

Emmanuel Joel Aikins Abakah

Lecturer · Economics Studies

University of Cape Coast

ORCID [0000-0003-1472-0722](https://orcid.org/0000-0003-1472-0722) · UGBS Profile ugbs.ug.edu.gh/faculty/emmanuel-joel-aikins-abakah · Google Scholar scholar.google.com/citations?hl=en&user=ObaKC5wAAAAJ&view_op=list_works&sortby=pubdate · Profile scholar.ucc.edu.gh/staff/625411d0-fe1e-4246-a67d-1405b470752d

RESEARCH

Interests Empirical Finance · Financial Markets · Corporate Finance · Applied Finance

Areas Economics and Econometrics · Finance · Information Systems · Accounting · General Economics, Econometrics and Finance · Renewable Energy, Sustainability and the Environment

RESEARCH SUMMARY

142	4,854	35	90	9.58	73%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 142 publications listed below, 2017–2026. Field-weighted impact is the mean over the 142 works scored for it; 1.00 is the world average for works of the same field, type and year. 104 of the 142 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

POSTDOCTORAL FELLOWSHIP	2025–present
School of Construction Economics & Management, University of the Witwatersrand, Johannesburg, South Africa	
Senior Lecturer in Finance	2021–present
Finance, University of Ghana Business School, Accra, Ghana	
Lecturer in Finance	2021–2022
Applied Economics, University of Cape Coast, Cape Coast, Ghana	
Casual Teaching Staff	2017–2020
Finance and Banking, The University of Adelaide, Adelaide, Australia	
Snr Quantitative Financial Analyst	2015–2016
Research, Groupe Nduom - Ghana, Accra, Ghana	

EDUCATION AND QUALIFICATIONS

PhD Finance	2016–2020
Banking and Finance, The University of Adelaide, Adelaide, Australia	
MPhil Finance	2012–2014
Finance, University of Ghana, Legon, Ghana	
B. Sc. Statistics	2006–2010
Mathematics and Statistics, University of Cape Coast, Cape Coast, Ghana	

PUBLICATIONS

Journal articles 138

1. Md.Habibur Rahman Fuszder, Mohammad Abdullah, Zunaidah Sulong, Emmanuel Joel Aikins Abakah (2026). Cybersecurity risk and bank competition. *Journal of International Financial Markets Institutions and Money*. <https://doi.org/10.1016/j.intfin.2026.102313>
2. Ahmed Bouteska, Murad Harasheh (2026). Decoding the crypto crowd: how social media sentiment predicts Ethereum's price. *Journal of Asset Management*. <https://doi.org/10.1057/s41260-025-00438-8>
3. Md. Habibur Rahman Fuszder, Zunaidah Sulong, Mohammad Abdullah, Emmanuel Joel Aikins Abakah (2026). Does cybersecurity risk affect bank liquidity creation? *Finance research letters*. <https://doi.org/10.1016/j.frl.2026.110140>
4. Aviral Kumar Tiwari, Mehrad Asadi, Mohammad Abdullah, Emmanuel Joel Aikins Abakah, Rubaiyat Ahsan Bhuiyan (2026). Sports tokens and sports equities: A downside tail risk analysis with portfolio implications. *Financial Innovation*. <https://doi.org/10.1186/s40854-025-00885-7>
5. Ahmed Bouteska, Murad Harasheh, Nezha Hamoutan, May H. Hammad (2025). Can board refreshment mitigate managerial power: New evidence from the MENA region. *Pacific-Basin Finance Journal*. <https://doi.org/10.1016/j.pacfin.2025.102710>
6. Nader Trabelsi, Emmanuel Joel Aikins Abakah, Miklesh Prasad Yadav, Aviral Kumar Tiwari (2025). Causal dynamics among fintech, communication and digital payments firms. *Electronic Commerce Research*. <https://doi.org/10.1007/s10660-025-10002-6>
7. Zunaidah Sulong, Md. Habibur Rahman Fuszder, Mohammad Abdullah, Emmanuel Joel Aikins Abakah (2025). Cybersecurity risk and bank risk-taking. *Journal of Behavioral and Experimental Finance*. <https://doi.org/10.1016/j.jbef.2025.101080>
8. Mohammad Abdullah, David Adeabah, Chi-Chuan Lee, Emmanuel Joel Aikins Abakah, Rubaiyat Ahsan Bhuiyan (2025). Does climate risk drive digital asset returns? *Physica A Statistical Mechanics and its Applications*. <https://doi.org/10.1016/j.physa.2025.130530>
9. Boakye Dankwah, Emmanuel Joel Aikins Abakah, Elikplimi Komla Agbloyor, Chi-Chuan Lee (2025). Dynamic connections between Africa's emerging equity markets and global financial assets. *Emerging Markets Review*. <https://doi.org/10.1016/j.ememar.2025.101337>
10. Mohammad Ashraful Ferdous Chowdhury, Mohammad Abdullah, Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari (2025). Geopolitical risk and energy market tail risk forecasting: An explainable machine learning approach. *Journal of commodity markets*. <https://doi.org/10.1016/j.jcomm.2025.100478>
11. Emmanuel Joel Aikins Abakah, Mohammad Abdullah, Omokolade Akinsomi, Aviral Kumar Tiwari (2025). Geopolitical risk and real estate stock crash. *Finance research letters*. <https://doi.org/10.1016/j.frl.2025.107333>
12. Omokolade Akinsomi, Emmanuel Joel Aikins Abakah, Chi-Chuan Lee (2025). Impact of global risk aversion on real estate market returns. *Finance research letters*. <https://doi.org/10.1016/j.frl.2025.109177>
13. Emmanuel Joel Aikins Abakah, Raphael Odoom, Mohammad Abdullah, Chi-Chuan Lee, Mohd Ziaur Rehman (2025). Marketing tokens and marketing stocks: Tail risk connections with portfolio implications. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2025.102784>
14. Aviral Kumar Tiwari, Mohammad Abdullah, Provash Kumer Sarker, Emmanuel Joel Aikins Abakah (2025). Real-world asset tokens and commodities: static and dynamic linkages. *China Accounting and Finance Review*. <https://doi.org/10.1108/cafr-05-2024-0054>
15. Mohammad Abdullah, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Chi-Chuan Lee (2025). Tail risk connectedness between tokenized and traditional derivatives: Time-frequency analysis and portfolio insights. *Investment Analysts Journal*. <https://doi.org/10.1080/10293523.2025.2526267>
16. James Atambilla Abugre, Joshua Yindenaba Abor, Joseph G. Nellis, Emmanuel Aikins Abakah (2025). The Effects of Monetary Policy and Financial Technology on Inflation: Evidence From Emerging and Developing Countries. *Journal of Accounting and Finance*. <https://doi.org/10.33423/jaf.v25i1.7550>

