

**2021 International Conference on Information Technology  
and Biomedical Engineering**

**ICITBE 2021**

**Conference Program**

**December 24-26, 2021**

**Nanchang, Jiangxi, China**

**Co-Sponsored by**

Nanchang Hangkong University, China

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## **Message from the ICITBE 2021 General Chairs**

2021 International Conference on Information Technology and Biomedical Engineering (ICITBE 2021) aims at providing a high-level platform for experts, scholars, innovators and practitioners to share novel research and ideas in the fields of Information Technology and Biomedical Engineering. The conference plans to be held in Nanchang, Jiangxi, China, from December 24 to 26, 2021. ICITBE 2021 features Keynote Speeches from eminent professors all over the world and technical presentation from participants in different parts of world. All the program will cover a wide range of topics to cater to the needs of specific subject areas for researchers as well as faculty members.

ICITBE 2021 is Co-Sponsored by Nanchang Hangkong University, China, Jiangxi University of Finance and Economics, China, Nanchang University, China, East China Jiaotong University, China, Hebei University of Technology, China, Shijiazhuang Tiedao University, China.

We would like to express our sincere thanks to the Program Chairs: Prof. Pan Lin (Hunan Normal University, China), Prof. Yatong Zhou (Hebei University of Technology, China), Prof. Zhengyou Wang (Shijiazhuang Tiedao University, China), all program committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

Prof. Bangshu Xiong, Nanchang Hangkong University, China

Prof. Yong Yang, Jiangxi University of Finance and Economics, China

**ICITBE 2021 General Conference Chairs**

## **Message from the ICITBE 2021 Program Chairs**

Welcome to 2021 International Conference on Information Technology and Biomedical Engineering (ICITBE 2021), will be held from December 24 to 26, 2021, in Nanchang, Jiangxi, China. ICITBE 2021 will be the most comprehensive conference focused on the Information Technology and Biomedical Engineering. ICITBE 2021 will provide an opportunity for academic and industry professionals to discuss recent progress in the area of Information Technology and Biomedical Engineering. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications on Information Technology and Biomedical Engineering. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in these important subjects.

For ICITBE 2021, we received many paper submissions, after a rigorous peer review process, only very outstanding paper can be accepted for the ICITBE 2021 proceedings, published by the Conference Publishing Services (CPS). All submitted papers have undergone blind reviews by at least two reviewers from the technical program committee, which consists of leading researchers around the globe. Without their hard work, achieving such a high-quality proceeding would not have been possible. We take this opportunity to thank them for their great support and cooperation. We also would like to thank all of you for your participation in our conference, and also thank all the authors, reviewers, and organizing committee members.

Thank you and enjoy the conference!

Prof. Pan Lin, Hunan Normal University, China

Prof. Yatong Zhou, Hebei University of Technology, China

Prof. Zhengyou Wang, Shijiazhuang Tiedao University, China

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## **Industry 4.0 and Circular Economy Practices: A New Era Business Strategies for Environmental Sustainability**

Prof. Syed Abdul Rehman Khan

Department of Supply Chain and Big Data, Business Research and Service Institute, USA



### Abstract:

Amid rising environmental concerns, Industry 4.0 and Blockchain technology (BCT) are transforming circular economy (CE) practices and prevailing business models. Recognize the same; this study examines the role of blockchain technology in circular CE practices; and their impact on eco-environmental performance, which influences organizational performance. The study adopted PLS-SEM modeling for testing hypotheses, this study provides three key findings. First, BCT significantly improves the circular economy practices (circular procurement, circular design, recycling, and re-manufacturing). Second, CE practices help improve firms' environmental performance and stimulate their financial performance. Third, higher eco-environmental performance significantly boosts organizational performance. This study set-out the foundations for participating countries/firms that simultaneously achieve financial and sustainable goals by integrating blockchain technology in circular economy practices.

