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CONFERENCE PROCEEDINGS

BOOK OF ABSTRACTS ROEES-2019

International Conference on Economics, Banking & Finance E-
Commerce, Social Science and Management Studies
(EBFSS-2019), Male, Maldives



Book of Abstracts Proceeding

**International Conference on “Economics, Banking & Finance
E-Commerce, Social Science and Management Studies
(EBFSS-2019)
Male, Maldives**



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**International Conference on “Economics, Banking &
Finance E-Commerce, Social Science and
Management Studies
(EBFSS-2019)
Male, Maldives
Venue: Maagiri Hotel, Republic of Maldives
Male, Maldives**

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CONFERENCE CHAIR MESSAGE

Mr. Jiyong

International Conference on “Economics, Banking & Finance E-Commerce, Social Science and Management Studies (EBFSS-2019) 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 across various disciplines to discuss avenues for 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.

Mr. Jiyong

Conference Chair

Email: jiyong@roees.org

ROEES-2019



Conference Schedule

DAY 01 Tuesday (August 27, 2019)

Venue: Maagiri Hotel, Republic of Maldives
Male, Maldives

09:00 am – 09:10 am	Welcome Reception & Registration
09:10 am – 09:20 am	Introduction of Participants
09:20 am – 09:30 am	Inauguration and Opening address
09:30 am – 09:40 am	Grand Networking Session
09:40 am– 10:00am	Tea Break

Day 01 (August 27, 2019)
Time: 10:00 am – 12:00 pm
Venue: Room 1

Track A: Business, Economic, Social Sciences and Humanities

EBFSS-AUG-101	Does Asset Diversification In Banks Reduce Risk?	Adalet Hazar
EBFSS-AUG-102	Does The Liability Diversification In The Banks Effect Productivity?	Senol Babuscu
EIEP-AUG89-P2	SCCS: Streaming Cooperative Computing System for Edge Environment	Jiachen FENG
EIEP-AUG89-P2C	SCCS: Streaming Cooperative Computing System for Edge Environment	Haiquan WANG

Track B: Medical, Medicine and Health Sciences

MAL-489-101M	Assessment of the weight of school bags and its correlation with problems of musculoskeletal system among school children studying in selected schools of Chandigarh	Sushma Kumari Saini
MAL-489-102M	Assessment of Need of Palliative care Services in a selected population of Dhanas, Chandigarh	Kavita
MAL-489-103M	A Descriptive study to assess the Impact of ‘Screen Time Use’ on ‘Sleep Hygiene’ and ‘Academic Performance’ among undergraduate Nursing students of NINE, PGIMER, Chandigarh 2018-19	Sandhya Ghai

Lunch & Closing Ceremony (12: 00 pm – 01:00 pm)



DAY 02 Wednesday (August 28, 2019)

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



**TRCAK A: BUSINESS MANAGEMENT, ECONOMICS,
SOCIAL SCIENCES AND HUMANITITES**

Does Asset Diversification In Banks Reduce Risk?

Adalet Hazar^{1*}, Senol Babuscu², M. Oguz Koksall³, M. Agah Tekindal⁴

Abstract The banking sector is one of the leading sectors in a country's economy. The fact that banks are financially sound ensures their sustainability on the one hand and a sustainable profit level on the other. In the banking sector where there is intense competition, it is a necessity to offer products that are suitable to the conditions of the day and the needs of customers. In this context, it is possible to see the usage and distribution of the resources of banks' assets in different areas. At the same time, banks assume different risks at every stage of their activities. In this study, it is investigated whether the diversification of banks' asset items has a financial impact on the risk level. In this context, panel data analysis was conducted by taking into consideration the data of the 15 largest banks operating in the Turkish Banking Sector for the period 2008-2017 and the relationship between banks' asset diversification and riskiness was investigated. While this relationship was found in some banks, it was observed that some banks did not.