17. Emmanuel Joel Aikins Abakah, Mohammad Abdullah, Aviral Kumar Tiwari, G M Wali Ullah (2024). Asymmetric dynamics between geopolitical conflict sentiment and cryptomarkets. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2024.102273>
18. Emmanuel Joel Aikins Abakah, Mohammad Abdullah, Boakye Dankwah, Chi-Chuan Lee (2024). Asymmetric dynamics between the Baltic Dry Index and financial markets during major global economic events. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2024.102126>
19. Emmanuel Joel Aikins Abakah, David Xuefeng Shao, Aviral Kumar Tiwari, Chien-Chiang Lee (2024). Asymmetric relationship between carbon market and energy markets. *Energy*. <https://doi.org/10.1016/j.energy.2024.133656>
20. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Buhari Doğan, Oluwasegun B. Adekoya, Mark Wohar (2024). Asymmetric spillover effects in energy markets. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.02.001>
21. Buhari Doğan, Sami Ben Jabeur, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah (2024). Asymmetry in returns and volatility between green financial assets, sustainable investments, clean energy, and international stock markets. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2024.102626>
22. Ahmed Bouteska, Taimur Sharif, Petr Hajek, Mohammad Zoynul Abedin (2024). Aversion and ambiguity: On the robustness of the macroeconomic uncertainty measure framework. *Technological Forecasting and Social Change*. <https://doi.org/10.1016/j.techfore.2024.123340>
23. Emmanuel Joel Aikins Abakah, Nader Trabelsi, Aviral Kumar Tiwari, Samia Nasreen (2024). Bitcoin, Fintech stocks and Asian Pacific equity markets: a dependence analysis with implications for portfolio management. *The Journal of Risk Finance*. <https://doi.org/10.1108/jrf-04-2024-0095>
24. Luis A. Gil-Alana, Emmanuel Joel Aikins Abakah, Nieves Carmona-González, Aviral Kumar Tiwari (2024). Consumer sentiments across G7 and BRICS economies: Are they related? *Journal of Economics and Finance*. <https://doi.org/10.1007/s12197-023-09657-4>
25. Ahmed Bouteska, Le Thanh Ha, Faruk Bhuiyan, Taimur Sharif, Mohammad Zoynul Abedin (2024). Contagion between investor sentiment and green bonds in China during the global uncertainties. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.03.045>
26. Aviral Kumar Tiwari, Satish Kumar, Emmanuel Joel Aikins Abakah (2024). Correlation and price spillover effects among green assets. *Annals of Operations Research*. <https://doi.org/10.1007/s10479-024-06154-7>
27. Emmanuel Joel Aikins Abakah, G M Wali Ullah, Mohammad Abdullah, Chi-Chuan Lee, Zunaidah Sulong (2024). Correlation structure between fiat currencies and blockchain assets. *Finance research letters*. <https://doi.org/10.1016/j.frl.2024.105114>
28. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Nader Trabelsi, Mark Wohar (2024). Do shipping freight markets impact commodity markets? *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.01.066>
29. Le Thanh Ha, Ahmed Bouteska, Murad Harasheh (2024). Dynamic connectedness between FinTech and energy markets: Evidence from fat tails, serial dependence, and Bayesian approach. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.04.034>
30. Le Thanh Ha, Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2024). Dynamic interlinkages between carbon risk and volatility of green and renewable energy: A TVP-VAR analysis. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2024.102278>
31. Emmanuel Joel Aikins Abakah, Mohammad Ashraful Ferdous Chowdhury, Mohammad Abdullah, Shawkat Hammoudeh (2024). Energy tokens and green energy markets under crisis periods: A quantile downside tail risk dependence analysis. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.103636>
32. Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2024). Executive compensation, risk and performance: evidence from the USA. *Corporate Governance*. <https://doi.org/10.1108/cg-01-2023-0017>
33. Emmanuel Joel Aikins Abakah, Mariem Brahim, Jean-Etienne Carlotti, Aviral Kumar Tiwari, Walid Mensi