### Short Bio:

Dr Syed Abdul Rehman Khan is an expert of Supply Chain and Logistics Management. Dr Khan achieved his CSCP—Certified Supply Chain Professional certificate from the U.S.A. and completed his Postdoctoral Fellowship from Tsinghua University. Dr. Khan has more than twelve years' core experience of supply chain and logistics at industry and academic levels. He has attended several international conferences and also has been invited as a keynote speaker in different countries. He has published 120+ scientific research papers in different well-renowned international peer-reviewed journals (SSCI/SCI and ABS listed) and conferences, including couple of research paper indexed in Essential Science Indicators (ESI). Dr Khan is the authored of 10 books related to the sustainability in supply chain and business operations. He is a regular contributor to conferences and workshops around the world.

## **ICT in Technical and Vocational Education: Cross-validation of the TAG Model**

Associate Prof. A.Y.M. Atiquil Islam

Department of Education Information Technology, East China Normal University, China

&

Visiting Professor

School of Education, Shanghai International Studies University, China



### Abstract:

Information and communication technologies (ICTs) are becoming the sole means of technical and vocational education used to develop emerging teachers' and students' practical and professional skills. This presentation addresses the rapid introduction of educational technologies in China and the strong push to use new technologies in Chinese technical and vocational training. It also explores practitioners' varied responses to new educational technologies and their uneven adoption of new tools. As such, this presentation will exhibit how to apply Islam's (2016) Technology Adoption and Gratification (TAG) model to explore technical and vocational college teachers' adoption of and gratification in using ICTs for teaching and research. Moreover, it will explain how to cross-validate the TAG model to identify the moderating effect of male and female teachers in technical and vocational education. Finally, it will teach practitioners how to contribute to theoretical, methodical and practical understandings of the use of ICT in technical and vocational education.

### Short Bio:

Dr A.Y.M. Atiquil Islam is an Associate Professor at the Department of Education Information Technology of the East China Normal University. He is also a Visiting Professor at the School of Education of the Shanghai International Studies University. He obtained a multidimensional PhD degree by combining two faculties, namely, Education and Computer Science & Information Technology at the Institute of Graduate Studies, University of Malaya. In his field of specialization, he developed and validated three models, namely, Technology Adoption and Gratification (TAG) Model, Technology Satisfaction Model (TSM) and Online Database Adoption and Satisfaction (ODAS) Model. He has had almost 17 years of experience in academia, industry and business. He has published nearly 60 papers in first-class international journals and conferences. He has also delivered keynote addresses, invited speeches, and guest lectures many times in the past four years. He is the Editor in Chief of Journal of Innovative Technology in Education, Associate Editor of the International Journal of Smart Technology and Learning, and Article Editor of SAGE Open (SSCI). His research interests are in the arena of Assessment of Educational Technologies, ICT in Higher Education, Quantitative Modeling, Technical and Vocational Education and Training, Information Science and Artificial Intelligence.

## **A DNA Nanodevice Simultaneously Activating the EGFR and Integrin for Enhancing Cytoskeletal Activity and Cancer Cell Treatment**

Dr. Baig, Mirza Muhammad Faran Ashraf

Biomedical engineering and bio-functional materials, The University of Hong Kong



### Abstract:

Cell-surface receptors (e.g., EGFR and integrin) and their interactions play determining roles in signal transduction and cytoskeletal activation, which affect cell attachment/detachment, invasion, motility, metastasis (intra-cellular), and cell-cell signaling. For instance, the interactions between the EGFR and integrin ( $\alpha6\beta4$ ) may cause increased mechanical force and shear stress via enhanced cytoskeleton activation. Here, we design a DNA nanodevice (DNA-ND) that can simultaneously target the EGFR and integrin receptors on the caveolae. The piconewton (pN) forces in response to the EGFR-integrin coactivation can be sensed upon the unfolding of the DNA hairpin structure on the side arm of the device via changes of the fluorescence and plasmonic signals. We find that simultaneous activation of EGFR-integrin receptors causes enhanced signal transduction, contractions of the cells, and initiation of the biochemical pathways, thus resulting in a change of the cell division and endocytosis/exocytosis processes that affect the cell proliferation/apoptosis. The DNA-ND further enables us to visualize the cointernalization and degradation of the receptors by lysosomes, providing a novel approach toward bioimaging and mechano-pharmacology.

