

# An Innovated Study of Retrieving the Jiangsu & London City GDP Analysis and the Global IT Exportation Variations & the 2005 China cities GDP variations by Sustainability

Run Xu<sup>1</sup>, Sangshik Kim<sup>1</sup>, Taehyeon Nam<sup>1</sup>, Changfu Jin<sup>2</sup>, Xianglan Piao<sup>2</sup>, Wanhao Wu<sup>3</sup>, Yonggen Wu<sup>3</sup>, Guanghui Yu<sup>3</sup>, Jiaguang Liu<sup>3</sup>, Xiangyu Piao<sup>4</sup>, Zaixuan Li<sup>5</sup>

- <sup>1</sup>. Gyeongsang National University, School of Nano New Materials Engineering, Jinju-Si 52828, Gyeongnam, Korea
- <sup>2</sup>. Yanbian University, Dept. of Agricultural Machinery, Yanji 133000, Jilin Province, China
- <sup>3</sup>. Yantai Institute of Science & Technology, Yantai 264005, Shandong Province, China
- <sup>4</sup>. Johnson Motor (Shenzhen) Co.Ltd., Shenzhen 518125, Guangdong province, China
- <sup>5</sup>. Changwon National University, Dept. of Materials Engineering, Changwon 51140, Gyeongnam, South Korea

\*Corresponding Author: Run Xu

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Article History	Abstract
<b>Original Research Article</b>	<p><i>As we knew the GDP(gross domestic product) can wield its usefulness on evaluating economy status in one region within one period that may explain the goodness &amp; badness there for us to know the accurate value variation in detail. So for the sake of knowing its meaning we should consider all the aspects to exhibit the intrinsic relationships make us to know the detail joints affect our value and following life convenient conditions like the incoming, expenditure &amp; reserved money in the views of the capital route. Therefore, the high GDP value means the high expenditure like purchasing daily &amp; consumptive goods, experiencing health appliance &amp; drug, buying cars etc. all kinds of expending occasions. Hence, the high society request needs more money with regards to increasing that value that may enhance our level and quality than those lower ones in advance. The more high-tech like AI (artificial intelligence) product includes smart robot, smart flow-line assembly &amp; payment machine with multi-diversities like the third payment. So that the more sophisticated diversities will become more prevalent than ever that requests our engineer and experts to process more possible routes for our more convenience and comfort behavior and paying capital timely and accurately than past. Moreover the higher demand will make our enterprise to proceed more advancement occasions sustainably that may bring out innovation technique and products in future eventually. Through detailing investigation our experts should master the market tendency and corresponding new measures in order to increase our innovative products capacity and push into the relevant market always and continuously. With using those trial occasions all of us can experience its new function and agree to that one advantages under tolerating cheapness cost like more launch producing. Meanwhile, the basis research &amp; development in units will be advocated by the government institution to rouse the advancement function &amp; multi-functions for the sake of continuously push those smart machine to the public. Hence the high-technique may promote the tertiary industry thriving that also can increase the part GDP raising undoubtedly. At the end the educated talents like university graduates will be recruited to work in different divisions for the sake of communicating each other experiences to reach a good circulation which can help company to finish the useful advice and adopt new innovation ones sustainably and continually.</i></p> <p><b>Keywords:</b> Retrieving the Jiangsu &amp; London city GDP analysis, 2005 China cities GDP variations, the global IT exportation variations, by sustainability, an innovated study.</p>
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## 1. Introduction

The potential talents need to be emphasized and trained a periodical education experience so as to raise the competition capacity each other that will take up the usefulness methods to be birthed constantly. The collaborative combination and cooperative spirit will be advocated by us so as to make an innovative item like software program making capacity besides hardware searching and exploration. From the composition to the performance the series experimental with a series of processing stages like combining compositions, processing, evaluating, processing again, evaluating longevity & making product and brain judgement like modeling erection with principle formula will indicate that first one factor to determine the predicting performance result and longevity. So we should investigate broadly and clarify the key points and then start our theoretical modeling exhibition with the help of experimental proof that may bring out many chances for us to process continually.