(2024). Extreme downside risk connectedness and portfolio hedging among the G10 currencies. *International Economics*. <https://doi.org/10.1016/j.inteco.2024.100503>

34. Mohammad Abdullah, Aviral Kumar Tiwari, Mohammad Razib Hossain, Emmanuel Joel Aikins Abakah (2024). Geopolitical risk and firm-level environmental, social and governance (ESG) performance. *Journal of Environmental Management*. <https://doi.org/10.1016/j.jenvman.2024.121245>
35. Ahmed Bouteska, Taimur Sharif, Faruk Bhuiyan, Mohammad Zoynul Abedin (2024). Impacts of the changing climate on agricultural productivity and food security: Evidence from Ethiopia. *Journal of Cleaner Production*. <https://doi.org/10.1016/j.jclepro.2024.141793>
36. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Richard Adjei Dwumfour, Chi-Chuan Lee (2024). Markov-switching multifractal volatility spillovers among European stock markets during crisis periods. *Applied Economics*. <https://doi.org/10.1080/00036846.2024.2324846>
37. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Mohammad Abdullah, Qiang Ji, Zunaidah Sulong (2024). Monetary policy uncertainty and ESG performance across energy firms. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2024.107699>
38. Dan Owusu Amponsah, Mohammad Abdullah, Emmanuel Joel Aikins Abakah, Joshua Yindenaba Abor, Chi-Chuan Lee (2024). Multiscale tail risk integration between safe-haven assets and Africa's emerging equity market. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2024.102294>
39. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Nana Kwasi Karikari, Elikplimi Komla Agbloyor, Chi-Chuan Lee (2024). Quantile correlation between fintech stocks and crypto-assets. *Applied Economics*. <https://doi.org/10.1080/00036846.2024.2423898>
40. Zaghun Umar, Sinda Hadhri, Emmanuel Joel Aikins Abakah, Muhammad Usman, Muhammad Umar (2024). Return and volatility spillovers among oil price shocks and international green bond markets. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2024.102254>
41. Emmanuel Asafo-Adjei, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Chi-Chuan Lee (2024). Risk synchronization in Australia stock market: A sector analysis. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2024.03.042>
42. Mohammad Abdullah, Provash Kumer Sarker, Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Mohd Ziaur Rehman (2024). Tail risk intersection between tech-tokens and tech-stocks. *Global Finance Journal*. <https://doi.org/10.1016/j.gfj.2024.100989>
43. Ahmed Bouteska, M. Kabir Hassan, Zeynullah Gider, Hassan Bataineh (2024). The role of investor sentiment and market belief in forecasting V-shaped disposition effect: Evidence from a Bayesian learning process with DSSW model. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2024.102084>
44. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Mohammad Abdullah, David Adeabah, Vinita S. Sahay (2024). Time-varying relationship between international monetary policy and energy markets. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2024.107339>
45. Murad Harasheh, Ahmed Bouteska (2024). Volatility estimation through stochastic processes: Evidence from cryptocurrencies. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2024.102320>
46. Emmanuel Joel Aikins Abakah, John W. Goodell, Zunaidah Sulong, Mohammad Abdullah (2024). Wavelet quantile correlation between DeFi assets and banking stocks. *Finance research letters*. <https://doi.org/10.1016/j.frl.2024.106272>
47. Ahmed Bouteska, Anupam Das Gupta, Beverley Boden, Mohammad Zoynul Abedin (2024). Who affects CEO compensation? Firm performance, ownership structure, and board diversity. *The Journal of High Technology Management Research*. <https://doi.org/10.1016/j.hitech.2024.100501>
48. Aarzo Sharma, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Freeman Brobbey Owusu (2023). A cross-quantile correlation and causality-in-quantile analysis on the relationship between green investments and energy commodities during the COVID-19 pandemic period. *Studies in Economics and Finance*. <https://doi.org/10.1108/sef-02-2023-0070>

