

# ECBA

Volume: 04, Issue: 37

August 11-12, 2018

Hong Kong

2  
0  
1  
8



**Society of Engineering &  
Technology, Computer,  
Basic & Applied Sciences**



**Academic Fora**

# CONFERENCE PROCEEDINGS

## BOOK OF ABSTRACTS ECBA-2018

International Conference on  
“Engineering & Technology, Computer, Basic & Applied  
Sciences”  
(ECBA-2018), Hong Kong



ACADEMIC FORA  
[www.academicfora.com](http://www.academicfora.com)

# **Book of Abstracts Proceeding**

International Conference on

**“Engineering & Technology, Computer, Basic & Applied  
Sciences”**

**(ECBA-2018)**

**Hong Kong**

**Office Address:**

**M2-17-01 Tower 2, Level 17 8trium**

**Bandar Sri Damansara**

**52200 Kuala Lumpur, Malaysia**

**Contact: (+6) 03 6735 6566**

**Email: [Contact@academicfora.Com](mailto:Contact@academicfora.Com)**



**ACADEMIC FORA**  
[www.academicfora.com](http://www.academicfora.com)

All rights reserved. No part of this publication maybe reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher. Applications for the copyright holder's written permission to produce any part of this publication should be addressed to the publisher.

Proceedings of the International Conference on

**“Engineering & Technology, Computer, Basic & Applied  
Sciences”**

**(ECBA-2018)**

**ISBN: 978-969-683-921-7**

### **Disclaimer**

Every reasonable effort has been made to ensure that the material in this book is true, correct, complete, and appropriate at the time of writing. Nevertheless, the publishers, the editors, and the authors do not accept responsibility for any omission or error, or for any injury, damage, lose, or financial consequences arising from the use of the book. The views expressed by the contributors do not necessarily reflect those of the Academic Fora.



**ACADEMIC FORA**  
[www.academicfora.com](http://www.academicfora.com)

## TABLE OF CONTENTS

<b>ORGANIZING COMMITTEE .....</b>	<b>V</b>
<b>CONFERENCE CHAIR MESSAGE.....</b>	<b>VI</b>
<b>CONFERENCE SCHEDULE.....</b>	<b>VII</b>
<b>TRACK A: ENGINEERING &amp; TECHNOLOGY, COMPUTER, BASIC &amp; APPLIED SCIENCES.....</b>	<b>11</b>
1. EVALUATION OF DYEING PROPERTIES OF ULTRA-FINE NYLON SUEDE FABRIC WITH SULPHUR DYE BY PAD-STEAM METHOD.....	12
<b>TRACK B: MEDICAL, MEDICINE &amp; HEALTH SCIENCES .....</b>	<b>13</b>
2. INFLUENCING FACTORS ON PERFORMANCE OF THE INTENTIONAL ROUNDING IN THE TERTIARY GENERAL HOSPITAL WARD NURSE.....	14
3. EFFECTS ASSESSMENT OF AURICULAR ACUPUNCTURE AND GROUP COUNSELING FOR SMOKING CESSATION IN SENIOR HIGH SCHOOL STUDENT .....	15
<b>TRACK C: BUSINESS, ECONOMICS, SOCIAL SCIENCES &amp; HUMANITIES .....</b>	<b>16</b>
4. THE ANALYSIS AND STRUCTURE OF LOCATIVE CONSTRUCTION.....	17
5. THE APPLICATION OF MEDICAL FUNCTIONAL APPAREL DESIGN FOR SENIORS.....	18
<b>FUTURE EVENTS .....</b>	<b>19</b>



**International Conference on  
“Engineering & Technology, Computer, Basic &  
Applied Sciences”  
Hong Kong  
Venue: Grand View Hotel, Hong Kong**

**ORGANIZING COMMITTEE**

**1. Mr Leon Yap**

*Conference Coordinator*

Email: leonyap@academicfora.com

**2. Mr. Metha Shahi**

*Conference Coordinator*

Email: metha@academicfora.com

**3. Ms. Petrel Qiu**

*Conference Coordinator*

Email: grace@academicfora.com

**4. Mr. Metin Gurani**

*Conference Coordinator*

Email: metin@academicfora.com



## CONFERENCE CHAIR MESSAGE

**Dr. Malika Ait Nasser**

International Conference on “Engineering & Technology, Computer, Basic & Applied 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 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.

