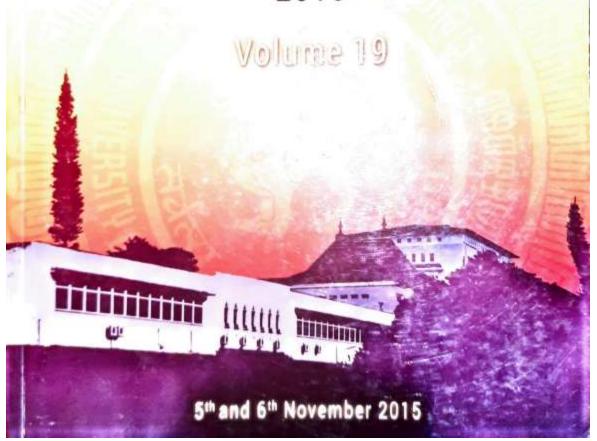




PROCEEDINGS

Peradeniya University
International Research Sessions
2015



Contents

	Page
Message from the Vice-Chancellor	v
Message from the Chairperson, Organizing Committee	vii
Editorial Board	ix
Keynote Speech	хi
Theme Speeches	xiii
List of Abstracts	xxvii
Abstracts	
Climate, Environment and Earth Sciences	1
Economics and Management	33
Education	57
Engineering and Built Environment	85
Food, Nutrition and Livestock	137
Health Sciences	173
IT, Mathematics and Statistics	269
Natural Sciences	299
Plant Sciences and Forestry	365
Social Sciences and Humanities	391
Author Index	459
iPURSE 2015 International Scientific Committee	475
DURSE 2015 Organizing Committee	477





EVALUATION OF THE STATUS IN ENVIRONMENTAL FLOW MAINTAINANCE AT MANGALATHIRIVA ANICUT IN ATHTHANAGALU OYA, SRI LANKA	24
N.W. H.A.L. Udavanga, M.M.M. Najim	
CRISMINGES: A NEW SIMPLE TOOL TO MAP PHYLLOSILICATES, FERRIC OXIDOS & HYDRATED MINERALS FROM CRISM DATA	25
Gayantha R.L. Kodikara	
SOIL MOISTURE RESPONSE TO CONVECTIVE RAINFALL	26
K.W. G.R. Nianthi, P. Wickramagamage, M.P. Rambukkange	
PRELIMINARY STUDY ON USE OF ACTIVATED COCONUT COIR AS ADSORBENT FOR REMOVAL OF CHLORIDE AND FLUORIDE IN WATER	27
H.K.M.S.N. Bandara, Nilwala Kottegoda, A.D.L.C. Perera	
ASSESSMENT OF GREEN SPACE IN THE COLOMBO CITY LIAISONS WITH GIS	28
B.D. Madurapperuma, K.A.J.M. Kuruppuarachchi	
APPLICABILITY OF COLORIMETRIC ORGANIC MATTER DETERMINATION AND ITS RELATIONSHIP WITH TOTAL SOIL NITROGEN FOR SELECTED SOILS IN SRI LANKA	29
E.M.A. Darshana, K.A. Nandasesna	
CLIMATE CHANGE ADAPTATION PRACTICES IN CROP CULTIVATION: CASE STUDY IN ANURADHAPURA DISTRICT	30
R.M.C.K. Ranasingha, A. Nanthakumaran	
DECOLOURIZATION OF CRYSTAL VIOLET SYNTHETIC DYE FROM AQUEOUS SOLUTION BY WOODY BIOCHAR	31
Awanthi Wathukarage, M.C.M. Iqbal, H.M.D.N. Priyantha, Meththika Vithanage	
ne 2: Economics and Management	
FORECASTING INTERNATIONAL TOURISM INCOME OF SRI LANKA: TREND ANALYSIS	33
K.M.U.B. Konarasinghe	
UNEMPLOYMENT, OFFICIAL ECONOMY AND DIMENSIONS OF THE SHADOW ECONOMY: AN EMPIRICAL ANALYSIS FOR SRI LANKA USING SEM	34
D I.J. Samaranayake, O.G. Dayarathna-Banda	
EXPORT LED GROWTH HYPOTHESIS IN SRI LANKA- NEW INSIGHTS	35
LN. Perera, L. Sugathadasa	
THE IMPACT OF CORPORATE SOCIAL RESPONSIBILITY (CSR) ON BRAND EQUITY: A STUDY WITH SPECIAL REFERENCE TO SRI LANKA TELECOM PLC	36
	AT MANGALA HIBRIYA ANICUT IN ATHTHANAGALO OTS. 3.3.3. N. II. B. A. L. Didavinga, M. M. M. Majim CRESMINDER. A HYDRATED MINERALS FROM CRISM DATA Gavantha R. L. Kodikara SOIL MOISTURE RESPONSE TO CONVECTIVE RAINFALL A. II. G. R. Niandh, P. Wickramagamage, M.P. Rambukkange PRELIMINARY STUDY ON USE OF ACTIVATED COCONUT COIR AS ADSORBENT FOR REMOVAL OF CHLORIDE AND FLUORIDE IN WATER H.A. M. N. Bandara, Nilwala Kottegoda, A. D. L. C. Perera ASSESSMENT OF GREEN SPACE IN THE COLOMBO CITY LIAISONS WITH GIS AND IN-SITU DATA B. D. Madurapperuma, K.A.J.M. Kuruppuarachchi APPLICABILITY OF COLORIMETRIC ORGANIC MATTER DETERMINATION AND ITS RELATIONSHIP WITH TOTAL SOIL NITROGEN FOR SELECTED SOILS IN SIL LANKA E.M.A. Darshana, K.A. Nandasesna CLIMATE CHANGE ADAPTATION PRACTICES IN CROP CULTIVATION: CASE STUDY IN ANURADHAPURA DISTRICT R.M. C.K. Ranasingha, A. Nanthakumaran DECOLOURIZATION OF CRYSTAL VIOLET SYNTHETIC DYE FROM AQUEOUS SOLUTION BY WOODY BIOCHAR Awanthi Wathukarage, M.C.M. Iqbal, H.M.D.N. Priyantha, Meththika Vithanage me 2: Economics and Management FORECASTING INTERNATIONAL TOURISM INCOME OF SRI LANKA: TREND ANALYSIS K.M.U.B. Konarasinghe UNEMPLOYMENT, OFFICIAL ECONOMY AND DIMENSIONS OF THE SHADOW ECONOMY: AN EMPIRICAL ANALYSIS FOR SRI LANKA USING SEM APPROACH D.I.J. Samaranayake, O. G. Dayarathna-Banda EXPORT LED GROWTH HYPOTHESIS IN SRI LANKA- NEW INSIGHTS L.N. Perera, L. Sugathadasa THE IMPACT OF CORPORATE SOCIAL RESPONSIBILITY (CSR) ON BRAND