49. Aviral Kumar Tiwari, Adeolu O. Adewuyi, Musefiu Adebawale Adeleke, Emmanuel Joel Aikins Abakah (2023). A time-varying Granger causality analysis between water stock and green stocks using novel approaches. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2023.107010>
50. Aviral Kumar Tiwari, Nader Trabelsi, Emmanuel Joel Aikins Abakah, Samia Nasreen, Chien-Chiang Lee (2023). An empirical analysis of the dynamic relationship between clean and dirty energy markets. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2023.106766>
51. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Johnson Ayobami Oliyide, Kingsley Opoku Appiah (2023). Analyzing the static and dynamic dependence among green investments, carbon markets, financial markets and commodity markets. *International Journal of Managerial Finance*. <https://doi.org/10.1108/ijmf-09-2021-0428>
52. Aviral Kumar Tiwari, Nader Trabelsi, Emmanuel Joel Aikins Abakah, Chi-Chuan Lee (2023). Analyzing time-varying tail dependence between leveraged loan and debt markets in the U.S. economy. *International Review of Finance*. <https://doi.org/10.1111/irfi.12441>
53. Ahmed Bouteska, Murad Harasheh (2023). Bitcoin volatility and the introduction of bitcoin futures: A portfolio construction approach. *Finance research letters*. <https://doi.org/10.1016/j.frl.2023.104200>
54. Emmanuel Joel Aikins Abakah, GM Wali Ullah, Oluwasegun B. Adekoya, Christiana Osei Bonsu, Mohammad Abdullah (2023). Blockchain market and eco-friendly financial assets: Dynamic price correlation, connectedness and spillovers with portfolio implications. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2023.04.028>
55. Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2023). COVID-19 and stock returns: Evidence from the Markov switching dependence approach. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2023.101882>
56. Ahmed Bouteska, Mohammad Zoynul Abedin, Petr Hajek, Kunpeng Yuan (2023). Cryptocurrency price forecasting – A comparative analysis of ensemble learning and deep learning methods. *International Review of Financial Analysis*. <https://doi.org/10.1016/j.irfa.2023.103055>
57. Ahmed Bouteska, Marco Lavazza Seranto, Petr Hajek, Mohammad Zoynul Abedin (2023). Data-driven decadal climate forecasting using Wasserstein time-series generative adversarial networks. *Annals of Operations Research*. <https://doi.org/10.1007/s10479-023-05722-7>
58. Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2023). Does investor sentiment create value for asset pricing? An empirical investigation of the KOSPI -listed firms. *International Journal of Finance & Economics*. <https://doi.org/10.1002/ijfe.2836>
59. Aviral Kumar Tiwari, Sangram Keshari Jena, Emmanuel Joel Aikins Abakah, Seong-Min Yoon (2023). Does the dynamics between government bond and equity markets validate the adaptive market hypothesis? evidence from transfer entropy. *Applied Economics*. <https://doi.org/10.1080/00036846.2023.2166896>
60. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Sudeshna Ghosh, Buhari Doğan (2023). Dynamic effect of Bitcoin, fintech and artificial intelligence stocks on eco-friendly assets, Islamic stocks and conventional financial markets: Another look using quantile-based approaches. *Technological Forecasting and Social Change*. <https://doi.org/10.1016/j.techfore.2023.122566>
61. Adeolu O. Adewuyi, Musefiu A. Adeleke, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah (2023). Dynamic linkages between shipping and commodity markets: Evidence from a novel asymmetric time-frequency method. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2023.103638>
62. Emmanuel Joel Aikins Abakah, Mohammad Abdullah, Imran Yousaf, Aviral Kumar Tiwari, Yanshuang Li (2023). Economic sanctions sentiment and global stock markets. *Journal of International Financial Markets Institutions and Money*. <https://doi.org/10.1016/j.intfin.2023.101910>
63. Emmanuel Joel Aikins Abakah, David Adeabah, Aviral Kumar Tiwari, Mohammad Abdullah (2023). Effect of Russia–Ukraine war sentiment on blockchain and FinTech stocks. *International Review of Financial Analysis*. <https://doi.org/10.1016/j.irfa.2023.102948>
64. Mohammad Abdullah, David Adeabah, Emmanuel Joel Aikins Abakah, Chi-Chuan Lee (2023). Extreme return and volatility connectedness among real estate tokens, REITs, and other assets: The role of global factors and portfolio implications. *Finance research letters*. <https://doi.org/10.1016/j.frl.2023.104062>