**Dr. Malika Ait Nasser**

Conference Chair

Email: [chair2018@academicfora.com](mailto:chair2018@academicfora.com)

ECBA-2018



ACADEMIC FORA  
[www.academicfora.com](http://www.academicfora.com)

## Conference Schedule

**DAY 01 Saturday (August 11, 2018)**

### **Venue: Room 1**

09:00 am – 09:30 am	Welcome Reception & Registration
09:30 am – 09:40 am	Opening Ceremony
09:40 am – 09:50 am	Welcome Remarks –Conference Coordinator Academic Fora
09:50 am – 09:55 am	Introduction of Participants
09:55 am – 10:00 am	Group Photo Session
10:00 am – 10:30 am	Grand Networking Session and Tea Break



**DAY 01 Saturday (August 11, 2018)**

**Session I (10:30 am – 12:00 pm)**

**Venue: Room 1**

**Session Chair: Mr. Leon Yap**

**Track A: Business, Social Sciences and Humanities**

<b>MBSHR-088-ANI101</b>	The Analysis and Structure of Locative Construction	Park Hyo Won
<b>MBSHR-088-ANI102</b>	The Application of Medical functional Apparel Design for Seniors	Chang, Husiu-Yu

**Track B: Engineering & Technology, Computer, Basic & Applied Sciences**

<b>HON-388-101E</b>	Evaluation of Dyeing Properties of Ultra-Fine Nylon Suede Fabric with Sulphur Dye by Pad-Steam Method	M in Seok Kim
---------------------	---	---------------

**Track C: Medical, Medicine & Health Sciences**

<b>HON-388-103M</b>	Influencing Factors on Performance of the Intentional Rounding in the Tertiary General Hospital Ward Nurse	Jae Seon Han
<b>HON-388-106M</b>	Effects Assessment of Auricular Acupuncture and Group Counseling for Smoking Cessation in Senior High School Student	Chen-Jei

**Lunch Break (12:00 pm – 01:00 pm)**

**Closing Ceremony**



## List of Conference Attendees

The following Scholars/ practitioners/educationist who don't have any paper presentation, however they will attend the conference as delegates & observers.

Sr. No	Official ID	Name	Affiliation Details
1.	HON-388-101E1	Seung Geol Lee	Pusan National University, South Korea



**DAY 02 Sunday (August 12,2018)**

## **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.



**TRACK A: ENGINEERING & TECHNOLOGY,  
COMPUTER, BASIC & APPLIED SCIENCES**



# Evaluation of Dyeing Properties of Ultra-Fine Nylon Suede Fabric With Sulphur Dye by Pad-Steam Method

Min Seok Kim<sup>1\*</sup>, Jeong Hoon Lee<sup>2</sup>, Seung Geol Lee<sup>3</sup>, Minju Lee<sup>4</sup>

**Abstract** Ultra fine nylon suede fabric widely used as bag, shoes, cellphone cases and automotive interiors etc due to its soft, good drape properties and light weight. The conventional dyeing method for conventional nylon is dipping dyeing using acid metal dyes at  $\sim 100^{\circ}\text{C}$  for  $\sim 1$  hour. However, the dyeing of nylon by dipping method causes waste of large amount of water that leads one of the main reasons of water pollution. In this study, we evaluated dyeing properties of ultra-fine nylon suede fabric with sulphur dye by pad-steam method to reduce the usage of water during the dyeing process. We investigated dyeing properties according to dye concentrations, reducing agent contents, sodium carbonate contents, antioxidant contents, immersion temperature and exposure time in air. The dye solution consisted of dye, reducing agent,  $\text{Na}_2\text{CO}_3$ , antioxidant and distilled water at ratio 1:50. The ultra-fine nylon suede fabric were dyed for 1 minutes at  $50\sim 90^{\circ}\text{C}$ . After dyeing, unreacted dye solution remaining on the surface of ultra-fine nylon suede fabric was removed using a mangling machine and dyed sample was steamed at  $100^{\circ}\text{C}$  for 15 minutes. After steamed, it was washed with hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) and distilled water and dried at  $140^{\circ}\text{C}$  for 15 minutes. The dyed nylon suede fabrics was measured for CIE  $L^*a^*b^*$  values and total K/S (color strength) using a Macbeth color eye 3100. The optimal dyeing conditions of ultra-fine nylon suede fabric by pad steam were determined by using dye concentration of 30% o.w.f., reducing agent content of  $9\sim 13\text{g/l}$ , sodium carbonate content of  $1\sim 4\text{g/l}$ , antioxidant content of  $1\sim 5\text{g/l}$ , immersion temperature of  $70^{\circ}\text{C}$ , exposure time of 20 minutes in air and immersion time of 1 minute, respectively. Meanwhile, the colorfastness to washing, the colorfastness to light, and the colorfastness to perspiration for dyed ultra-fine nylon suede non-woven fabric were achieved in the range of 4-5 grades.