### Keywords:

Cell surface receptors, EGFR and integrin, caveolae, cytoskeleton, pN forces, DNA nanodevice (DNA-ND)

### Short Bio:

Dr. Baig, MMFA is a registered pharmacist, and currently a post-doctoral fellow (PDF) at the Faculty of Dentistry, The University of Hong Kong, under the supervision of Professor Dr. Chengfei Zhang. He received his Doctor of Pharmacy (PharmD), and MPhil (Pharmaceutical Chemistry) degrees from the Faculty of Pharmacy, Bahauddin Zakariya University (BZU), Pakistan, and a Ph.D. degree from the School of Chemistry and Chemical Engineering, Nanjing University (NJU), China under the supervision of Prof. Dr. Xing-Hua Xia. During his PharmD research, he worked on a clinical trial in the Cardiology Ward of Nishtar Hospital, Multan, Pakistan (2009-2011). Later, he worked as a “Research Assistant” on a breast cancer project in the Department of Molecular Biology & Biotechnology, BZU, Pakistan (2011-2012). His task was to analyze genetic polymorphism in the DNA extracted from the WBCs of the freshly collected blood samples. Then, he joined “Novartis Pharma, Pakistan” as a “Medical Information Officer” in the cardiovascular group (2012-2015) and won the “National Performance Award” in 2015. After that, he switched to academia in 2015 and worked as a “Lecturer of Pharmacology and Biochemistry” in Multan Medical & Dental College, University of Health Sciences, Lahore, Pakistan. He also taught Pharmacology and Physiology as a visiting lecturer at China Pharmaceutical University, and Nanjing Medical University in summer 2019. His MPhil research was focused on DNA Nanotechnology, Polymers, Material Chemistry, Drug Delivery, Biomedical Engineering, and Molecular Pharmaceutics. During his PhD, he won an excellent PhD student award in 2019 and worked on MechanoPharmacology, Advanced DNA

NanoTherapeutics, Developmental Biology, Neuroscience, Biophysics, Bio-sensing, Bio-imaging, and Diagnostics. Currently, his research focus is designing DNA-based novel functional & bio-active nanomaterials to apply in Restorative Dentistry, Oral Microbiology & Oncology, Regenerative Therapeutics, and Stem Cells Research. He has published 50 peer-reviewed articles, and 3 book chapters including 19 publications as a first author in prestigious biomedical and nanotechnology journals such as Nano Letters (ACS, USA), indexed in Harvard University Library Press, USA. He has an H-index of 12, and a total of 425 citations (google scholar) with a cumulative impact factor of 173.

## Conference Schedule

Date	Time	Standard Room
2021-12-24	09:00-18:00	Registration
2021-12-25	09:00-09:10	Opening Remarks
	09:10-09:50	Keynote by Prof. Syed Abdul Rehman Khan
	09:50-10:00	Halftime
	10:00-10:40	Keynote by Associate Prof. A.Y.M. Atiquil Islam
	10:40-10:50	Halftime
	10:50-11:30	Keynote by Dr. Baig, Mirza Muhammad Faran Ashraf
	11:30-14:00	Noon Break
	14:00-16:40	Oral Session A
2021-12-26	09:00-11:40	Oral Session B
	11:40-14:00	Noon Break
	14:00-16:40	Oral Session C

### Instructions for Presentations

#### Oral Presentation

#### Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

#### Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 15 minutes

Regular Oral Session: about 15 Minutes of Presentation

Keynote Speech: 40 Minutes of Presentation

#### Poster Session

Poster Session at Standard Room. The time at December 26, 2021

#### Devices Provided by the Conference:

Space and nails

#### Materials Provided by the Presenters:

90cm(h) × 60cm(b) poster

**December 24, 2021**

**Registration 09:00-18:00**

**December 25, 2021**

**09:00-09:10 Opening Remarks**

Prof. Wei Huang, Nanchang University, China

**09:10-09:50 Keynote 1**

Title: Industry 4.0 and Circular Economy Practices: A New Era Business Strategies for Environmental Sustainability