Meantime, the investment behavior may be proceed by the similar method with experiment and judgment capacity. The first experiment will be done several hundred stocks in exchange center use portfolio combining strategic plan and then after some time the evaluating its earning will be expressed, and the goodness with AI investment machine and mathematical deduction modeling to analyse the price changes even vibration. Thereby, the financial innovation will make us to be a rich-man that contributes to the tertiary industry enhancement eventually and ultimately. Hence, the reformation idea will occupy the first and important factor for us to master its behavior and judgement like financial one that may bring us more beneficial capital than ever because the quantization investment and evaluating stock price within 5 thousand. Thereby, the stocks evaluating system will be more prevalent and urgent for our constitution investment behavior. There are so many tips tell us following the main capital to win the game that is like a fairy tale story under the help of AI machine.

At the same time, the nations industry advancement will influence our life level like 16° electric consumption per people per day in China 2025. the more energy electric generator has to be increased gradually year by year so as to raise our GDP value eventually besides giving us more comfortable even convenience above 10 times to catch up the USA developed level. Let us do best endeavour to raise our mission for improving GDP value under cooperation and collaboration spiritual courage within R &D dept and laboratory scope that is to become our diligent destination as to so many scientist and scholars. The better way to be successful is still made by ourselves in different occupations that may create huge power to push the high-technique forwards sustainably whilst the achievement can

be published in a journal with fluently English narration once we had any spiritual inspirations. [1~30]

## 2. Discussions

The GDP will affect our country level and quality that may change our life style because the high-technique product enters our daily life every a minute. We should appreciate the engineers and experts to take out new technology for us to share due to combining many high-techniques software skill to make the complete product more advancement and industrialization that destroy the traditional economy eventually. The renewable energy like photovoltaic generator, wind turbine one, nuclear generator, hydrogen fuel etc. new source one will be made by us continually to exhibit in front of public. On the other hand, the heat supplier will be regulated by one house in a building with increasing and decreasing switch by electric releasing role. In the developed country it is essential function, so if you go out to let the heat decrease and when you turn to make it to increase for room temperature maintaining a normal situation in winter. Thereby, the electric consumption will retain in a high level and capacity. The new electric generator may be used from the nature renewable source with green and low carbon fuel atmosphere like photo, wind, nuclear pile & hydraulic one.

### 2.1 The Jiangsu & London city GDP analysis

The Jiangsu & London city GDP analysis might exhibit 534 & 465 billion dollars by Jiangsu & London city correspondingly in 2009 according to Figure 1 to show Jiangsu province higher economic momentum. The y-y value might indicate 40% & 5% by them accordingly to explain the former Jiangsu upwards developed pace then. In contrast, the London city retained 276 billion dollars in 1995 to show forwards economic momentum then.

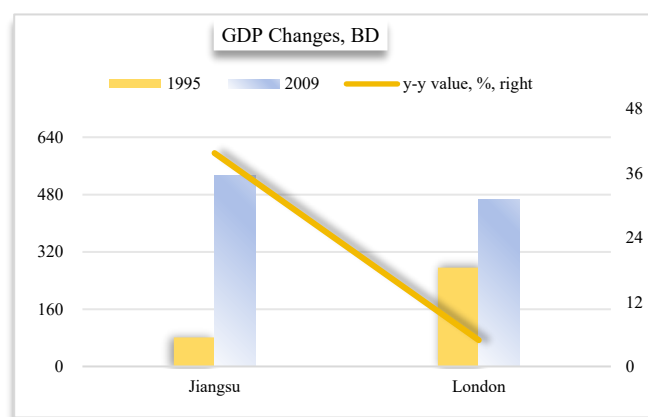


Figure 1 The Jiangsu & London province GDP analysis. [1]

Furthermore, the New York & Guangdong province GDP analysis might exhibit 737 & 523 billion dollars by New York state correspondingly in 2009 according to Figure 2 to show Jiangsu province higher economic momentum. The y-y value might indicate 7% & 39% by them accordingly to

explain the Guangdong province most upwards developed pace then.

