

Abdullah Mohammad Ghazi Al Khatib
PhD in Banking and Financial Sciences

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Academic Appointments

Lecturer | Department of Banking and Financial Institutions, Faculty of Administrative Sciences, Al-Sham Private University, Damascus, Syrian Arab Republic | September 2025 – Present

Courses Taught:

- 1- Financial Management (Second Year Undergraduate)**
- 2- Accounting for Banking and Financial Institutions (Fourth Year Undergraduate)**
- 3- Credit Management (Fourth Year Undergraduate)**

- **Academic Editor:** *PLOS ONE (Q1), Frontiers in Sustainable Food Systems (Q1), Frontiers in Environmental Science (Q1).*
- **Verified Editor records:** (*Web of Science: 27*)
- **Peer Reviewer:** *Heliyon (Q1), Scientific Reports (D1), Energy Reports (Q1), SAGE Open (D1), Finance Research Letters (D1) and 25+ other journals.*
- **Verified peer reviews:** (*Web of Science: 186*)

Education

- **2024:** *PhD in Banking and Financial Sciences, Faculty of Economics, Damascus University, Syria.*
- **2021:** *MSc in Banking and Finance, Faculty of Economics, Damascus University, Syria.*
- **2016:** *High Education Diploma, Faculty of Education, Damascus University, Syria.*
- **2014:** *BSc in Banking and Insurance, Faculty of Economics, Damascus University, Syria.*

Research Impact

- **Total Citations:** (Google Scholar: 573); (Web of Science: 230; Scopus: 345).
 - **h-index:** (Google Scholar: 13); (Web of Science: 8); (Scopus: 10).
 - **i10-index:** 20 (Google Scholar).
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Publications

(Selected Peer-Reviewed Articles | Total: 50+)

2025

1. Al Khatib, A.M.G. (2025). Multi-model forecasting framework for agricultural nutrient dynamics in India: A comparative analysis of ML and hybrid approaches for NPK consumption. *Cogent Food & Agriculture*. **Q2**.
2. Al Khatib, A.M.G. (2025). Beyond linearity: a critical review of the finance-growth nexus. *COGENT ECONOMICS & FINANCE* .**Q2**
3. Al khatib, A.M.G., et al. (2025). Comparing Forecasting Models for Potato Production: Evaluating T-ARMA, ARIMA-ARCH, Weibull and Score-Driven Approaches in Major Global Producers Potato production. *Potato Research*. **Q1**

2024

4. Al Khatib, A.M.G., Yadav, S., & Mishra, P. (2024). Modeling and forecasting rainfall patterns in India: A time series analysis with XGBoost algorithm. *Environmental Earth Sciences*, 83(6), 163. **Q1**
5. Al Khatib, A.M.G., et al. (2024). Decoding Potato Power: A Global Forecast of Production with Machine Learning. *Potato Research*, 67(4), 1581–1602. **Q1**

2023

6. Al Khatib, A.M.G., et al. (2023). The Interaction Between Financial Development and Economic Growth: A Novel Application of Transfer Entropy and Nonlinear Approach in Algeria. *SAGE Open*, 13(4). **D1**
7. Al Khatib, A.M.G., et al. (2023). Fiscal Sustainability and Economic Growth in Egypt. *SAGE Open*, 13(4). **D1**
8. Al Khatib, A.M.G. (2023). The Complexity of Financial Development and Economic Growth Nexus in Syria. *Heliyon*, 9(10), e20265. **Q1**

2022

9. Al Khatib, A.M.G., et al. (2022). Modeling Milk Production in Turkey. *Indian Journal of Animal Sciences*, 92(1), 105–111. **Q3**

2021

10. Al Khatib, A.M.G., et al. (2021). Time Series SARIMA Modelling of Rainfall in South Asia. *Earth Systems and Environment*, 5(3), 531–546. **D1**

Books/Chapters

11. Al Khatib, et al. (2025). *Transforming Agriculture through Artificial Intelligence for Sustainable Food Systems*. Springer Nature Publisher. (Book)
12. Al Khatib, et al. (2025). *Big Data in Agriculture: Acquisition, Processing and Implications*. Taylor & Francis Publisher (Chapter)
13. Al Khatib & Alshaib, (2025). *Data-Driven Farming: Harnessing Big Data for Agriculture*. Springer Nature Publisher. (Chapter)
14. Al Khatib & Alshaib, (2025). *Smart Irrigation Systems: Optimizing Water Use with AI*. Springer Nature Publisher. (Chapter)
15. Al Khatib, A.M.G. (2023). *Farm Management, Production and Resource Economics*. NIPA Publisher. (Book)

Research Interests

Financial Economics, Econometrics, Time Series Forecasting, Machine Learning, Climate-Economy Nexus, Agricultural Economics.

Workshops/Organizations

- *Certificate of Appreciation , Society of Agricultural Research, Applied Technology and Management, India (2025). Recognized as an International Committee Member for organizing a 7-day training program on research methodology and data analysis using R.*
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Professional Activities

- **International Advisory Committee Member , MAESASS-2023 , Dr. B.R. Ambedkar University, Agra, India (May 2023).**
 - **Contributed to organizing a multidisciplinary international conference focused on engineering, agriculture, and social sciences.**
 - **Collaborated with institutions across India, Saudi Arabia, Turkey, Romania, Nepal, and Malaysia to promote interdisciplinary research.**
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Technical Skills

- **Software:** *R, Python, Stata, EViews, Gretl.*
 - **Methods:** *ARIMA, SARIMA, ANN, XGBoost, Prophet, LightGBM, SVM, RNN, LSTM, VAR ANN, Wavelet Coherence, Transfer Entropy, Panel Data Analysis.*
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Selected Collaborators

- *Dr. Bayan Mohamad Alshaib (Damascus University, Syria)*
- *Dr. Pradeep Mishra (JNKVV, India)*