube

# Track C: Medical, Medicine and Health Sciences

	Attitudes and Beliefs towards Marijuana Use: Chronicles of	
	Marijuana Smokers from Two Marijuana Growing Communities	
CTM-196-104	in South Africa	Emmanuel Manu
	Recent Advances in the Healthcare Quality in the Republic of	
CTM-196-105	Cameroon	Loveline Fri Fon

(Closing Ceremony)



# DAY 02 Sunday (September 4, 2016) City Tour and Shopping Day

All respective guests are free to conduct their own sightseeing and tour. The second day of the event is reserved for this memorable purpose.





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# TRACK A: MEDICAL, MEDICINE AND HEALTH SCIENCES



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Attitudes and Beliefs towards Marijuana Use: Chronicles of Marijuana Smokers from Two Marijuana Growing Communities in South Africa

# Emmanuel Manu\*1, Mohlomi Jafta Ntsaba2

<sup>1</sup>Department of Public Health, Faculty of Health Sciences, Walter Sisulu University, South Africa, <sup>2</sup>Director of School of Nursing, Faculty of Health Sciences, Walter Sisulu University, South Africa

#### Abstract

Background: Marijuana use prevalence in South Africa has been extensively reported over the years. The functionalist theory posits that societal norms and practices which are passed on from generation to generation in a top-bottom approach, sometimes play a role in influencing individuals to use illicit substances such as marijuana. Perceptions toward marijuana in a community are likely to be passed on to adolescents adults, influencing them to indulge in marijuana smoking. Methodology: A total of 17 marijuana smokers, comprising of 15 focus group participants and 2 key informants were interviewed in two communities. Two-staged nonrandomized sampling techniques; purposive and snowball sampling techniques, were used to select the communities and the individual participants for the study. This was done by making contact with few individuals who smoked marijuana in both communities who help recruit the rest of the participants. Results: Thematic content analysis procedure was used to analyse the data for the study. The results obtained revealed that marijuana smokers hold the belief that marijuana is not harmful. The major problems they associate with marijuana use, according to the smokers are social ones. Conclusion: Perceptions toward marijuana use among the youth in marijuana growing communities need serious attention if the prevalence of marijuana use, especially among males in such communities is to be Therefore intervention programmes tailored for marijuana growing communities need to be designed to specifically deal with the problem.

Keywords: Perceptions, Marijuana, Smoking, South Africa

Email: emanu338@gmail.com

<sup>\*</sup>All correspondence related to this article should be directed to Emmanuel Manu Department of Public Health, Faculty of Health Sciences, Walter Sisulu University, South Africa



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Recent Advances in the Healthcare Quality in the Republic of Cameroon

#### Loveline Fri Fon\*

Center for Community Healthcare Awareness (CCHA), Cameroon

#### Abstract

In Cameroon Healthcare is offered either through government run hospitals, clinics, primary integrated healthcare centers or through privately run hospitals and clinics which most of the time are profit oriented healthcare centers owned by religious bodies such as Catholics or protestant and as while as individual businessmen. This paper looks at recent advances in the healthcare quality in the republic of Cameroon; Malaria which is the No.1 leading causes of death was met with government decision to provide free malaria treatment for children between the ages of 0 -5 years and the freely distribution of malaria treated mosquito sleeping nets Which has gone a long way in reducing infant mortality rate hence an advance in the quality of healthcare. The training of physicians and health personnel as while as the creation of additional hospitals and health centers in rural and urban areas has brought healthcare closer to the community which is impacting on an improve health care availability. The government's reduction in the cost of medical treatment of Hepatic C and the provision of Antiretroviral medications for people living with HIV has been a positive step which is improving on the healthcare quality in the Republic. And recent government drive in fighting corruption and in the health sector is healing fruits and the recent drive of private purchasers, physicians, nurses, insurers, labor unions, hospitals and NGO's have begun to address some of the significant quality problems in Cameroon Healthcare system. This paper concludes that good government, including training and monitoring, allowing more NGO involvement and the needs of the informal health care services providers is important in ensuring effective advances in Healthcare Quality in Cameroon.