Prof. Syed Abdul Rehman Khan

**09:50-10:00 Halftime**

**10:00-10:40 Keynote 2**

Title: ICT in Technical and Vocational Education: Cross-validation of the TAG Model

Associate Prof. A.Y.M. Atiquil Islam

**10:40-10:50 Halftime**

**10:50-11:30 Keynote 3**

Title: A DNA Nanodevice Simultaneously Activating the EGFR and Integrin for Enhancing Cytoskeletal Activity and Cancer Cell Treatment

Dr. Baig, Mirza Muhammad Faran Ashraf

**11:30-14:00 Noon Break**

**14:00-16:40 Oral Session A**

1028	Smooth Multiobjective Portfolio Optimization Model and Its Solving Method	Chun-an Liu, Tao Jiang
1036	A wearable near infrared and tonometry-based headband for cerebrovascular autoregulation monitor	Guijun Chen, Quan Zhang
1033	The Expression of serum Hepcidin and EPO in tumor patients with radiotherapy associated anemia	SHAN Tian-tian*, ZUO Er-dong*, DAI Wei, LU Ye, PAN Xiang-tao
1040	Control of Aspergillus flavus with citronellol and its potential application as a food preservative	Lijun Linga, b,c, Kunling Jiang a, b,c, Wenting Chenga, b c,Mingmei Panga, b,c, Hong Luoa, b,c
1045	Predictive Nomogram for Depressive Symptoms in Postgraduate Medical Students: A Case-Control Study	Ze-wen Huang <sup>1</sup> , Le-jun Zhang <sup>2</sup> , Jun-yu Wang <sup>3</sup> , Lu Xu <sup>4</sup> , Ting-ting Wang <sup>5</sup> , Ming Guo <sup>1</sup> , Xi Xu <sup>1</sup> , He-li Lu <sup>1,*</sup>
1056	A Short-Term Wind Power Prediction Forecasting using Variational Modes Decomposition Based on Long-Short Term Memory	Shuning Sun, Jingyao Zhang
1061	Analysis and prediction of COVID-19 based on the SIR-B model	Yijun Shen, Xin Guo

1064	A New Imaging Method of MIMO-GPR to Improve Target Detection Accuracy	Jianjun Xi, Ling Huang
1076	The Efficiency Comparison of Two Risk Prediction Models of Cholecystitis in Middle-aged and Elderly Groups in Shanghai	YUAN Xiaoqi,Xu Qiongfán,Ming Lan, GAO Wei,Cai Lei4*
1077	Deep Learning's Application on Radiology and Pathological Image of Lung Cancer: A Review	Han Wang, Lumin Xing*

**December 26, 2021**

**09:00-11:40 Oral Session B**

1080	A Novel Face-based Approach for the Early Diagnosis of Parkinson's Disease	Changjiang HU, Peng ZHANG, Wei HUANG
1082	The Influence of Energy Distribution on Organic Magnetoconductance	Fujiang Yang*, Xinting Zhang, Baoying Yan, Lei Liu, Lijuan Tang, Feifei Wang, Juan Lin, Ningning Hu, Xiaofen Qiu and Liyuan Song
1081	Design of quantum filter for hybrid quantum-classical convolutional neural networks	Yunqian WANG, Chao CHEN, Wei HUANG
1087	The Application of Blockchain to Electronic Health Record Systems: A Review	Han Wang, Ruoyu Zhou*
1088	Comparison of aging effect between cardiac complexity and baroreceptor sensitivity	Yi-Horng Lai, Yi Yuan, Yu-xian Liang, Jia-han Yu1,2
1090	Which investment and financing mode is more sustainable in China: financing platform or ppp mode	Xie fusheng, Yang Xiaozhong
1091	Design and 3D printing of liver surgical guide template based on Mimics liver model reconstruction	Xueying Yao, Guanglin Shi, Jiajian Chen, Boshi Shang, Wenxuan Liu, Xuezhao Zhou
1092	Yak Object Detection Based on Data Augmentation of Style Transfer Method	Peng Gu, Zhicheng Dong, Ying Xiao, Hao Xiang
1093	An unambiguity Method for PD Radar using OFDM-LFM Signal	Jihong Yan, Haiyang Dong, Huan Zhang, Li Yang1, Weihan Ni, Jianshu Zhai, Cong Li
1094	Research on Intelligent Diagnosis Method of Depression Based on Audio Signal	Yinan Xin, Li Zhang, Pengfei Wu, Xinyang Liu, Zhikuan Liu