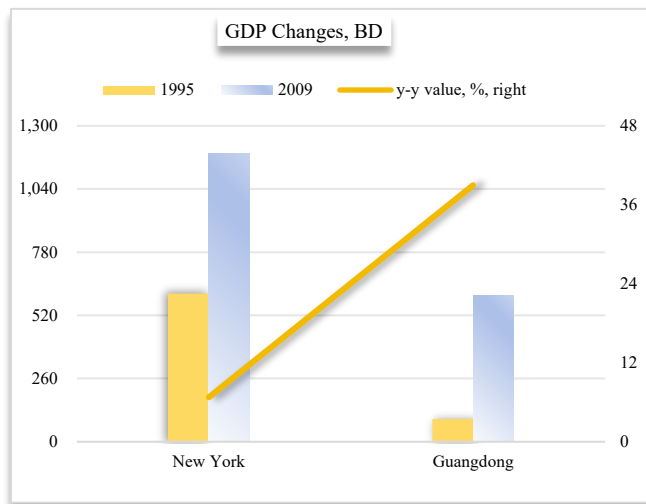


Figure 2 The New York & Guangdong province GDP analysis. [1]

Moreover, the Florida & Shandong province GDP analysis might exhibit 740 & 446 billion dollars correspondingly in 2009 according to Figure 3 to show Florida higher economic momentum than Shandong province with 1.6 times variation among them. The y-y value might indicate 7% & 33% by them accordingly to explain the Shandong province most upwards developed pace then than Florida state then.

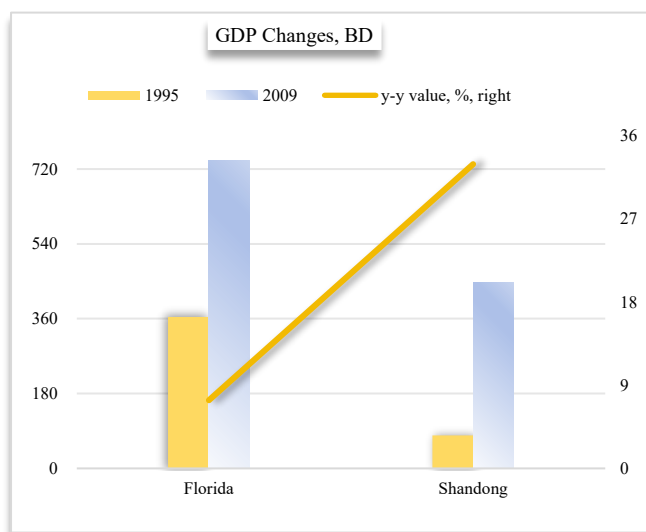


Figure 3 The Florida & Shandong province GDP analysis. [1]

## 2.2 2005 China cities GDP variations

The 2005 China cities GDP variations might show 44.7~113 billion dollars by Hangzhou~Beijing ones correspondingly according to Figure 4 to explain the latter Beijing city forwards economic momentum. Meantime, the Guangzhou & Shenzhen following Beijing to become the second & third occupation with 80~77 billion dollars accordingly then.

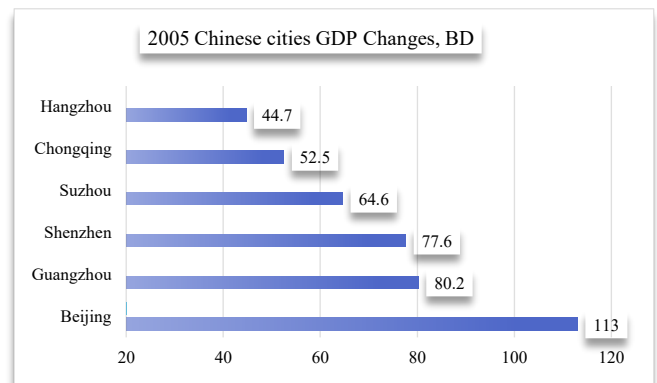


Figure 4 The 2005 China cities GDP variations. [2]

## 2.3 The global IT exportation variations

The global IT exportation variations in 1972~1973 might exhibit 24~1.2 million dollars by Sweden~South Africa correspondingly in 1973 according to the Figure 5 to explain the former Sweden upward information technology momentum. Meantime, the Israel maintained 63% y-y value with the most forwards developed pace then.