175	MOBILE PHONE AS A MODE OF INFORMATION PROVIDENT TO UP COUNTRY VEGETABLE FARMERS IN SRI LANKA	37
	D.G.D. Perera, R.P. Mahaliyanaarachchi, P. Sivashankar, I.C. Hettiarachchi	
194	IDENTIFYING IMPACT OF WORK LIFE CONFLICT ON JOB SATISFACTION P. Lankeshwara	38
200	FINANCIAL LITERACY AND INVESTMENT: THE CASE OF COLOMBO STOCK EXCHANGE	39
	A.G.D.L.K. Gunaratna	
232	IMPACT OF PER CAPITA INCOME AND HUMAN CAPITAL ON INCOME INEQUALITY: AN EMPIRICAL ANALYSIS	40
	T.M.A.C. Siriwardana, J.G. Sri Ranjith	
243	PSYCHOLOGICAL AND BEHAVIORAL VARIABLES AND ACQUIRED COMPETENCIES IN SUCCESSFUL ENTREPRENEURSHIP IN SRI LANKA U. Munasinghe	41
273	VOLATILITY SPILLOVERS BETWEEN COLOMBO AND OTHER REGIONAL STOCK MARKETS	42
	Yeshan Withanage, Prabhath Jayasinghe	
301	AN EXPLORATION OF AUDIT COMMITTEE COMPOSITION AND ROLES IN SRI LANKAN LISTED COMPANIES	43
	Madushani Gunathilake, Malanee Ranasinghe	
404	DETERMINANTS OF VOTING RIGHTS PREMIUM IN THE BANKING, FINANCE AND INSURANCE SECTOR: EVIDENCE FROM THE COLOMBO STOCK EXCHANGE	44
	F.S.M. Arafath, T.D. Hamidon	
421	THE IMPACT OF EMOTIONAL INTELLIGENCE ON JOB PERFORMANCE AND JOB SATISFACTION OF BANK MANAGERS IN SRI LANKA S. Praveena	45
433	IMPACT OF FIRM SPECIFIC FACTORS ON STOCK PRICES: WITH SPECIAL REFERENCE TO DIVERSIFIED HOLDING COMPANIES IN COLOMBO STOCK EXCHANGE	46
	S.D.P. Piyananda, B.H.A. Nilmini	
436	CURRENCY DEPRECIATION AND J-CURVE ANALYSIS: A CASE STUDY BASED ON SRI LANKA	47
	U.G.H. Lakmal, W.L.P. Perera	
440	PROBABLE FACTORS FOR CREATING RAW MATERIAL WASTE: A CASE STUDY BASED ON THE SRI LANKAN APPAREL INDUSTRY G.M. Ranasinghe, M.G.S. Dilanthi	48

Abstract No: 194

Economics and Management

IDENTIFYING IMPACT OF WORK LIFE CONFLICT ON JOB SATISFACTION

P. Lankeshwara

Department of Management and Finance, Faculty of Management, Social Sciences and Humanities, General Sir John Kotelawala Defence University, Sri Lanka nishu.prabha@gmail.com

Ceylon Electricity Board (CEB) is a body corporate for electricity undertaking in Sri Lanka. It conducts its massive duties to the Sri Lankan public though Generation, Transmission, Distribution and other services. One of the major problems that the results of pilot survey has revealed is that, among the CEB workforce many of non-executive staff in CEB-Sabaragamuwa are facing problem of work life conflict. At present the conflict between work and family has become a crisis for organizations. With the increase in dual family parents, more job demand and long working hours made it almost impossible to create a balance between work and family. This situation automatically reduces job satisfaction of the employees and then affects the productivity and profitability of the organization. The overall objective of this research was to analyze the factors related to work life conflict and its impact on job satisfaction at the CEB-Sabaragamuwa Provincial Office. The data were collected by distributing a questionnaire and the sample has comprised 120 non-executive employees. Pearson correlation test and Regression analysis were utilized as data analysis techniques. The results revealed that work life conflict impacts on reducing the job satisfaction. Further, family to work conflict could be identified as the most critical predictor. Ultimately work life conflict of non-executive staff employees of CEB negatively impact on their job satisfaction. The relationship between work life conflict and job satisfaction is inversely related to each other.