Table of Contents

Business based Convergent Research

A Study on the Effects of Functional Attributes and Brand Personality of Korean vs Chinese SUV Brand ........................................................................................................................................ 1
Weihua Wang, Saebum Kim

Jeong-Mi Bae, Seong-Yeon Park

Website Quality and Offline Service Quality to Enhance Stickiness in China: The Moderating Effect of Job ........................................................................................................................................ 23
Yan-Qing Zhang, Haengnam Sung, Jae-Ik Shin

Empirical study on Hedge Effectiveness of Inverse ETF .................................................................. 35
Sang Goo Lee

The Impact Analysis of Agricultural Product Attributes on Customer Satisfaction in Traditional Market .................................................................................................................................. 45
Choongsoo Lee

The Moderating Effects of Cost-to-benefit ratio between In-flight Service and Recommendation ...... 57
Kwang-Sik Park, Jae-Won Hong

Culture Content based Convergent Research

A Study on the significance of 'absent father' in korean Fairy tales .................................................. 67
Sang Hee Park

Cross-cultural research on the car lifestyle of smartdevice users with a focus on Korea, the United States, China, and Europe .................................................................................................................. 75
Young-Sang Kim, Da-Young Ju

Desire and Salvation in the Musical Cats: Focusing on T. S. Eliot’s Old Possum’s Book of Practical
Cats ........................................................................................................................................... 85
Jung-Ae Nam
Therapeutic Tea Bowl Developed for Health and Beauty - Centered Around the Raku Tea Bowl -95
Dong Youb Yang, Jung-won Kim
German Literature from Literary Therapeutic Meaning Approach ............................................... 105
Yonsuk Chae
Study on the Motion Sickness based on the movement of objects in Stereoscopic Art .................. 115
Young-Eun Kim, Yang-Mi Lim
Function and Lessons of Japanese City Farm Act ......................................................................... 123
Jini Hyung, Seong-Min Cha
The Problem of Subjectivity in Philadelphia, Here I Come! ......................................................... 133
Jong-hoon Lee, Jong-gab Kim
Study on the Nam in-su voice with Lively .................................................................................... 149
Bong-Young Kim, Myung-Jin Bae
Stand in the Middle of the New Media Play Places Seen By the Communication of Art .......... 157
Hae-won Kim, Eun-kyung Kim

Safety and Security based Convergent Research
China’s stance on the decision of the South China Sea arbitration and its implications for International politics ....................................................................................................................... 165
Seul Ki Ahn
Study on Enhancing National Defense Security based on RFID and Internet of Things Technology ........................................................................................................................................... 175
Se-Ra Oh, Young-Gab Kim
Learning from the UK’s Operating System of Crisis Response Manuals .................................. 189
Hakkyong Kim
Information Security Model in the Smart Military Environment .................................................. 199
Seunghoon Jung, Jae-Choon An, Jae-Hong Kim, Seong-Weon Hwang, Yongtae Shin
A Study of Command and Control System through Tactical Data Link Based on Interoperability - 209
Taek-Shin Kang, Jae-Hong Kim, Kawng-je Kim, Seunghoon Jung, Jong-Bae Kim
A Study on Correlation Analysis between Terrorism and Tourism .............................................. 217
Sang-Ho Moon
Electronics based Convergent Research

Design of QCA Latch Using Three Dimensional Loop Structure ........................................ 227
Young-Won You, Jun-Cheol Jeon

Information Technology based Convergent Research

A Study on Open Source Software Business Model based on Value ..................................... 237
Sangphil Kim, Jong-bae Kim

Analysis of KNN Algorithm for Speed Prediction in Urban Roads ...................................... 245
Young-Jung Yu, Sang-Ho Moon, Seong-Ho Park

An Easy Gas Pipe Indicator Management Method in Excavation Fields .......................... 255
KeeHyun Park, In Sung Kim, Donghyeok An

Raft-D: A Consensus Algorithm for Dynamic Configuration of Participant Peers ............. 267
Yeoun-Ui Ha, Jae-Hwan Jin, Myung-Joon Lee

The Factors Affecting Continuous Usage Intention of the Idea Supporting Platform: Focusing on Creative Economy Town ................................................................. 279
Do-Bum Chung, Suhyeon Yoo, Jae-Kyeong Lee

Image Information-based Secure Keypad for Smart Devices .......................................... 289
Dongkil Tak, Dongmin Choi

An Energy-efficient Adaptive Clustering Scheme in Jammed-area for Sensor Networks .... 301
Dongmin Choi, Ilyong Chung