65. Oluwasegun B. Adekoya, Emmanuel J.A. Abakah, Johnson A. Oliyide, Gil-Alana Luis A (2023). Factors behind the performance of green bond markets. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2023.06.015>
66. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Xuefeng Shao, TN-Lan Le, Matthew Ntow Gyamfi (2023). Financial technology stocks, green financial assets, and energy markets: A quantile causality and dependence analysis. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2022.106498>
67. Le Thanh Ha, Ahmed Bouteska, Salma Mefteh-Wali, Pham The Anh (2023). Fluctuations in gold prices in Vietnam during the COVID-19 pandemic: Insights from a time-varying parameter autoregression model. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2023.104229>
68. Mehdi Mili, Ahmed Bouteska (2023). Forecasting nonlinear dependency between cryptocurrencies and foreign exchange markets using dynamic copula: evidence from GAS models. *The Journal of Risk Finance*. <https://doi.org/10.1108/jrf-04-2022-0074>
69. Emmanuel Joel Aikins Abakah, Sahib Hossain, Mohammad Abdullah, John W. Goodell (2023). Global uncertainty factors and price connectedness between US electricity and blockchain markets: Findings from an R-square connectedness approach. *Finance research letters*. <https://doi.org/10.1016/j.frl.2023.104693>
70. Shawkat Hammoudeh, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, David Adeabah (2023). Global value chains in sub-Saharan Africa: The role of business regulations, policies and institutions. *Emerging Markets Review*. <https://doi.org/10.1016/j.ememar.2023.101072>
71. David Adeabah, Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Shawkat Hammoudeh (2023). How far have we come and where should we go after 30+ years of research on Africa's emerging financial markets? A systematic review and a bibliometric network analysis. *Emerging Markets Review*. <https://doi.org/10.1016/j.ememar.2023.101030>
72. Murad Harasheh, Ahmed Bouteska, Riadh Manita (2023). Investors' preferences for sustainable investments: Evidence from the U.S. using an experimental approach. *Economics Letters*. <https://doi.org/10.1016/j.econlet.2023.111428>
73. Ahmed Bouteska, Giovanni Cardillo, Murad Harasheh (2023). Is it all about noise? Investor sentiment and risk nexus: evidence from China. *Finance research letters*. <https://doi.org/10.1016/j.frl.2023.104197>
74. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Salma Mefteh-Wali, Patrick Owusu (2023). Measuring price efficiency in petroleum markets: New insights using various long-range dependence techniques. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2023.103430>
75. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Imhotep Paul Alagidede, Shawkat Hammoudeh (2023). Nonlinearity in the causality and systemic risk spillover between the OPEC oil and GCC equity markets: a pre- and post-financial crisis analysis. *Empirical Economics*. <https://doi.org/10.1007/s00181-023-02366-1>
76. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Mohd Ziaur Rehman, Chi-Chuan Lee (2023). Quantile dependence of Bitcoin with clean and renewable energy stocks: new global evidence. *Applied Economics*. <https://doi.org/10.1080/00036846.2023.2167921>
77. Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin, Jihene Ghouli-Oueslati (2023). Relocating investments by Tunisian insurance and pension funds towards alternative assets opportunities. *Journal of Policy Modeling*. <https://doi.org/10.1016/j.jpolmod.2023.03.006>
78. Ahmed Bouteska, Murad Harasheh, Mohammad Zoynul Abedin (2023). Revisiting overconfidence in investment decision-making: Further evidence from the U.S. market. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2023.102028>
79. Zunaidah Sulong, Mohammad Abdullah, Emmanuel Joel Aikins Abakah, David Adeabah, Simplice Asongu (2023). Russia-Ukraine war and G7 debt markets: Evidence from public sentiment towards economic sanctions during the conflict. *International Journal of Finance & Economics*. <https://doi.org/10.1002/ijfe.2887>
80. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Buhari Doğan, Sudeshna Ghosh (2023). Sustainable debt and gas markets: A new look using the time-varying wavelet-windowed cross-correlation approach.