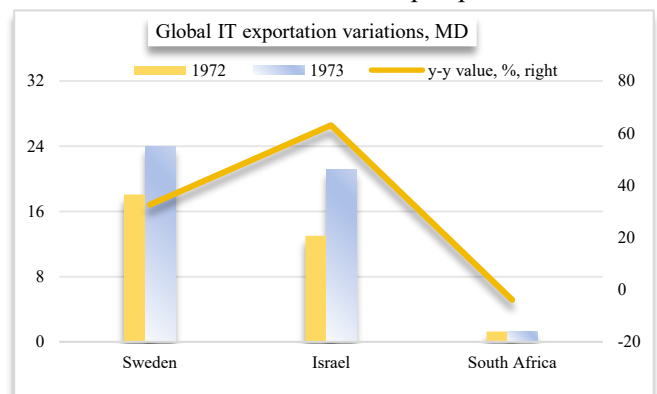


Figure 5 The global IT exportation variations in 1972~1973. [3]

On the other side, the global IT exportation variations in 1979~1980 might exhibit 4~2 million dollars by Barbados~Tunis correspondingly in 1980 according to the Figure 6 to explain the former Barbados upward information technology momentum. Meanwhile, the Algeria remained -22% y-y value with the most backwards minus developed pace then.

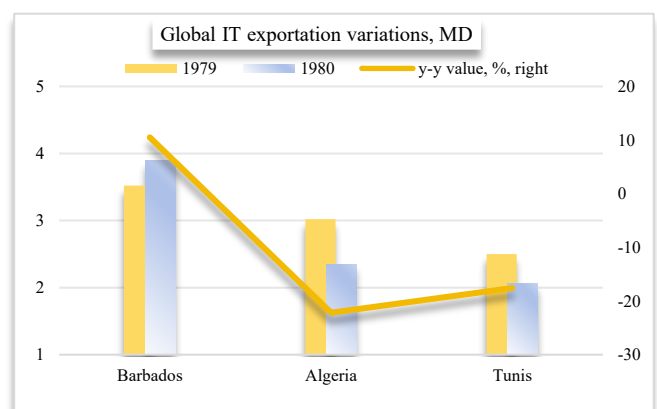


Figure 6 The global IT exportation variations in 1979~1980. [3]

In summary, the reasonable population who had a good education in school and university will create the high-technique upward dynamic in later company life for creating research and development capacity continually. We should carefully cultivate their education with experiment and theoretical deduction to solve some easy and middle difficult mathematical modeling and simulation defined a certain condition by some parameters that may be regulated variation ones to gain the a series of achievement with regards to the each aspect matter. We also should educate the graduate to write the thesis papers with bachelor, master & PhD degree that may be a best proof to process the simulation and subsidiary experiment if possible. Then he may widen the views that may bring out the new vision to write the innovation papers sustainably. From the infrastructure to the high-tech field the new simulation will become an eternal original source, thereby, we must pay more attention to its education route special in graduate thesis, maybe after some years the achievement derived from it will be created with initial innovation eyes.

### 3. Conclusions

As we knew the GDP can wield its usefulness on evaluating economy status in one region within one period that may explain the goodness & badness there for us to know the accurate value variation in detail. So for the sake of knowing its meaning we should consider all the aspects to exhibit the intrinsic relationships make us to know the detail joints affect our value and following life convenient conditions like the incoming, expenditure & reserved money in the views of the capital route. Therefore, the high GDP value means the high expenditure like purchasing daily & consumptive goods, experiencing health appliance & drug, buying cars etc. all kinds of expending occasions. Hence, the high society request needs more money with regards to increasing that value that may enhance our level and quality than those lower ones in advance. The more high-tech like AI (artificial intelligence) product includes smart robot, smart flow-line assembly & payment machine with multi-diversities like the third payment. So that the more sophisticated diversities will become more prevalent than ever that requests our engineer and experts to process more possible routes for our more convenience and comfort behavior and paying capital timely and accurately than past. Moreover the higher demand will make our enterprise to proceed more advancement occasions sustainably that may bring out innovation technique and products in future eventually. Through detailing investigation our experts should master the market tendency and corresponding new measures in order to increase our innovative products capacity and push into the relevant market always and continuously. With using those trial occasions all of us can experience its new function and agree to that one

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### Ethic Declarations

The authors declared that there were not conflicts of interest.

