

An Innovated Research for Proceeding the Portfolio Investment & Guangdong & Southeastern Nations GDP Changes Analysis by Sustainability

Run Xu¹, Changfu Jin², Xianglan Piao², Yongri Jin¹, Fengzhi Piao¹, Shupeng Li¹, Yonggen Wu³, Wanhao Wu³

¹Gyeongsang National University, Jinju 52828, Gyeongnam, South Korea

²Yanbian University, College of Engineering, Dept. of Agricultural Machinery, Yanji city 133000, Jilin Province, China

³Yantai University, Faculty of Electron-Mechanical &Automotive Engineering, Yantai 264005, Shandong Province, China

*Corresponding Author: Run Xu

DOI: <https://doi.org/10.5281/zenodo.20676247>

Article History	Abstract
Original Research Article	<p><i>As an important behavior with portfolio &stocks dealing investment method the low risky investment may be processed by construction and individuals which may bring up beneficial amount if the correct behavior consulted with counselor in a secure security company. That may be guided the quantity investment ie choosing stocks machine designed by the financial and mathematical scientist &experts who are proficient with those market stocks price vibration through erecting a artificial intelligence modeling that may judge the current price tendency with joint position from low to high one. Therefore, the machine might tell us the choosing one stock and buying &selling time with raising limited board eventually from so many stocks in exchange market with several seconds. Therefore, the software app may help us to finish the choice time and sale one as well if the investor spend a certain money to counselor in finance firms. So we may follow the teacher instructions to buy one stock and wait for the automatic tool telling us the selling time simply. Moreover the reducing risk and gaining benefit the portfolio combination with several stocks and funds &national debts may give us more stable incoming from the investment behavior. On the other side, the financial innovation will bring up new quality productivity with following the high-Technique skill and product too, which may provide the more money from them to earn for the sake of increasing GDP(gross domestic product) ultimately. We should seek the proper investment chance and learn some technique knowledge so as to help us with finding more money from the outside. So that the highly risky investment may not maintain us to become high-profit certainly, the middle and low capital investment with more security behavior will become lots of men and initial members transacting one. Thereby those expertise invested judgement can make us to learn more investing skill and pay for external financial advice together. We should sustainably look for creating innovation reformation from current situation with high-GDP level and make a preparation in advance to meet the investing opportunity. Furthermore, the ETF(exchange traded fund) will build a piles of stocks &fund dealing behavior in order to decline the general risk and make more money. Meanwhile, the high-technique investment will carry out our long-terms benefit with growing the invested company if we find the new and potential stock. Only continuous investment behavior may make us to earn the more money from the buying those companies stocks in a certain amount, which will take up more than 28 times benefit within 8 years.</i></p> <p>Keywords: an Innovation searching, Portfolio investment methods, China Stocks changes, by Sustainability, Guangdong &Southeastern nations GDP changes</p>
Received: 12-04-2026	
Accepted: 16-05-2026	
Published: 13-06-2026	
<p>Copyright © 2026 The Author(s): This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC BY-NC) which permits unrestricted use, distribution, and reproduction in any medium for non-commercial use provided the original author and source are credited.</p>	
<p>Citation: Run Xu, Changfu Jin, Xianglan Piao, Yongri Jin, Fengzhi Piao, Shupeng Li, Yonggen Wu & Wanhao Wu. (2026). An Innovated Research for Proceeding the Portfolio Investment & Guangdong & Southeastern Nations GDP Changes Analysis by Sustainability. UKR Journal of Multidisciplinary Studies (UKRJMS), 2(6). 147-152.</p>	