Energy Economics. <https://doi.org/10.1016/j.eneco.2023.106606>

81. Mohammad Abdullah, Emmanuel Joel Aikins Abakah, G M Wali Ullah, Aviral Kumar Tiwari, Isma Khan (2023). Tail risk contagion across electricity markets in crisis periods. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2023.107100>
82. Sudeshna Ghosh, Aviral Kumar Tiwari, Buhari Doğan, Emmanuel Joel Aikins Abakah (2023). The Dynamic Relationship Between Gas and Crude Oil Markets and the Causal Impact of US Shale Gas. *Computational Economics*. <https://doi.org/10.1007/s10614-023-10415-1>
83. Shengming Chen, Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2023). The Russia–Ukraine war and energy market volatility: A novel application of the volatility ratio in the context of natural gas. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2023.103792>
84. Ahmed Bouteska, M. Kabir Hassan, Mamunur Rashid, Mehmet Hüseyin Bilgin (2023). The dynamics of bonds, commodities and bitcoin based on NARDL approach. *The Quarterly Review of Economics and Finance*. <https://doi.org/10.1016/j.qref.2023.12.013>
85. Emmanuel Joel Aikins Abakah, Guglielmo Maria Caporale, Luis Alberiko Gil-Alana (2023). The impact of containment measures and monetary and fiscal responses on US financial markets during the COVID-19 pandemic. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2023.e15422>
86. TN-Lan Le, John W. Goodell, Rabeh Khalfaoui, Emmanuel Joel Aikins Abakah, Buhari Doğan (2023). The impact of economic outlook on green finance: insights from linkages between green and inflation-indexed bonds. *Environment Development and Sustainability*. <https://doi.org/10.1007/s10668-023-04153-5>
87. Emmanuel Joel Aikins Abakah, Samia Nasreen, Aviral Kumar Tiwari, Chien-Chiang Lee (2023). U.S. leveraged loan and debt markets: Implications for optimal portfolio and hedging. *International Review of Financial Analysis*. <https://doi.org/10.1016/j.irfa.2023.102514>
88. Ahmed Bouteska, Taimur Sharif, Mohammad Zoynul Abedin (2023). Volatility spillovers and other dynamics between cryptocurrencies and the energy and bond markets. *The Quarterly Review of Economics and Finance*. <https://doi.org/10.1016/j.qref.2023.07.008>
89. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Oluwasegun B. Adekoya, Eric Fosu Oteng-Abayie (2022). An analysis of the time-varying causality and dynamic correlation between green bonds and US gas prices. *Technological Forecasting and Social Change*. <https://doi.org/10.1016/j.techfore.2022.122134>
90. Phouphet Kyophilavong, Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari (2022). Cross-spectral coherence and co-movement between WTI oil price and exchange rate of Thai Baht. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2022.103160>
91. Ahmed Bouteska, Mehdi Mili (2022). Does corporate governance affect financial analysts' stock recommendations, target prices accuracy and earnings forecast characteristics? An empirical investigation of US companies. *Empirical Economics*. <https://doi.org/10.1007/s00181-022-02297-3>
92. Ahmed Bouteska, Petr Hajek, Mohammad Zoynul Abedin, Yizhe Dong (2022). Effect of twitter investor engagement on cryptocurrencies during the COVID-19 pandemic. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2022.101850>
93. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Aarzoo Sharma, Dorika Jeremiah Mwamtambulo (2022). Extreme Connectedness between Green Bonds, Government Bonds, Corporate Bonds and Other Asset Classes: Insights for Portfolio Investors. *Journal of risk and financial management*. <https://doi.org/10.3390/jrfm15100477>
94. Ahmed Bouteska, Burak Büyükoğlu, Ibrahim Halil Ekşi (2022). How effective are banking regulations on banking performance and risk? Evidence from selected European countries. *Finance research letters*. <https://doi.org/10.1016/j.frl.2022.103604>
95. Sangram Keshari Jena, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, David Roubaud (2022). Integration between emerging market equity and global markets; is it fundamental or noisy? Evidence from wavelet denoised volatility spillover analysis in time and frequency domain. *Applied Economics*. <https://doi.org/10.1080/00036846.2022.2097183>
96. Khaled Mokni, Ahmed Bouteska, Mohamed Sahbi Nakhli (2022). Investor sentiment and Bitcoin relationship: A quantile-based analysis. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2022.101514>

97. Ahmed Bouteska, Petr Hajek, Ben Fisher, Mohammad Zoynul Abedin (2022). Nonlinearity in forecasting energy commodity prices: Evidence from a focused time-delayed neural network. *Research in International Business and Finance*. <https://doi.org/10.1016/j.ribaf.2022.101863>
98. Ahmed Bouteska, Salma Mefteh-Wali, Trung Dang (2022). Predictive power of investor sentiment for Bitcoin returns: Evidence from COVID-19 pandemic. *Technological Forecasting and Social Change*. <https://doi.org/10.1016/j.techfore.2022.121999>
99. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Chi-Chuan Lee, Matthew Ntow-Gyamfi (2022). Quantile price convergence and spillover effects among Bitcoin, Fintech, and artificial intelligence stocks. *International Review of Finance*. <https://doi.org/10.1111/irfi.12393>
100. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Adeolu O. Adewuyi, Chien-Chiang Lee (2022). Quantile risk spillovers between energy and agricultural commodity markets: Evidence from pre and during COVID-19 outbreak. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2022.106235>
101. Ioannis Chatziantoniou, Emmanuel Joel Aikins Abakah, David Gabauer, Aviral Kumar Tiwari (2022). Quantile time–frequency price connectedness between green bond, green equity, sustainable investments and clean energy markets. *Journal of Cleaner Production*. <https://doi.org/10.1016/j.jclepro.2022.132088>
102. Emmanuel Joel Aikins Abakah, Luis A. Gil-Alana, Trilochan Tripathy (2022). Stochastic structure of metal prices: Evidence from fractional integration non-linearities and breaks. *Resources Policy*. <https://doi.org/10.1016/j.resourpol.2022.102910>
103. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, OlaOluwa Simon Yaya, Kingsley Opoku Appiah (2022). Tail risk dependence, co-movement and predictability between green bond and green stocks. *Applied Economics*. <https://doi.org/10.1080/00036846.2022.2085869>
104. Buhari Doğan, Sudeshna Ghosh, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah (2022). The effect of global volatility, uncertainty and geopolitical risk factors on international tourist arrivals in Asia. *International Journal of Tourism Research*. <https://doi.org/10.1002/jtr.2550>
105. Emmanuel Joel Aikins Abakah, Guglielmo Maria Caporale, Luis Alberiko Gil-Alana (2022). The effects of us covid-19 policy responses on cryptocurrencies, fintech and artificial intelligence stocks: A fractional integration analysis. *Cogent Economics & Finance*. <https://doi.org/10.1080/23322039.2022.2159736>
106. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Emmanuel Kwesi Arthur, Luis Alberiko Gil-Alana (2022). The influence of economic policy uncertainty shocks on art market. *Applied Economics*. <https://doi.org/10.1080/00036846.2022.2114999>
107. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Nana Kwasi Karikari, Luis Alberiko Gil-Alana (2022). The outbreak of COVID-19 and stock market liquidity: Evidence from emerging and developed equity markets. *The North American Journal of Economics and Finance*. <https://doi.org/10.1016/j.najef.2022.101735>
108. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Nana Kwasi Karikari, Shawkat Hammoudeh (2022). Time-varying dependence dynamics between international commodity prices and Australian industry stock returns: a Perspective for portfolio diversification. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2022.105891>
109. Guglielmo Maria Caporale, Luis Alberiko Gil-Alana, Emmanuel Joel Aikins Abakah (2022). US policy responses to the COVID-19 pandemic and sectoral stock indices: A fractional integration approach. *Applied Economics*. <https://doi.org/10.1080/00036846.2022.2086686>
110. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Oluwasegun B. Adekoya, Shawkat Hammoudeh (2022). What do we know about the price spillover between green bonds and Islamic stocks and stock market indices? *Global Finance Journal*. <https://doi.org/10.1016/j.gfj.2022.100794>
111. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Richard Adjei Dwumfour, Salma Mefteh-Wali (2021). Connectedness and directional spillovers in energy sectors: international evidence. *Applied Economics*. <https://doi.org/10.1080/00036846.2021.1998326>
112. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, David Gabauer, Richard Adjei Dwumfour (2021).