**Keywords:** Ultra-Fine Nylon Suede, Dyeing, Pad-Steam, Sulphur Dye, Color Fastness

---

<sup>1,2,3</sup> Pusan National University, South Korea

\*E-mail: seungeol.lee@pusan.ac.kr

**TRACK B: MEDICAL, MEDICINE & HEALTH  
SCIENCES**



# Influencing Factors on Performance of the Intentional Rounding in the Tertiary General Hospital Ward Nurse

Jae Seon Han\*

**Abstract** The purpose of this study was to examine the effects of perceptions of patient rounding, self-leadership and nursing organization culture on Intentional rounding performance and provide basic data necessary for the development of educational programs to promote Intentional rounding. The participants of this study were 210 nurses who had experience of patient rounding care in the general hospital wards of B city and Y city. The data were collected from February 5, 2018 to February 22, 2018, with the approval of the Institutional Review Board of the Hospital of P University. The collected data were analyzed by descriptive statistics,  $\chi^2$ -test, and independent t-test using SPSS 23.0 for windows. Logistic regression analysis was performed to identify factors influencing Intentional rounding performance. Results: 1.The average patient rounding time interval per shift was  $3.65 \pm 1.52$  hours(in Day shift),  $3.59 \pm 1.47$  hours(in Evening shift),  $3.75 \pm 1.45$  hours(in Night shift). It was found that Intentional rounding performance was carried out by 20.0% of the Day shift worker, 18.1% of the Evening shift worker, and 19.5% of the Night shift worker. 2.There was a statistically significant difference in Intentional roundig performances according to the general characteristics of the subjects in the Caregiver residence, Recommended rounding time interval in wards, Using rounding protocol in wards, and Intentional rounding intention( $p < .05$ ). 3.There was a difference in Intentional rounding performance according to the perceptions of patient rounding degree( $p < .001$ ). 4.The significant factors influencing the Intentional rounding performance were the recommended rounding time interval in wards and the presence of using rounding protocol in wards( $p < .05$ ). These results suggest that factors influencing Intentional rounding performance of the general hospital ward nurse are important factors in the recommended rounding time interval in wards and the using rounding protocol in wards. Based on this, it is expected that ward nurses will be able to provide more advanced and efficient patient rounding by promising a systematic patient rounding time for the Intentional rounding and developing appropriate protocols for each ward. In addition, there are differences depending on working hours, but the factors such as caregiver residence, Intentional rounding intention, Perceptions of patient rounding, and Self-leadership are factors that may affect Intentional rounding performance.

**Keywords:** Intentional Rounding, Performance, Perceptions of Patient Rounding, Self-Leadership, Nursing Organization Culture

\* Pusan National University Hospital, Busan, South Korea

\*E-mail: js\_1203@naver.com, h.jaeseon@gmail.com



# Effects Assessment of Auricular Acupuncture and Group Counseling for Smoking Cessation in Senior High School Student

Chen-Jei\*, Tai<sup>1</sup>, You-Jen, Tang<sup>2</sup>

**Abstract** Smoking is a serious public health problem since it harms not only the smokers but also other people in touch with the smokers. Many obstinate illness such as cancer, chronic obstructive pulmonary disease, cardiovascular disease are now be proven to be related to smoking itself. To help young smokers, particularly adolescent, quit smoking can prevent more tobacco use. Some studies showed auricular acupuncture (AA) is increasingly used to treat chemical dependency and withdrawal symptoms based as it's safe and effective. Moreover, group counseling can motivate young adults to set a quit date and strengthen their belief in quitting smoking via peer effects. The present study evaluate the effects of a 8-week smoking cessation courses consisting of AA and group counseling once per week on senior high school students aged from 15 to 18. The AA treatment was administrated at both side of ears on a weekly basis for 6 weeks. Clinicians gave an intensive counseling session assessing the readiness to quit, exploring smoking habits and identifying barriers to smoking cessation and relapsing factors. Before each intervention, the 23 participants completed questionnaires and offered levels of carbon monoxide exhalation. The participants showed significant differences in levels of carbon monoxide exhalation, daily tobacco consumptions, reduction in the taste of tobacco and intensity of the desire to smoke after 6-week consecutive sessions. However, the smoking cessation success was only 2 cases (8.7%). Given limited and uncertain efficacy of AA for smoking cessation, though it's non-invasive and safe, it's better to combine AA with other methods not only for synergistic effects but also better smoking cessation success rate.