Study on Robust Differential Privacy Using Secret Sharing Scheme ............................... 311
Cheoljung Kim, Kwangsoo Yeo, Soonseok Kim

Sentiment Analysis by Using Semantics-Enhanced Word Embedding ............................ 321
Mei-Ying Ren, Sin-Jae Kang

Bit Register Based Algorithm for Thread Pool Management ......................................... 331
Seung-Hyeok Shin, Jun-Cheol Jeon

Improving Speech Recognition Rate by Over-sampling ................................................. 341
Hyontai Sug

Interaction Characteristics of Autonomous Driving Levels from User Perspective ............ 351
Bo Ram Gu, Da Young Ju
Architecture and Civil Engineering based Convergent Research

Development of 3D Spatial Information and convergence technology for customized care service using wireless communication, indoor location recognition and activity pattern analysis technology ........... 361
Jong-In KIM, Hee-Chun Yun

A Study on the Method of Constructing Architectural Space in Terms of Contextuality of Urban Fabric - Focused on the Examples of Urban Regeneration in Ewha-Choongsin District ............. 375
Hee-Jin Yun, Sung-Ho Lee

Augmented CM Model in the Construction Management ................................................................. 389
Jong-Kook Lee, So-Jeong Hwang, Hyo-Eun Kim

Analysis of Utilization Status about National GNSS Infrastructure Linked to Precise Positioning Service ........................................................................................................................................ 401
Joon-Kyu Park, Kap-Yong Jung

Machine based Convergent Research

A Convergence Technology Roadmapping Framework for Open Innovation in the Automotive Components Industry ............................................................................................................. 409
Hongshin Cho, Nakki Baek

Stress Distribution Analysis for High Pressure CNG Pressure Vessel Using FEM ......................... 427
Sang In Choi, Young Chul Kim, Myung Soo Kim, Tae Hyun Baek

Analysis of Principal Stress Distribution Difference of Tensile Plate with Partial Through-hole ...... 437
Sang Hyun Park, Young Chul Kim, Myung Soo Kim, Tae Hyun Baek

Healthcare based Convergent Research

The Effects of Stress and Individual Internal Traits on the Wellness of Early Adolescents ............ 445
Hye-Won Hwang

Relationship Between Patients’ Internalizing, Externalizing Disorder and Social Skill in Child Psychiatry: Moderating Perceived Father’s Parenting Style ........................................... 457
Hyo-Jeong Lyu, Kyu-Man Chae

The Influence of Cognitive Emotional Regulation Strategies of Developmentally Disabled Children's Mothers on Parenting Stress: The Mediating Effects of Social Supports ........................................ 473
Jin-Gyu Ha, Ji-Shin Kim, Jee-Young Ahn
Nurse Image and Image Determinants - Comparison of Nurse Aids and Nurse Aid Students .......... 485
Ju-Young Ha, Mi-Hwa Yoo

A Recent Trend on the Studies related to Parents of Child with Disabilities ......................... 497
Young Pyo Kim, Jong-Gu Kang

Factors affecting on Nursing Performances in Emergency Simulation ........................................ 505
Eunhee Choi, Younkyoung Kwag

Hesse's Multimedia Features and Inter-Media Crossing .............................................................. 515
Heeju Cho, Yonsuk Chae

Feasibility Analysis on Automatic Measuring Physical Strength of Children by Using Kinect Sensor ............................................................ 525
Jiyeon Moon, Jaehyun Han, Woolhyuk Jang, Eui Chul Lee

Study on Authentication and Access Control of Personal Bioinformation in Telemecine Environment .............................................................................. 533
Soon Seok Kim

The Effect of Hope and Disability Acceptance of Mothers of Children with Brain Lesions on Family Resilience ................................................................. 543
Eun-Ha Jeong, Su-Jeong Han

Analysis of Organizational Linkage of Radiation Safety Management to Dental Hygienist .......... 555
Min-Kyoung Park, Hwa-Young Choi

The Effect of Motivation and Satisfaction of dental fear on Scaling ................................................. 565
Min-kyung Lee, Chae-Im Jeong, Ji-Woon Joung, Soo-Yeon Lee, Ha-Eun Moon

Comparative Analysis of Prognostic Predictability According to Staging Systems in Patients with Stomach Cancer .......................................................... 575
Seong-Ran Lee

The Moderating Effect of Smartphone overuse on the Relationship between Adolescent’s Self-Regulation and Cyberbullying ....................................................... 583
Hae-Yeon Na, Yeon-Shin Kim, You-Jin Han