Dynamic spillover effects among green bond, renewable energy stocks and carbon markets during COVID-19 pandemic: Implications for hedging and investments strategies. *Global Finance Journal*. <https://doi.org/10.1016/j.gfj.2021.100692>

113. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Luis A. Gil-Alana, Moses Kenneth Abakah (2021). Inflation Co-Movement Dynamics: A Cross-Country Investigation Using a Continuous Wavelet Approach. *Journal of risk and financial management*. <https://doi.org/10.3390/jrfm14120613>
114. Emmanuel Joel Aikins Abakah, Luis A. Gil-Alana, Emmanuel Kwesi Arthur, Aviral Kumar Tiwari (2021). Measuring volatility persistence in leveraged loan markets in the presence of structural breaks. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2021.11.016>
115. Emmanuel Joel Aikins Abakah, Aviral Kumar Tiwari, Imhotep Paul Alagidede, Luis Alberiko Gil-Alana (2021). Re-examination of risk-return dynamics in international equity markets and the role of policy uncertainty, geopolitical risk and VIX: Evidence using Markov-switching copulas. *Finance research letters*. <https://doi.org/10.1016/j.frl.2021.102535>
116. Muhammad Shahbaz, Nader Trabelsi, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Zhilun Jiao (2021). Relationship between green investments, energy markets, and stock markets in the aftermath of the global financial crisis. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2021.105655>
117. Ahmed Bouteska, Mehdi Mili (2021). The Role of Investor Sentiment and Valuation Uncertainty in the Changes around Analyst Recommendations: Evidence from U.S. Firms. *Journal of Behavioral Finance*. <https://doi.org/10.1080/15427560.2021.1948853>
118. Sangram Keshari Jena, Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Shawkat Hammoudeh (2021). The connectedness in the world petroleum futures markets using a Quantile VAR approach. *Journal of commodity markets*. <https://doi.org/10.1016/j.jcomm.2021.100222>
119. Ahmed Bouteska, Salma Mefteh-Wali (2021). The determinants of CEO compensation: new insights from United States. *Journal of Applied Accounting Research*. <https://doi.org/10.1108/jaar-08-2020-0176>
120. Berna Doğan Başar, Ahmed Bouteska, Burak Büyükoğlu, İbrahim Halil Ekşi (2021). The effect of corporate governance on bank performance: evidence from Turkish and some MENA countries banks. *Journal of Asset Management*. <https://doi.org/10.1057/s41260-021-00223-3>
121. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Christiana Osei Bonsu, Nana Kwasi Karikari, Shawkat Hammoudeh (2021). The effects of public sentiments and feelings on stock market behavior: Evidence from Australia. *Journal of Economic Behavior & Organization*. <https://doi.org/10.1016/j.jebo.2021.11.026>
122. Sangram Keshari Jena, Aviral Kumar Tiwari, Ashutosh Dash, Emmanuel Joel Aikins Abakah (2021). Volatility Spillover Dynamics between Large-, Mid-, and Small-Cap Stocks in the Time-Frequency Domain: Implications for Portfolio Management. *Journal of risk and financial management*. <https://doi.org/10.3390/jrfm14110531>
123. Ahmed Bouteska, Mehdi Mili (2021). Women's leadership impact on risks and financial performance in banking: evidence from the Southeast Asian Countries. *Journal of Management & Governance*. <https://doi.org/10.1007/s10997-021-09594-6>
124. Luis Alberiko Gil-Alana, Robert Mudida, Emmanuel Joel Aikins Abakah (2020). Are central bank policy rates in Africa cointegrated? Evidence from a fractional cointegration approach. *Applied Economics*. <https://doi.org/10.1080/00036846.2020.1785619>
125. Ahmed Bouteska (2020). Do Board Characteristics Affect Bank Performance? Evidence from the Eurozone. *Journal of Asset Management*. <https://doi.org/10.1057/s41260-020-00181-2>
126. Bouteska Ahmed (2020). Understanding the impact of investor sentiment on the price formation process: A review of the conduct of American stock markets. *The Journal of Economic Asymmetries*. <https://doi.org/10.1016/j.jeca.2020.e00172>
127. Emmanuel Joel Aikins Abakah, Luis Alberiko Gil-Alana, Godfrey Madigu, Fatima Romero-Rojo (2020). Volatility persistence in cryptocurrency markets under structural breaks. *International Review of Economics & Finance*. <https://doi.org/10.1016/j.iref.2020.06.035>
128. Ahmed Bouteska, Boutheina Regaieg (2019). Earnings forecast revisions and securities prices evolution in the Tunisian stock market. *Review of Behavioral Finance*. <https://doi.org/10.1108/rbf-03-2018-0025>