**11:40-14:00 Noon Break**

**14:00-16:40 Oral Session C**

1099	An adaptive error correction method for array receiver	Jihong Yan, Cong Li, Jianshu Zhai, Li Yang, Weihan Ni, Haiyang Dong, Huan Zhang
1100	Design of Radiotherapy Applicator for Cervical Cancer Based on 3D Printing	Jiajian Chen, Guanglin Shi, Xueying Yao, Boshi Shang, Wenxuan Liu, Xuezhao Zhou
1101	A Cross Entropy-Based Approach for Controller Placement Problem in Software Defined Network	Jue Chen, Hanmin Yin, Changwei Xiao, Dun He
1102	GOKA: A Network Partition and Cluster Fusion Algorithm for Controller Placement Problem in SDN	Changwei Xiao, Jue Chen



1123	Differential expression of mating-type genes in <i>Hirsutella sinensis</i> and natural <i>Cordyceps sinensis</i>	Xiu-Zhang Li, Yu-Ling Li, Jia-Shi Zhu
1131	Learning Channel Attention in Frequency Domain for Visual Tracking	Jun Wang, Peiyun Zhang, Chenchen Meng, Limin Zhang, Yuanyun Wang*
1133	Depthwise Over-parameterized Siamese Network for Visual Tracking	Yuanyun Wang, Wenshuang Zhang, Limin Zhang, Changwang Lai, Jun Wang*
1137	Empirical study on electromagnetic response characteristics calculation of IP anomalies in 3D geological bodies	Jianjun Xi
1163	Communication Strategy of Trendy Brands under the Background of New Media	Zhaoyuan song <sup>1</sup> and Shui Jin* <sup>2</sup>
1180	Research on the Evaluation Index System of Randomness of Individual Opinion Evolution in Knowledge Collaboration	Fang Yue,Zongbo Mu,Jijun Xiao,Han Zhang

## Poster Session

A guided test case generation algorithm based on the method of collision domain detection	Fengyu Yang, Yongjian Fan*, Zheng Fang
A mixing model for monitoring trace oil at sea	Huimin Lu, Yundong Han, Weili Liu
A Preliminary Study of GIS Technology in Rural Landscape, with Yanqing as an Example	Lin Liu, Kai Huang, Zhongxing Sun
A Spatio-temporal Big Data Decision Support System of Real Estate	Fei Xiao, Wenhua Guo, Wenchao Liu, Jianying Zeng
A Text Classification Method Based on Graph Attention Networks	Yong Liu, Xiangnan Gou
Analysis of Physicochemical Characteristics and Evaluation of Heavy Metals in The East Juyan Lake Basin Sediments	Kunpeng li, Chen Chen, Huawei Shi, Xiuji Guo, Xiaofei Yan
Application of SVD EMD SG Combination Algorithm in TDLAS Rice Seed Respiration Detection	Yuan Jun, Jia Liangquan*, Gao Lu, Qi Hengnian, Huang Xu
Application of Wireless Mesh Network Based on Zigbee in Mine Safety Monitoring System	Yunxiao Qiang, Zimin Fan
Assessment of breast cancer mesenchymal tumor infiltrating lymphocytes based on regional segmentation and nuclear segmentation classification	Zhenrong Lin, Zhiyong Xiong, Chengyan Wei, Weili Wang, Zhiming Peng
Changes of tongue color parameters with different syndromes in diabetic patients with deafness	Li Ruiyu*#, Li Yue#, Li Xing, Li Meng, Guo Weiya, Hou Jinjie