**Keywords:** Healthcare, Individual Businessmen, Antiretroviral medications,

<sup>\*</sup>All correspondence related to this article should be directed to Loveline Fri Fon Center for Community Healthcare Awareness (CCHA), Cameroon Email: lovelinefrifon@yahoo.com



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# TRACK B: ENGINEERING AND TECHNOLOGY



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# Using M-Commerce to Achieve Strategic Objectives in South African Retail Organisations

Jeremy Sissing<sup>1</sup>, Nomusa Nomhle Dlamini\*<sup>2</sup>, Kevin Johnston<sup>3</sup>

1, 2, 3 University of Cape Town, South Africa, South Africa

#### Abstract

The purpose of the paper is to explore how South African retail organisations can use m-commerce to achieve their strategic objectives. Strategic objectives include increased return on capital, improved operating quality and efficiency, growing high value customer relationships, accelerating product innovation, and creating a high performance culture. Literature surveyed highlighted that there could be an opportunity for retail organisations within South Africa to achieve their strategic objectives by implementing effective m-commerce strategies which are aligned with the business strategy, therefore, improving and updating their business processes and having the ability to modify their business models in order to maximise the potential opportunity to create a competitive advantage. The main research question was can South African retail organisations use mcommerce to achieve their strategic objectives? The context of the study was the retail market of South Africa. South Africa is a third world emerging market where the majority of potential customers do not have access to personal computers and the internet. Research questions were generated from a strategy map that identified five strategic themes each with their own objectives. A qualitative approach to the research was taken with open-ended interview questions and thematic analysis was used to analyse the data. The findings from the literature and the data analysis indicated that m-commerce can be used by South African retail organisations to achieve all the strategic objectives. The findings did, however, indicate that m-commerce, within the South African retail context, is more suited to increasing return on capital, growing high value customer relationships and improving operating quality and efficiency.

**Keywords:** M-Commerce, Strategic Objectives, Retail Context

Email: DLMNOM036@mvuct.ac.za

<sup>\*</sup>All correspondence related to this article should be directed to Nomusa Nomhle Dlamini, University of Cape Town, South Africa



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# An Overview of Sustainable Copper Recovery in Zambia via Bioleaching

# Ronald Ngulube\*<sup>1</sup>, Mwema Wanjiya<sup>2</sup>, Kenny Nyirenda<sup>3</sup>

Copperbelt University, Kitwe, Zambia

#### Abstract

Since early 1930s, the copper mining industry has been the economic and social pillar of Zambia with about 80% contribution to the total export earnings and about 13% Gross Domestic Product (GDP). However, the copper mining industry has been employing traditional techniques which have disruptive effects such as land degradation, air and water pollution which pose long term threats on the local livelihood of the people and biodiversity. Furthermore, the ore mineralogical composition has changed through the years of exploitation of the copper in Zambia, the copper oxides have become scarce; the only sources of copper are sulfides, and its content has diminished down to approximately 1%. Bioleaching has emerged as an alternative and sustainable technology with great potentials to process bulky low grade sulphide mineral ores with minimum environmental degradation using low capital expenditure. This study looks at an overview of copper mining in Zambia and presents new opportunities related to the development of sustainable method for copper recovery by means of bioleaching. The Zambian Copperbelt is part of the Central African Copperbelt which forms one of the world's largest metallogenic provinces containing one-fifth of all global copper resources with low grade. Reports show that more than one billion tons of ore (c.2.7% Cu) has so far been mined from the mines on the Copperbelt Province of Zambia and conservative estimates suggest that a further two billion tons await exploitation. This provides considerable opportunities for further exploration and mining in the country. Zambia needs to focus its effort on research in bioleaching process and its application to achieve sustainable copper recovery within the context of economical, ecological and social sustainability.

**Keywords:** Bioleaching, Copper Extraction, Sustainable Mining, Mining in Zambia

Email: ronald.ngulube@cbu.ac.zm

<sup>\*</sup>All correspondence related to this article should be directed to Ronald Ngulube1 Copperbelt University, Kitwe, Zambia