Analysis on Mental Health Condition of Parents with Disability ..................................................... 591
Hye Youn Kim

A Study on Quality Improvement of Basic Life Support Using Pocket Mask ................................... 599
Jae-min Lee, Hyeong-wan Yun

The Effects of Perceived Family Health on Health Promotion Behaviors in College Students ...... 611
Influences of Experience in Suicide Risk Factors, Mental Health, Depression on Suicide Ideation in College Freshmen ................................................................. 621

Female Nursing College Students’ Predictive Factors of Osteoporosis Health Behaviors ............... 633

Welfare based Convergent Research

A Study on Impact of Public Official’s Commitment to the Union on Administrative Service Quality and Degree of Integrity - Gender equality as a controlling variable - ............................................. 645

Factors Influencing Health-related Quality of Life in Middle-aged Women : the sixth Korea National Health and Nutrition Examination Survey ...................................................... 659

A study on work, family life, leisure activities of baby-boom generation ........................................... 671

A Multi-Level Analysis of socioeconomic status of households and influence of local society factors on Child Care Investment. .................................................................................. 681

A Study on Occurrence Background and Phenomenon Consideration of Elder Abuse: Analysis of Mechanism and Suggestions ................................................................. 691

The Effects of disability in kind benefit and cash benefit policies on the main carer of a child with a disability service satisfaction ................................................................. 701

Status and Influencing Factors of Social Welfare Services for Disabled Children ............................ 711

Effect of Participating in Community Center Programs on Depression and Quality of Life in Residents ....................................................................................................................... 721
Education based Convergent Research

Smart education - Recognition and educational applications for Early childhood education teachers 737
Kyung-Chul Kim, Seong-Joo Lee, Hye-Jung Park

The relationship between mother's parenting stress and parenting attitude on smart devices dependency in child: A mediation model of mother's smart devices dependency 747
Jung-ho Bae, Seun-ha Lee

Comparative Analysis of Beliefs about Language Learning between Pre-service English and Early Childhood Teachers 761
Jaeseok Yang, Byung-Man Kim

Effect of premedical students' participation in interdisciplinary convergence research 771
So Jung Yune, Kwi Hwa Park, Jee Young Lee

An Investigation and Analysis for Active Deployment of Coffee Distance Education - Based on Introduction of Multidisciplinary e-learning - 783
Yi-Yeon Kim, Sungkwon Hong, Kyunghoon Kim

Professionalism, Attitude, and Further Development of Preservice Young Children Physical Activity Instructors: Focused on 4-year Undergraduate Students of Department of Physical Education. 799
Oh, Jee-Eun

Effects of Nurses Image, psychological wellbeing, and career decision level on career preparation behavior in Nursing Students 809
Kyoung-Sook Lee, Seong-Ah Ahn

Jeong-Min Seong

The Effects of Science and Arts Based STEAM program Application for Middle School Students and Scientifically Gifted Students' Attitude toward Science 833
Songhee Moon, Sangehil Lee, Kyunghee Kang

Importance of Character, Level of Character Development and Demand of Character Education among Nursing Students 845
Youngju Bae, Younkyoung Kwag

A Study on the Current Status, Problems and Development Strategies of After-School 855
Soo-Dong Kim, Jun-Young Yoon, Yeong-Mo Jeong
Development of Science-Arts convergence STEAM Instructional Material using Gogh’s The starry night

Moon Yong Jung, Bang hee Kim, Jinsoo Kim

Synesthesia STEAM programs for the 5–6 grade of elementary school

Seung-Won Lee, Seungyon-Seny Lee

College Library User Studies

Eunjoo Oh, Yongseong Kim

A Study on Goryeo-sokyo Education Considering Performance Field

Eun-Jeong Jo, So-Yeon Chung

An Essay on Liberal arts and Natural sciences Integration Education by Korean Classical Poetry and Songs

Eun Ko, So-Yeon Chung

A Study on the Understanding of U.S. Law through Legal Dramas and Learning Legal English based on the Corpus

Jeong Mok Seo

The converged educational view of Natural science & Humanities by connecting local communities - mainly on elementary students and parents

Myoung Hee Yi, Young Ran Jung

The Relationship Between Self-Efficacy and Resilience of Preliminary Teacher and Adaptability

Mi-Na Lee, Myung-Hee Na

Effects of the Art Activity Program on the Development of Children’s Self-Esteem in Community Children Centers

Sun-Ock Koh

Using the Inverted Classroom to Teach Writing: A Preliminary Study

Myung-Jeong Ha