Keywords: Asset Diversification, Risk, Banking

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Does The Liability Diversification In The Banks Effect Productivity? –Turkey Case

Senol Babuscu^{1*}, Adalet Hazar², Ozge Sezgin Alp³, M. Oguz Koksai⁴

Abstract The aim of this study is to investigate the contribution of differentiation in the liability structure of banks to productivity. In the analysis, the data of 2008-2017 period of the 15 largest banks operating in the Turkish Banking Sector for 10 years were used. In the literature as efficiency indicator (dependent variables) accepted in the analysis: Asset, Deposit, Loans, Net Profit Per Branch, Asset, Deposit, Loans, Net Profit Per Employee, Non-Interest Income/Non-Interest Expenses, Average Return on Assets and Average Return on Equity taken into account. As input(independent variables); Financial Assets/Total Assets(X1), Total Loans/Total Assets(X2), Non-Performing Loans/Total Loans(X3), Credits Received/Total Assets(X4), Equity/Total Assets(X5), (Equity-Fixed Assets)/Total Assets(X6) and Liability Diversification(X7) data are used. In order to calculate liability diversification, we used the diversification method used by Laeven and Levine(2007) in their study. Liability diversification($1 - (\text{Total Deposit} - \text{Other Cost Liabilities}) / \text{Total Cost Liabilities}$) is calculated separately for each bank with the help of the formula. In the study, canonical correlation analysis was performed. It can be concluded that there is a strong linear relation between bank performance measures and liability diversification measures.

Keywords: Liability Diversification, Banks, Productivity

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SCCS: Streaming Cooperative Computing System for Edge Environment

Jiachen FENG^{1*}, Haiquan WANG², Shimin WU³, Yuhang MA⁴, Jiawei GUO⁵

Abstract With the development and popularity of smart devices, streaming data is continually generated at the edge of network. Under those edge scenarios, it takes high latency to process the streaming data by cloud computing. And uploading the raw data to cloud server by networks faces the data privacy issues. Streaming edge computing provides an opportunity to fill the gap between the real-time process and data privacy protection by conducting the major computing at the edge of networks where the streaming data is generated. In the paper, we propose and build SCCS, a Streaming data Cooperative Computing System which is suitable for edge environment. This system (i) cooperatively conducts data analysis tasks on several servers at the edge of network topology; (ii) utilizes the geographically distributed data set; and (iii) protects data privacy and data value. A case study of computing real shared bicycle distribution demonstrates how edge nodes servers cooperate with others to process streaming data on real time.

Keywords: Edge Computing, Streaming Data Computing, Cooperative Computing, Data Privacy

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**TRCAK B: MEDICAL, MEDICINE AND HEALTH
SCIENCES**

Assessment of the Weight of School Bags and Its Correlation With Problems of Musculoskeletal System Among School Children Studying In Selected Schools of Chandigarh

Sushma Kumari Saini^{1*}, Meenakshi², Dr. Bhavneet Bharti³,
Dr. Kavita⁴

Abstract Introduction: School bags are the essential requirement for the school going children. Which contain the textbooks, books, stationary, sport kits, lunch boxes, water bottles etc. The heavy school bag may have impact on the musculoskeletal system of children. Objective: 1) To assess the prevalence of heavy school bags and musculoskeletal problems among school going children . 2) To find the correlation of heavy school bags with problems of musculoskeletal system among school going children. Methodology: Ethical approval was obtained from Institute Ethics Committee, PGIMER, Chandigarh. The study design was descriptive Research design. Sample was drawn by Multistage sampling Technique i.e. selection of schools (Purposive), all the classes of selected schools ,selection of one section in each class by lottery method and 760 students from selected section were taken for study. The data was collected in July – November 2018. Tools used were Interview schedule for students. Observation check list was used for content of school bags, bag carrying style , size of school bag and length of school bag strap. Weighing scale was used to assess the weight of school bags, its content as well as weight of students. Screening of the students was done for heavy School bags i.e. weight of bag >10% of weight of child. Students were interviewed as per interview schedule. School bag content , carrying style, size of bag were observed by using observation check list. Results: The result of the study showed 69.7% students in government school and 80.2% in private school were carrying heavy school bags. Further 52.9% students of government school and 65.3% students of private school were having musculoskeletal problems. Musculoskeletal problems of students with heavy bags were 3.295 times higher than their counterparts. Other factors leading to musculoskeletal problems were carrying bag on one strap , Long strap ,big size bag and faulty posture. Conclusion: Children were carrying heavy bags and suffering from musculoskeletal problems.