1. Introduction

The high-technique product and skill will become more significant than ever because AI (artificial intelligence) technique replaces the automatic and man-work flow-lines in a maker largely according to News report. So that those high-tech skill will transform into the product making ability may occupy a more important task for our scientist and engineers to deal with. Therein, the many AI Robots have to enter the maker workshop to efficient work for men will be prevalent and low cost. At the same time, the AI Robot making makers will stand in the mount peak to proceed all kinds of experiment trials and expand those function software and hardware that may be instructed collaboratively by the university PhD who grasped some important message. Through contacting those cooperation experiment with parameters like temperature, time and deviation scope grasping conditions might be exhibited between them which may play an important effectiveness on how to produce the new product more precisely and having low-cost features. Another one will erect the product equipment like processing machine, automatic flow-equipment which may be depending on the out-source-enterprise with the demand condition. Then the scientists will give his opinions to the deviation endurance which makes the possible making capacity upwards and looks forwards to enduring more time without main error.

The tertiary industry would involve on service business like high-technique-service office for enterprises influence in one region whose making purchase order and complaint so as to request more orders from the maker in neighbor maker and sale centers. They will transfer message from the ultimate customer to factory for improving their some function continuously as a consultation company. On the other hand, the whole GDP increasement might influence the tertiary one reversely due to enough income could raise our consumption capacity, special in service business. However the which business we could proceed the GDP factors will be enhanced from their physical & brain labors. Thereby, whatever you pursued the certain dedication to our society progression at all.

At the end the tertiary one role is made strong more and more when seeing the GDP value, therefore more and more stores and offices will be allocated in city for the sake of acquiring more information about their products. Meantime, the special sale stores will be much than ever like Huawei handphone and i-pad even portable computer which is a high-light in a department lobby. Their aim at increasing sale amount is one aspect firstly, then sell EV etc. new concept electric auto is two one. As we knew the price difference between them might attain more than 50 times. So that the perspective will be watched special in the tertiary industry which may create more profitable mediate-

life consumption less than ten years. Maybe after decade the humanoid robots would enter our life like family, coffee store & canteen in light of present tendency and development, so we might share the automatic time in advance. [1~30]

2. Discussions

Through improving GDP value with all aspects of proceeding much endeavour and conquest by our scientist and professors the our convenient live will be acquired with those contribution to our society enlarged level. Hence, we are to continuously process our resolution to utilizing new-quality-productivity with new technique special in interdisciplinary field contribution for the sake of eventually eliminating contamination source from the carbon atmosphere in earth. Therefore, the less cultivation from minerals for maintaining low-carbon atmosphere protecting the cherish natural resource for another usefulness will be urgent task met in front of our progression paces. Therefore, the improving our live condition might be formed and the only thing for us to process will become specialized for many new subjects to study in schools in advance. Hence the advancement subjects can be created by our constant endeavour with different subjects combined by inter-disciplinary ones which may become an important measure to be learned and developed by us from now on.

2.1 Portfolio investment methods I

As for the portfolio investment you can form a 6:4 portfolio by combining China-US broad-based funds and China-US bond funds, or adjust it to a 4:6 ratio depending on market conditions. In terms of index funds, you can allocate 30% each to China and the US, or adjust it flexibly based on valuation. This portfolio is simple, easy to understand and implement.

1. Dario All-Weather Portfolio might include as below. This portfolio consists of 30% stocks, 40% long-term government bonds, 15% medium-term government bonds, 7.5% gold, and 7.5% commodities. This portfolio includes a small amount of the more volatile commodity category, aiming to achieve stable returns in any economic environment through diversification across various economic conditions.

2. Rick Falley's Core 4 Portfolio would indicate following. This portfolio is constructed based on 6 major investment themes and 4 types of risk preferences, consisting of 24 investment options, including global stocks from the United States, Europe, Japan, South Korea, Canada and other countries and regions, as well as core assets such as US real estate REITs and US comprehensive bonds. This portfolio is suitable for investors who wish to achieve diversified investment through simple asset allocation.