Copper loaded ureteral stent reduces encrustation	Jianzhong Li1, Jing Zhao
Design of Laboratory Safety Window Based on Single-chip Microcomputer	Meng Chao
Design of Temperature and Humidity Control System for Medicine Cabinet in Biological Laboratory Based on Embedded System	Meng Chao
Detection method and kit development of Brucella based on isothermperature amplification technology	Bin Wu*, Pingping Yan, Qiong Zhang, Lin Zhang, Qingjie Ying
DNDT: Infrared and Visible Image Fusion Via DenseNet and Dual-Transformer	Haibo Zhao, Rencan Nie*
Dynamic response of a class of fractional-order biomedical model under fractional delay feedback	Zhoujin Cui, Zisen Mao, Xiaorong Zhang
Effect of "Ying Wei Fang plus or minus" on patients with type 2 diabetes complicated with depression	Li Ruiyu*#, Li Yue#, Li Xing, Li Meng, Guo Weiya, Hou Jinjie
Empirical Research on Digital Resource Assessment of University Library	Shi Ruoyao
Grifola Frondosa Polysaccharides affects gut microbiota and lipid profiles depended on the molecular weight in mice	Xiuyu Ji1, 2, Xinli Liu1, 2, Deqiang Zhu1, 2, Zhenshang Xu1, 2, Yaqi Chu1, 2, Song Zhang1, 2, *
Hierarchical Graph Sparse Attention Network for Online Action Tracking	Gaofeng Li, Songlin Wang
Identification of hub miRNAs and LncRNAs of uveal melanoma with weighted gene correlation network analysis	Xi Yang, Xu Shao, Huifang Ye, Ying Cui, Rongrong Le
Image Super-Resolution Reconstruction Based on Multi-scale Residual Learning	Shuying Huang, Jichao Wang, Yong Yang *
Investigation of Time-delay Nonlinear Dynamic System in Batch Fermentation with Differential Evolution Algorithm	Zhang Pai, Yang Qi*
Key frame extraction for falling detection	Jingjin Du* , Yale Zhao* , Shanna Zhuang* †, Zhengyou Wang* †
Lane Departure Warning Model Based on Slope	Xueting Zheng* , Zhengyou Wang* †, Yanan Zhang* , Shanna Zhuang* †
Motion Planning and Compliance Control Method for Direct Drive Vacuum Manipulator	Zhang Zefeng, XU Fang
Multi-scale Profile-HMM action recognition based on double matching states	Xinyue Gao*, ZhengyouWang*†, ChangmingWang*, ShannaZhuang*†