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### References

1. New York & Guangdong province GDP changes, Jun 11, 2026
2. 2005 China cities GDP variations, Jun 13, 2026
3. The global IT exportation variations, Jun 13, 2026
4. 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
5. 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
6. 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
7. 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
8. 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
  9. 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
  10. 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
  11. Run Xu, An Innovation Searching for Prospering Economy GDP Enhancement with Osaka & Shanghai and Hong Kong Cities & Shandong and Fujian Provinces on Scientists' Analyzing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 303~307 Impact factor 4.33
  12. 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' Analyzing Behavior and Judgement by Sustainability, UKR Journal of Economics, Business and Management, Volume 1, Issue 10, 2025, 308~313 Impact factor 4.33
  13. 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
  14. 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
  15. 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
  16. 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
  17. 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
  18. Run Xu, The Relationship of Properties with Variable Mass of Block on Crank Linkage Mechanism in Multibody System, (American) SunText Review of Material Science, 2021,S1: 105 Crossref, Goolge scholar, Scilit
  19. Run Xu, Boyong Hur, A Simulation between Torque and Angle with Speed on Five Freedoms of Robot Mechanical Arm in Multibody Systems, Saudi Journal of Civil Engineering, 2021, 5(5): 91~93 Impact factor 1.2
  20. Run Xu, Boyong Hur, The Relationship between Force and Time with Lagrange Equation by Regulating Piston Mass on Crankshaft of Vehicle, Saudi Journal of Engineering and Technology, 2021,6(4): 73-76 Impact factor 1.2
  21. Run Xu, Jianguang Liu, The Kinematics Model Establishment of Crank and Linkage with Time under Low Speed in Vehicle, 2021,6(4):67~72, Saudi Journal of Engineering and Technology, 2021,6(4): 57~61, DOI: 10.36348/sjet,2021,v06i04,004 Impact factor 1.2

22. Run Xu, The Kinematic Models of Crank with Angle and Time in Motor Housing Process, (American) SunText Review of Material Science, 2021, S1: 104, DOI: <https://doi.org/10.51737/2766-5100,2021,S1,004> Impact factor 2.6, Scilit, Crossref, Google Scholar
23. Run Xu, The Modelling between Force & Torque and Crank Angle on Crank Linkage of Engine in Vehicle by Lagrange Formula I, Scholars International Journal of Chemistry and Material Sciences, 2021, 4(4): 36-39, DOI: 10.36348/sijcms,2021,4(4),005
24. 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**
25. 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
26. 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
27. Run Xu, Changfu Jin, Xianglan Piao, Yonggen Wu, Jing Yu, Jianguang 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
28. 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
29. Run Xu, Changfu Jin, Xianglan Piao, Wanhao Wu, Jianguang Liu, Meihua Piao, Xiangyu Piao, Changfan Li, An Innovation Study for Retrieving Nations Consumption per capita & Nations General Birth Rate Variations & Top International Airport Changes Sustainably, UKR Journal of Multidisciplinary Studies, 2(6), 2026, 195~200, DOI: <https://doi.org/10.5281/zenodo.20712750> Impact factor: 4.2
30. Run Xu, Changfu Jin, Jianguang Liu, An Innovation Study for Retrieving Jiangsu and Western Asia Countries GDP Variations & Asian Countries GDP Analysis & Five Permanent Female Anticipating Life One with Sustainability, UKR Journal of Multidisciplinary Studies, 2(6), 2026, 201~206, DOI: <https://doi.org/10.5281/zenodo.20713050> Impact factor: 4.2
31. Run Xu, Yonggen Wu, Guanghui Yu, Junfeng Wen, Jianguang Liu, Tianyi Yan, Meihua Piao, An Innovation Study for Thriving Nations Consumption per capita & Stocks Changes & Quantization Definition & Introduction to Archives of Engineering and Technology with Sustainability, UKR Journal of Multidisciplinary Studies, 2(6), 2026, 207~212, DOI: <https://doi.org/10.5281/zenodo.20713216> Impact factor: 4.2