3. Stevenson Endowment Fund portfolio could be as below following. Proposed by Yale University's Chief Investment Officer David Stevenson, it consists of 30% US stocks, 20% international stocks, 20% US real estate REITs, 30% US government bonds and Treasury Inflation-Protected Securities (TIPS). The aim is to achieve a balanced risk and return through diversified asset allocation, suitable for long-term investment, especially for institutions and fund management. [1]

2.2 Stock price changes

The Stock price changes might show the <Baotong Tech> 300031 & <Shijin Intel> 003025 on May 27, 2026 with morning observation. [2] Meantime, the <Yingxin Dev> 000620 & <Kunlun Wanwei> 300418 will be referred the same day. [3] The internal indicator on May 26, 2026 will indicate as below. The below ones can refer to the <Ande Li> 605198; <Huadian Energy> 600726; <Weiland Li-xin> 002245. [4] Meanwhile, the farewell ones may be like <Huatian Tech> with 002185; <Zhongwu High-Tech> with 000657; <Hongri Da> with 301285. [5] At the same time, the algorithm direction will include in <Runjian Holder>; <Shengshi Tech>; <Hongxin Electron> while the commercial astronautics one may involve in <Jiahuan Tech>; <Hongyuan Electron>. [6]

2.3 Guangdong & Southeastern nations GDP changes analysis

The Guangdong & Southeastern nations GDP changes would show 604 billion dollars~486 billion dollars by Singapore~Philippine accordingly in 2025 in light of Figure 1 to record the former forwards economic momentum situation with 1.23 times variation among them. The y-y value would exhibit 2.7%~6% by Philippine & Malaysia accordingly indicated the Malaysia more upwards developed pace.

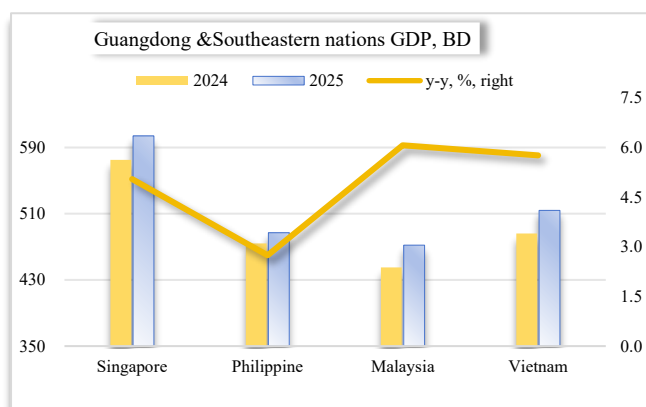


Figure 1 The Guangdong & Southeastern nations GDP changes analysis. [7]

On the other side, the Guangdong & Southeastern nations GDP changes would show 604 billion dollars~486 billion

dollars by Singapore~Vietnam accordingly in 2014 in light of Figure 2 to record the former forwards economic momentum situation with 1.24 times variation among them. The y-y value would exhibit 15.5%~41% by Malaysia & Vietnam accordingly indicated the Vietnam more upwards developed pace.

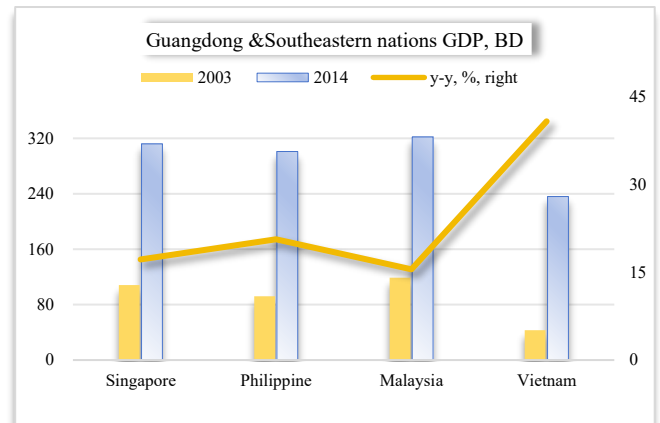


Figure 2 The Guangdong & Southeastern nations GDP changes analysis I. [7]

On the other side, the Guangdong & Southeastern nations GDP changes would show 1,010 billion dollars~404 billion dollars by Guangdong~Thailand accordingly in 2014 in light of Figure 3 to record the former forwards economic momentum situation with 2.5 times variation among them. The y-y value would exhibit 27.4%~13% by Malaysia & Vietnam accordingly indicated the Guangdong province more upwards developed pace.