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# TRACK C: BUSINESS MANEGEMENT AND ECONOMICS



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ISBN: 978-969-670-909-1

# Impact of Hedonic and Utilitarian Values on Online Purchase Behavior

#### Murray R. Millson\*

College of Business, California State University Monterey Bay, California

#### Abstract

The purpose of this research is to investigate the impact of consumers' buying philosophies on online product purchase intentions and product purchases. The research question investigated by the study is "to what degree do Hedonic and Utilitarian values impact (1) Intent to Purchase Products Online and (2) Consumer's Online Purchase Behavior". The specific variables that are investigated in this research include (1) Utilitarian purchase values as measured by online purchase usefulness, convenience, and value and Hedonic purchase values as measured by consumer purchase pleasure, fun, and satisfaction, (2) Behavioral intention as the influence that beliefs and attitudes have on a person's probability of performing a behavior, and (3) Online consumer purchase as measured by whether a respondent has purchased products online or not. These variables were measured in the following manner: (1) The Intent to Purchase Products Online was measured using a single element Likert scale, (2) Hedonic and Data for this study was gathered through a survey process that involved a convenience sample of undergraduate students attending a small public university in the Western region of the United States. The implications of this study's findings include the following. Given the undergraduate sample of juniors and seniors involved in this research, both hedonic and utilitarian values are exhibited by those who intend to purchase products online. This resulted in the impact of Utilitarian values being insignificant. But, Hedonic values were found to be significant which suggests that the potential of buying online based on Hedonic values are about 1.8 times less than buyers without Hedonic values. Therefore, an increase in Hedonic values resulted in a decrease in the likelihood of purchasing products online.

Keywords: New Product Purchase Intention: Hedonic Values: Utilitarian Values: Online Product Purchase

<sup>\*</sup>All correspondence related to this article should be directed to Murray R. Millson College of Business, California State University Monterey Bay Email: mmillson@csumb.edu



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Knowledge and Understanding of Accountants Toward Rules for Calculating Net Income for Corporate Income Tax by Section 65 ter in Thailand

# Miss Ketrudee Ketsiri<sup>1</sup>, Mr.Paiboon Pajongwong\*<sup>2</sup>

1,2 Kasetsart University, Thailand

#### Abstract

The aim of this research was to improve Knowledge and Understanding of Accountants toward Rules for Calculating Net Income for Corporate Income Tax by Section 65 ter (Non-deductable Expenses) and the difference in individual factors that might impact to the basis. Sample Size of this research—is an Accountant, is associated with infinite population. The Data Collection in this study, we make use of questionnaires in 400 pieces during period from December 2558 to January 2559. Consider Statistics to analyze the data—explication of frequencies, percentages, medians, and hypothesis, by applying T-Test and F-Test named One-Way ANOVA (Analysis of Variance) at 0.5 of the statistically significant. From the study, the Accountants have fairly Knowledge and Understanding of Accountants Toward Rules for Calculating Net Income for Corporate Income Tax by Section 65 ter (Non-deductable Expenses), the researcher also found that the Accountants should have knowledge-development, for example, expenses specifically for education and sports, entertainment expenses, non-expenses for carrying on business in Thailand, and especially net gain (loss) accumulated not exceeding than 5 years. The results indicate the individual factor that, the differences in experiences, positions, and ages of the Accountants, is an indicator of know-what and know-how of Basis of Income Tax Section 65 Ter (Non-deductable Expenses). This study is useful to public regulators and accountants, is point out what they really need to improve, especially, when the government party release out new rules, regulations, acts, and royal decrees that aim to be more of uprightness of tax submission. In the end, researcher believes that, the development which stated in this study can maximize beneficial valuation on Accountants.

**Keywords**: Knowledge, Understanding, Non-deductable Expenses, Corporate Income Tax

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<sup>\*</sup>All correspondence related to this article should be directed to Mr.Paiboon Pajongwong, Kasetsart University, Thailand Email: fbuspbp@ku.ac.th



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Sustainable Community Development: The Impact of Income-Generating Projects on Stimulating Entrepreneurial Activities in Communities; The "Holding Hands" Case

# Ms. C. M. Niesing\*<sup>1</sup>, Prof. S. van der Merwe<sup>2</sup>, Ms. D. M. Potgieter<sup>3</sup>

1,2,3 Faculty Health Sciences, Potchefstroom Campus NWU, South Africa

#### Abstract

Poverty levels of rural households in South Africa remains an unresolved issue. The South African Government introduced interventions and policies to combat the issue of poverty and inequality through the initiation and development of income-generating community projects. These projects do have a positive impact on the communities, but fail to develop into sustainable businesses. The participants of these incomegenerating community projects are mostly women. The methodology of the study consist of a qualitative single case embedded design used to construct constructivist grounded theory. The case of the "Holding Hands" incomegenerating community project in the North West Province in South Africa was used to develop the case study. The case study was constructed in ATLAS.ti on a time-line using document analysis to develop the themes and codes. In the case of the "Holding Hands" income-generating community projects the initiation of an income-generating community project stimulated the development of other entrepreneurial activities in the community. To strengthen sustainable development of income-generating community projects and maximize the impact on sustainable community development, entrepreneurial skills should be a development focus in the skills development programmes included in the development plans of income-generating interventions. Replicating these interventions in a responsible, well-designed manner in various communities will have a positive impact on the levels of poverty and job-insecurity currently experienced in South Africa.