129. Ahmed Bouteska, Boutheina Regaieg (2019). Psychology and behavioral finance. *EuroMed Journal of Business*. <https://doi.org/10.1108/emjb-08-2018-0052>
130. Ahmed Bouteska (2019). Some evidence from a principal component approach to measure a new investor sentiment index in the Tunisian stock market. *Managerial Finance*. <https://doi.org/10.1108/mf-11-2018-0570>
131. Ahmed Bouteska (2019). The effect of investor sentiment on market reactions to financial earnings restatements: Lessons from the United States. *Journal of Behavioral and Experimental Finance*. <https://doi.org/10.1016/j.jbef.2019.100241>
132. Ahmed Bouteska, Boutheina Regaieg (2018). Investor characteristics and the effect of disposition bias on the Tunisian stock market. *Borsa Istanbul Review*. <https://doi.org/10.1016/j.bir.2018.05.004>
133. Ahmed Bouteska, Boutheina Regaieg (2018). Loss aversion, overconfidence of investors and their impact on market performance evidence from the US stock markets. *Journal of Economics Finance and Administrative Science*. <https://doi.org/10.1108/jefas-07-2017-0081>
134. Emmanuel Joel Aikins Abakah, Paul Alagidede, Lord Mensah, Kwaku Ohene-Asare (2018). Non-linear approach to Random Walk Test in selected African countries. *International Journal of Managerial Finance*. <https://doi.org/10.1108/ijmf-10-2017-0235>
135. Ahmed Bouteska, Boutheina Regaieg (2017). Earnings announcement effect on the Tunisian stock market. *Cogent Business & Management*. <https://doi.org/10.1080/23311975.2017.1413733>
136. Bouteska Ahmed, Regaieg Boutheina (2017). Financial market anomalies: evidence from Tunisia stock market. *Asian Journal of Empirical Research*. <https://doi.org/10.18488/journal.1007/2017.7.9/1007.9.238.250>
137. Ahmed Bouteska, Boutheina Regaieg (2017). The Association between Accounting Earnings, Dividends, Stock Prices and Stock Returns: Value Relevance of Accounting Standards in the Tunisian Stock Market. *International Journal of Accounting and Financial Reporting*. <https://doi.org/10.5296/ijaf.v7i1.10821>
138. Bouteska Ahmed, Regaieg Boutheina (2017). The accuracy of financial analysts' earnings forecasts and the Tunisian market reliance with time. *Cogent Economics & Finance*. <https://doi.org/10.1080/23322039.2017.1345186>

Book chapters 4

1. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah (2026). Risk Contagion Across Top Global Rare Earth Elements Firms. *Economics, law, and institutions in Asia Pacific*. https://doi.org/10.1007/978-981-96-9358-0_10
2. Godfred Amewu, Saint Kuttu, Elikplimi Komla Agbloryor, Emmanuel Joel Aikins Abakah (2024). Assessing the Impact of Socio-Political Risk on Natural Resources in Africa. *Advances in African economic, social and political development*. https://doi.org/10.1007/978-3-031-58124-3_3
3. Aviral Kumar Tiwari, Emmanuel Joel Aikins Abakah, Richard Adjei Dwumfour, Luis Alberiko Gil-Alana (2024). Correlation and Dependence between Oil Prices, Stock Returns, Policy Uncertainty, and Financial Stress During COVID-19 Pandemic: New Evidence from a Multicountry Analysis Using Cross-Quantilogram Method. *WORLD SCIENTIFIC eBooks*. https://doi.org/10.1142/9789811269943_0009
4. Jacob Nunoo, Mohammad Abdullah, David Adeabah, Emmanuel Joel Aikins Abakah, Zunaidah Sulong (2024). Reinvigorating Sustainable Rural Development with Financial Inclusion: A Case of Women's Empowerment. *Sustainable development goals series*. https://doi.org/10.1007/978-981-97-6132-6_11