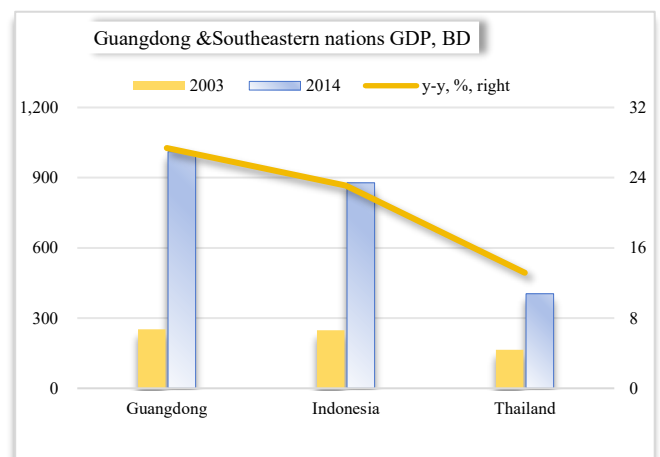


Figure 3 The Guangdong & Southeastern nations GDP changes analysis II. [7]

On the other side, the Guangdong & Southeastern nations GDP changes would show 80 billion dollars~198 billion dollars by Guangdong~Indonesia accordingly in 1994 in light of Figure 4 to record the Indonesia forwards economic momentum situation with 2.5 times variation among them. The y-y value would exhibit 58%~19% by them accordingly indicated the Guangdong province more upwards developed pace.

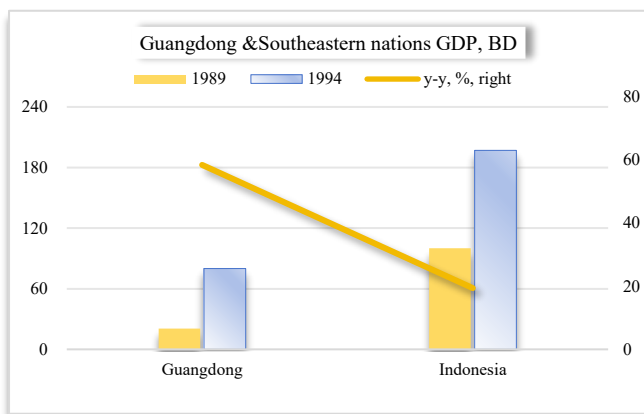


Figure 4 The Guangdong & Southeastern nations GDP changes analysis III. [7]

On the other side, the Guangdong & Southeastern nations GDP changes would show 165 billion dollars~85 billion dollars by Thailand & Singapore accordingly in 1994 in light of Figure 5 to record the former forwards economic momentum situation. The y-y value would exhibit 22%~31% by them accordingly indicated their more upwards developed pace.

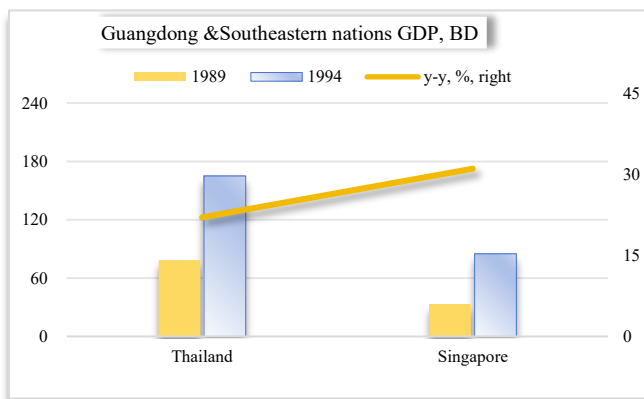


Figure 5 The Guangdong & Southeastern nations GDP changes analysis IV. [7]