**Keywords**: Sustainable Community Development, Income-Generating Community Projects, Impact of Interventions, Poverty Reduction Strategies

<sup>\*</sup>All correspondence related to this article should be directed to Ms. C. M. Niesing Faculty Health Sciences, Potchefstroom Campus NWU, South Africa Email: Christi.Niesing@nwu.ac.za



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# The Influence of Capital Structures on the Listed Industrial Companies in South Africa

### Popoola Babatunde Adedeji\*

Vaal University of Technology, South Africa

#### Abstract

The study did examine the capital structure theories, explicitly the trade-off theory and the pecking order theory. It was imperative that proper and critical analyses towards the influence of the capital structures choice among 72 listed industrial companies on the JSE in South Africa from 2005-2013 be examined whether the listed firms follow the trade-off theory or the pecking-order theory. External database (INET BFA) was found to be the suitable approach in obtaining data needed for statistical analysis. From the INET BFA, annual standardised financial statements, income statement, cash flow statement, financial ratios, change of equity statement and the retained earnings to debt ratio of all the listed industrial companies in South Africa from 2005-2013 was extracted in order to enable the conducted research. The summarised finding using a correlation analysis indicates that none of the capital structure theories (trade-off theory and the pecking order theory) had a significant influence on the influence on the performance and value of the examined industrial listed companies in South Africa from year 2005-2013. Therefore, it can be deduced from the findings, that the application of capital structure theories (the trade-off theory and pecking order theory) among the examined industrial companies in South Africa is yet to be exploited maximally such that can bring about a significant impact on the share price of these industries, which could signify that the capital structure theories have considerable contributions to the value of the Furthermore, the study revealed that three of the sectors (diversified industrials, electrical components and equipment and marine transportation) showed some significant level in the application of the tradeoff theory in its businesses, which had an effect on its share prices. Finally, the trade-off theory had no significant impact on other industries, while the pecking order theory had no significant impact on any of the industries.

*Keywords*: Capital Structure; Share Price; Trade-Off Theory; Pecking-Order Theory

<sup>\*</sup>All correspondence related to this article should be directed to Popoola Babatunde Adedeji, Vaal University of Technology, South Africa Email: popsonbabs4real@gmail.com



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# Strategies for improved performance of Small Supermarkets in Thulamela Local Municipality of South Africa

### L.G. Nkondo\*<sup>1</sup>, J. Francis<sup>2</sup>, T. Madzivhandila<sup>3</sup>

University of Venda, South Africa

#### Abstract

Despite the achievements that have been made in other industries, there has been a huge decline in the ownership of small supermarkets by black South Africans. These are the businesses that should be thriving to contribute to poverty reduction and job creation due to their past experience in the industry. This study was conducted to suggest possible intervention strategies that could contribute to the resuscitation of small supermarkets in the Thulamela Local Municipality of South Africa. Qualitative, explorative research approach that used face-to-face semi-structured interviews with 36 respondents was conducted. They included five officers employed in the local economic development departments, five representatives of associations of business owners, 14 and 12 Asian and Black Africans small supermarket owners, respectively. Indian and Chinese supermarket owners constituted the Asian small supermarket owners composed of 12 Indians and 2 Chinese. The Blacks Africans were entirely 6 Venda and 6 Shangaanspeaking small supermarket owners. Snowball sampling was used to select the respondents. The sample size was determined by data saturation. The data were analyzed using Atlas ti7.0.81. The major intervention strategies revealed by the results were: Promotion of cooperative ventures, registration and regulation of businesses, diversification of product markets, business skills training vertical integration and improved communication with parastatals. The study is one of few, if any, that has found strategies for improved performance of small supermarkets. Previous studies focussed on large supermarkets. The study contributes to an understanding of challenges and strategies that can be implemented by small supermarket owners and policy makers by using views from different racial and ethnic groups who were living within the same environment.

*Keywords*: Strategies; Intervention; Small Supermarkets; Job Creation; Poverty Reduction

Email: livhuwani.nkondo@univen.ac.za

<sup>\*</sup>All correspondence related to this article should be directed to L.G. Nkondo University of Venda, South Africa



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