Keywords: Heavy School Bags, Musculoskeletal Problems

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Assessment of Need of Palliative care Services in a Selected Population of Dhanas, Chandigarh

Dr Kavita^{1*}, Daljeet Kaur², Harpreet Kaur³, Komal⁴

Abstract Background: Palliative care is an comprehensive care to increase the “quality of life” of people and their family members who has to take care of the people suffering from life threatening condition. “ Palliative care” main aim is to provide the symptomatic relief and to increase life expectancy of people having life threatening disease. In India, over last 20 years the prevalence of cancer and aging population has increased. So, it is essential to know the ratio of population that require palliative care services and the ratio of population receiving such services. **OBJECTIVES:** To assess the proportion of population receiving palliative care services. **MATERIAL AND METHODS:** A descriptive research design was adopted for the study. The study was carried out in Dhanas, Chandigarh. A total of 10,021 people residing in that area were screened in the study out of which 19 were found to be in need of palliative care services. Tools used for the study were, Screening proforma consisting of three questions, socio-demographic sheet, clinical profile Barthel Index of activities of daily living and pain rating scale. Analysis of the data was done by using SPSS. **RESULT:** The results revealed that out of 10,021 surveyed population of Dhanas ,19 subjects needed palliative care services. These 19 subjects were suffering from terminal illnesses and the score of the Barthel index and other tools collectively concluded that they required palliative care services. None of the subjects were receiving any home based or institutional based palliative care services at the time of assessment. Majority of the subjects were unable to perform “activities of daily living” by their own self. Maximum population is unable to receive any professional paliative care in terminal illness. This study tends to further advocate the need of palliative care institutes in Chandigarh and spread more awareness among people regarding end of life care. **CONCLUSION:** The study concluded that there is a need of palliative care services in the studied community of Dhanas, Chandigarh. There is a Chandigarh Hospice centre in sector 43-A that is the only institute in the UT that provides end of life care. This is not known to most of the population . Need of such an institute is evident through the results of the study and more awareness among people needs to be spread about palliative care services.

Keywords: Palliative Care Needs, Palliative Care Services, Activities Of Daily Living

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A Descriptive study to assess the Impact of ‘Screen Time Use’ on ‘Sleep Hygiene’ and ‘Academic Performance’ among undergraduate Nursing students of NINE, PGIMER, Chandigarh 2018-19

Sandhya Ghai^{1*}, Aarti Rawat², Hema Bisht³, Madhu Bala⁴

Abstract Screen media usage can be useful and has become a part and parcel of individual s’ lives, extremely influencing studying and academic achievements. It can also be a diversion and become noxious and damaging habit. Due to excess use of screened devices, students are not able to avail the proper amount of sleep per night. The fashion of inadequate sleep is continuing among youth people because of emergence of technological advancements and also becoming troublesome for them. Electronic media has both pessimistic and optimistic for a being. The main aim of study was to assess the impact of Screen Time Use on Sleep Hygiene and Academic Performance among undergraduate Nursing students of NINE, PGIMER, Chandigarh. The research was conducted in classrooms of NINE, PGIMER, Chandigarh. Ethical clearance from the concerned authorities was taken. Pilot study was conducted on 54 subjects from B.Sc. (Post Basic) Nursing 1st year students to find out the feasibility of the study. Total study sample of 314 was selected by total enumeration sampling technique based on inclusion criteria. Data collected was analysed using descriptive and inferential statistics by using Microsoft Excel and SPSS 22 version and results were compiled, interpreted and depicted in tables and figures. The highest PSQI (Global Score) was found among the B.Sc. Nursing 4th year students (5.81 ± 2.69) with lowest academic performance (54.81 ± 5.79). Students of B.Sc. Nursing 2nd year had lowest PSQI (Global Score) i.e. 4.50 ± 2.28 while the highest academic performance (62 ± 8.07) was found among B.Sc. Nursing 1st year students. The study concluded that Screen time use was positively corelated with Sleep hygiene (PSQI global score) i.e. $r= 0.166$, $p=0.003$ based on Pearson’s correlation coefficient; it means greater the screen time use, higher the PSQI global score (Poor sleep hygiene). Screen time use was negatively corelated with academic performance ($r= -0.143$, $p= 0.011$) it means more the screen time use, lesser the academic performance. Sleep hygiene (PSQI Global score) was negatively corelated with academic performance ($r= -0.112$, $p= 0.047$) indicated that more the PSQI Global score, lesser the academic performance. The study suggests that various educational programs should be rendered so as to educate about less use of electronics gazette, consult students about various good sleep practices and also impart recreational activities so as to improve sleep hygiene among students. Sleep promotion camping should be incorporated in nursing curriculum to teach students about the strategies to overcome the barriers of sleep deprivation.

Keywords: Screen time use, Sleep Hygiene, Academic Performance

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