3. Conclusions

As an important behavior with portfolio & stocks dealing investment method the low risky investment may be processed by construction and individuals which may bring up beneficial amount if the correct behavior consulted with counselor in a secure security company. That may be guided the quantity investment ie choosing stocks machine designed by the financial and mathematical scientist & experts who are proficient with those market stocks price vibration through erecting a artificial intelligence modeling that may judge the current price tendency with joint position from low to high one. Therefore, the machine might tell us the choosing one stock and buying & selling time with raising limited board eventually from so many stocks in exchange market with several seconds. Therefore, the software app may help us to finish the choice time and sale one as well if the investor spend a certain money to

counselor in finance firms. So we may follow the teacher instructions to buy one stock and wait for the automatic tool telling us the selling time simply. Moreover the reducing risk and gaining benefit the portfolio combination with several stocks and funds & national debts may give us more stable incoming from the investment behavior. On the other side, the financial innovation will bring up new quality productivity with following the high-Technique skill and product too, which may provide the more money from them to earn for the sake of increasing GDP (gross domestic product) ultimately. We should seek the proper investment chance and learn some technique knowledge so as to help us with finding more money from the outside. So that the highly risky investment may not maintain us to become high-profit certainly, the middle and low capital investment with more security behavior will become lots of men and initial members transacting one. Thereby those expertise invested judgement can make us to learn more investing skill and pay for external financial advice together. We should sustainably look for creating innovation reformation from current situation with high-GDP level and make a preparation in advance to meet the investing opportunity. Furthermore, the ETF (exchange traded fund) will build a piles of stocks & fund dealing behavior in order to decline the general risk and make more money. Meanwhile, the high-technique investment will carry out our long-terms benefit with growing the invested company if we find the new and potential stock. Only continuous investment behavior may make us to earn the more money from the buying those companies stocks in a certain amount, which will take up more than 28 times benefit within 10 years.

Funding

This paper was supported by the Korean Science & Engineering Fund (KSEF) at the granted No. 96-0300-11-01-03, under the Specific Basis Research Program.

Ethic Declarations

The authors declared that there were not conflict of interest.

References

1. Portfolio investment methods, Yahoo.com
2. Yixuetant Investment & teaching, May 27, 2026
3. Jiufang Yun Intelligence & service, May 27, 2026
4. Shenzhen Bozhong Stocks detector, May 27, 2026
5. Jiufang Yun Intelligence & service, May 25, 2026
6. Yixuetant Investment & teaching, May 26, 2026
7. Guangdong & Southeastern nations GDP changes May 27, 2026
8. Run Xu, An Innovation Searching for Prospering Financial Reformation like Stock's Sectors