**Keywords:** Auricular Acupuncture, Smoking Cessation, Complementary Therapy

---

<sup>1,2</sup> Universitas Islam Indonesia

\*E-mail:Fishella11@gmail.com



**TRCAK C: BUSINESS, ECONOMICS, SOCIAL  
SCIENCES & HUMANITIES**



# The Analysis and Structure of Locative Construction

Park Hyo Won\*

**Abstract** Locative Constructions and Dative Constructions have been regarded as third sentence type because of linear similarity. That is, the verb is followed by direct object and direct object is followed by prepositional phrase. Also, there is an additional similarity in these two constructions in that each construction can be converted into other construction through movement of two arguments. However, this is not enough to suppose that locative constructions should be analyzed the same as dative constructions. In addition, locative constructions have a parallel with double object constructions in case the locative constructions are turned into with-alternation constructions, showing similar linear order and semantic aspects. This is also not enough to assert that locative constructions should be analyzed the same as double object constructions. Therefore, this paper wants to demonstrate that locative constructions are not similar to other two constructions but supposed to be considered distinctive constructions. Further, in syntactic aspect, this paper will show the way to analyze locative constructions in minimalist approach.

**Keywords:** Locative Construction, Dative Constructions

---

\* Pusan National University, Korea

\* E-mail: minhee4000@gmail.com

# The Application of Medical Functional Apparel Design for Seniors

Chang, Hsiu-Yu<sup>1\*</sup>, Wu-Shu-Ming<sup>2</sup>, Lin,Tung Long<sup>3</sup>

**Abstract** Population aging is a global trend. In 2025, the ratio of elderly people in Taiwan will exceed 20% and will advance to the "Super senior society". Baby boomers (1946-1964) changed to Age Wave due to the fertility rate rapidly decreasing, which is the main cause of aging worldwide. The age wave can also drive the silver hair industry, seniors can stay active and healthy, and it is the direction that the society needs to work forward. Taiwan's textile industry is structurally sound, with man-made fiber production leading the peers in terms of 70% of global functional textiles come from Taiwan. Combined with functional materials, using sensing and cloud technology, smart clothing development can provide instant physical health testing. In this study, the Delphi Method as the research model data factor. Through several experts' interactive comparison of 25 feasible evaluation key factors, ten information models applicable to the research group were proposed, which was the key to the establishment of this models. This factor research explores the application of functional textile materials, with the silver hair (50-70 years old) as the object, combined with fashion design and creation into the wearable auxiliary as a fusion of medical and functional fashion apparel. Wearable ICT(Information and Communication Technology) transmission and detection, providing the silver-haired group in life medical health maintenance and detection and social fashion, agile and flexible mobility and convenience, in response to the modern busy and complex life to transmit medical forecast information and health warning maintenance.

**Keywords:** Population Aging, Silver Hair Industry, Delphi Method, ICT (Information and Communication Technology) Industry, Functional Textiles

---

<sup>1,2,3</sup> Tungfang Design University,Taiwan

\*E-mail: pianosax58@gmail.com

## **FUTURE EVENTS**



**You can find the Details regarding our future events by following below:**

**Business, Economics, Social Science & Humanities (BESSH) Conferences:**

**<http://academicfora.com/buisness-conference-home/>**

**Engineering & Technology, Computer, Basic & Applied Science**

**<http://academicfora.com/engineering-conference-home/>**

**Medical, Medicine & Health Science**

**<http://academicfora.com/medical-conference-home/>**

**For paper publication:**

**You can contact at [publication@academicfora.com](mailto:publication@academicfora.com)**

# HONG KONG

## Vision

**Our vision is to promote  
research excellence through  
networking Platform.**

**<http://academicfora.com>**



**Academic Fora**