On the Empirical Distribution of Coverage Regions in Strauss Cellular Networks	Chunlin Chen, Yan Han
Optimization algorithm of raw material ratio of zircon brick based on SVM and APSO	Yufeng Liang, Wenxue Wei, Jiajia Jiang, Yuanyuan Qu
Over-expression of SSU1 gene improves the sulfur resistance of <i>Saccharomyces uvarum</i>	ZHANG Zhiming, LIU Xiaozhen, ZHANG Hanyao, YIN Tuo, GAO Yuhong
Pedestrian Attribute Recognition Based On Deep Learning : A Survey	Xi Chen* , Shanna Zhuang* , † Xueting Zheng* , Zhengyou Wang
Project Teaching Platform for BOPPPS Model in Engineering Education based on Spring Framework	Rongjun Chen, Haomin Huang, Xindi Zhang, Yani Zheng, Lin Wang, Huailin Cu
Rail Identification Using Camera and Millimeter-Wave Radar Data	Fei Shouyong, Zhang Jimin, Xu Lichao, Zong Zhenhai, Luo Jinnan
Rapid and auxiliary decision system of earthquake emergency based on QGIS	Yang Bin, Yang Li
Research on CPSPWM Reconfigurable Control of Cascaded Multilevel Converter	Fei LV, Wang MIAN, Songtao ZHANG
Research on Light Field Correction Based on LinkNet in HER2 Pathological Image	Zhenrong Lin, Lijun Song, Luyang Wang, Weili Wang, Cong Ji
Research on predicting velocity-time integral of shunt flow using time-frequency features of heart sound with correlation	Mengying Zhou, Huilong Duan, Qiang Shu, Jingjing Ye, Haomin Li*
Researches on Information-based Ship Equipment Supporting	F.G.Shen , W.Lin*,G.X.Hu
Safety evaluation of naval ship wire rope based on damage detection technology and strength loss	W.Lin, H.Li,G.X.Hu,F.G.Shen
Scene Classification of Remote Sensing Images Based on Deep Network Transferability and Image Complexity	YANG Zhou, HE Yu-jie, HAN Si-Ming
Speed and angle based trajectory simplification algorithm	Zhong Yuanzhi
Stock prediction method based on BP neural network*	Xiangcheng Jian, Guanzhan Li, Zhicheng Wen
Strategic Analysis of Green Marketing in Chinese Textile and Garment Industry under the Background of Big Data	Weijian Li and Chenggang Li *
Study on the detection method of rabies virus and the development of its kit based on RAA technology	Wu Bin <sup>1</sup> Wan Xue <sup>1</sup> Su Liming <sup>1</sup> Zhang Lin <sup>2</sup> Ying Qingjie <sup>3</sup>

Study on The Method and Performance of Ceramsite Manufactured from Zipingpu Reservoir Sediment	Lihua you, Kunpeng li, Hong li, Huawei shi, , Chen chen,
Study on the Tribological Characteristics of Carbon Fiber Board Containing Superfine Copper Powder Additive	Xia Minhua, Li Wei*, Chen Wengang
Supervised Learning based on Local Recurrent Spiking Neural Networks	Yuping Zhang <sup>1</sup> , Li Cui <sup>1</sup> , *
The compact genetic algorithm based method for disease associated study	ZHAO Jing, WEI Bin, SHE Xuan
The Comparison of Two SVPWM Methods for Low-Speed Control of PMSM in Servo System	Zhao Xiaorui <sup>1</sup> , Zhang Dongge, Zhang Yiqi
The effect of PPAR $\gamma$ activation on fracture healing in rabbits and optimization	ZHAN Ri-xin, ZHU Jian-long, YU Wei-biao, GUAN Zhong-ning, ZHANG Jin-xi, LAI Le-xiang, LI Jing-jing
The Physicochemical Characteristics and Evaluation of Heavy Metal Pollution of The Hualiangting Reservoir Sediments	Kunpeng li, Huawei Shi, Chen Chen, Shian Zhang, Xiaofei Yan
The roles of consumer confusion, education, and age between word of mouth and impulsive purchase: A mediated moderation model	Yan-qing Song
The therapeutic effects in Inflammatory Bowel Disease of Functional oligosaccharide combined with probiotic	Ping Zhang <sup>#</sup> , 1, Le Su <sup>#</sup> , 1, Yue Su 1, Xiuyu Ji <sup>1</sup> , Qiulin Yue <sup>1</sup> , Chen Zhao <sup>2</sup> , Song Zhang <sup>1</sup> , Xin Sun <sup>1</sup> , Lin Zhao <sup>*</sup> , 1
The Transformation Method of Vehicle Dynamics Right Hand Coordinate System and Image Left Hand Coordinate System	Chunguang Duan, Lingling Zheng, Xueli Guo
Three-dimensional reconstruction of railway driver based on monocular camera	RenchuanWang <sup>*</sup> , ZhengyouWang <sup>*†</sup> , Zewen Zhang <sup>*</sup> , ShannaZhuang <sup>*†</sup>
Variety, Quantity or Price, the Source of Dynamics of China's High-tech Products Exports to 16 CEECs	Zhuiqiao Jin, Yitong Zhou, Junxian Jiang *

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