- Increasing Amount and Economy GDP & its Per Capita Enhancement on Scientists Sustainably, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 153~157 Impact factor 4.33
9. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with Different Regions on Scientists with Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 148~152 Impact factor 4.33
 10. Run Xu, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 143~147
 11. Run Xu, Changfu Jin, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP with Different Regions Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 139~142
 12. Run Xu, Changfu Jin, Xianglan Piao, Yonggen Wu, Jing Yu, Jiagunag Liu, Tianyi Yan, Wanhao Wu, An Innovation Searching for Prospering Financial Reformation e.g. the ETF and Economy GDP Continual Enhancement on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 194~198
 13. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement on Scientists Publishing their Achievements at High Impact Factor Journals by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 189~193
 14. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with G20 Group etc. on Scientists' Behavior and Judgement with Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 184~188 Impact factor 4.33
 15. Run Xu, An Innovation Searching for Prospering Financial Reformation like ETF and Economy GDP Enhancement with Some Various Regions on Scientists by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 178~183 Impact factor 4.33
 16. Run Xu, Changfu Jin, Yonggen Wu, Wanhao Wu, Tianyi Yan, An Innovation Searching for Boosting Financial Reformation e.g. ETF and Economy GDP Enhancement on Scientists' Behavior and Judgement Writing Papers by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 199~203 Impact factor 4.33
 17. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Hubei & Hunan Provinces on Scientists' Published Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 204~208 Impact factor 4.33
 18. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with Osaka & Shanghai and Hong Kong Cities & Shandong and Fujian Provinces on Scientists' Analysizing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 303~307 Impact factor 4.33
 19. Run Xu, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Indian Cities & Shandong and Fujian Provinces on Scientists' Analysizing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 308~313 Impact factor 4.33
 20. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tao Yu, Tianyi Yan, Zhenguo Li, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with Various Cities on Scientists' Published Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 314~319 Impact factor 4.33
 21. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tao Yu, Tianyi Yan, Zhenguo Li, An Innovation Searching for Prospering Financial Reformation e.g. ETF and Economy GDP Enhancement with High-Speed Train Milage on Scientists' Published Behavior and Judgement through Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 320~325 Impact factor 4.33
 22. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with the India & Taipei on Scientists' Analyzing Behavior and

- Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 10~13 Impact factor 4.33
23. Run Xu, An Innovation Searching for Prospering High-Technique Product and Economy GDP Enhancement with Indian Maharashtra State & Beijing City and Nobel Laureates on Scientists' Analyzing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 14~18 Impact factor 4.33
 24. Run Xu, Changfu Jin, Wanhao Wu, Yonggen Wu, Tianyi Yan, An Innovation Searching for Prospering Economy GDP Enhancement with the Indian & Chinese North-Eastern Three Provinces and Nobel Prize Amount Ranking Analysis on Scientists' Writing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 24~28 Impact factor 4.33
 25. Run Xu, Changfu Jin, An Innovation Searching for Prospering Economy GDP Enhancement with the Holland & China Provinces and Forecasting Global Ranking Analysis on Scientists' Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 19~23 Impact factor 4.33
 26. Run Xu, Changfu Jin, Yonggen Wu, Tianyi Yan, An Innovation Searching for Prospering Economy GDP Enhancement with the Holland & China Jiangsu etc. Provinces and Forecasting Global Ranking Analysis on Scientists' Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 29~32 Impact factor 4.33
 27. Run Xu, Changfu Jin, Xianglan Piao, Yonggen Wu, Tao Yu, Boyong Hur, Hyojun Ahn, An Innovation Searching for Prospering Economy GDP Enhancement with the Venezuela vs Shanghai City & Anhui Province etc. vs the Global Average Level etc. Analysis on Scientists' Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 33~37 Impact factor 4.33
 28. Run Xu, Changfu Jin, Yonggen Wu, Tianyi Yan, An Innovative Research about Thriving Chinese New-Power Auto-Makers Sale numbers in 2025 & GDP Enhancement with Venezuela and Chinese Cities etc. Additionally Hubei & Hunan Provinces on Scientists Sustainably, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 38~42
 29. Run Xu, Changfu Jin, Yonggen Wu, Tianyi Yan, An Innovative Research about Thriving GDP Enhancement with Chinese North-Eastern Three Provinces and Indian States, Additionally Nobel Prize Amount Variations on Scientists Sustainably, UKR Journal of Economics, Business and Management, Volume 2, Issue 1, 2026, 43~47
 30. Run Xu, An Innovative Research about Booming GDP Enhancement with Chinese Hubei & Hunan Provinces, Additionally Stocks Sector Variations on Scientists by Sustainability, UAI J Mult Cul Stu., Volume-2 Issue-1 (January~February) 2026, 29~32