Mohammad O. M. ALKASEM

(Mohammad Nidal al-Kasem)

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Profile

Ph.D. Researcher in Economics (English programme) at the Institute of Social Sciences, Marmara University. Political economist and quantitative social scientist working on institutions, development, and climate finance, with published work in financial econometrics.

Research Interests

Economic Growth & Sustainability. Long-run growth dynamics and productivity in emerging economies; the relationship between growth trajectories and environmental and social sustainability; green growth and the financing of sustainable development.

Political Economy & Institutional Economics. State capacity, governance quality, and institutional change in fragile and data-poor environments. New Institutional Economics (NIE) framework; measurement of latent institutional constructs using Bayesian methods, remote sensing, and machine learning. Institutional drift monitoring and critical juncture detection.

Climate & Development Finance. Green bonds, environmental finance, and the connectedness of sustainable asset classes with conventional markets. Financial stability implications of the low-carbon transition in emerging economies.

Environmental Economics & Climate Policy. Physical and transition climate risk, adaptation–mitigation interactions, carbon pricing and border adjustment, and the design of climate policy portfolios under fiscal constraints, in the EU and developing economies.

Quantitative Methods. Bayesian latent variable modeling, time-series and financial econometrics, causal inference with quasi-experimental designs, machine learning for social science measurement, and survey methodology for hard-to-reach populations.

Education

Marmara University, Institute of Social Sciences Sep 2026–Present
Ph.D. in Economics (English program)
Admitted first in the foreign-student quota.

Marmara University, Institute of Banking and Insurance Sep 2021–Dec 2023
M.A. Capital Markets · GPA: 4.00 / 4.00 (High Honor)
Thesis: *The Connectedness Among Green Bonds and Other Asset Classes: Evidence from Emerging Markets*
Advisor: Dr. İskender Demirbilek
Selected Coursework: Financial Econometrics, Financial Mathematics, Derivative Markets and Risk Management, Fundamental Analysis & Asset Valuation.
Thesis research published in the *Journal of Research in Economics, Politics and Finance* (2025) — see Publication.

Istanbul University, Istanbul Sep 2015–Jul 2021

B.A. Business Administration · GPA: 3.48 / 4.00 (Honor)

Selected Coursework: Operations Research, Microeconomics, Macroeconomics, Financial Management, Financial Accounting, Statistics.

Publication

Alkasem, M., Demirbilek, İ., Pekmez, E., & Akbalık, M. (2025). The Connectedness among Green Bonds and Other Asset Classes: Evidence from Emerging Markets. *Journal of Research in Economics, Politics and Finance*, *10*(Special Issue), 160–193. doi:10.30784/epfad.1813717.

Working Papers & Research Projects

Pekmez, E., Aydın, Ö., & Alkasem, M. N. "Self-Rule, Shared-Rule, Veto: Disentangling Regional Authority and Legislative Architecture in the Management of Ethno-National Conflict in Spain and Belgium (1977–2018)." Manuscript in preparation for submission to *Regional & Federal Studies*. A mixed-methods comparison showing that legislative outcomes depend on institutional processing architecture rather than the level of decentralisation alone.

Professional Projects

AnalyticScholar.com — Co-founder Mar 2026–Present

A research services venture providing statistical consulting and research-support services: study design, data analysis, results presentation, and publication support for graduate students, researchers, and organisations across five regions.

Professional Experience

Digitalization Specialist & Economic Advisor Mar–Jul 2025

Ministry of Industry and Economy, Syrian Transitional Administration

– Advisory role spanning economic policy and the ministry's digitalization agenda during the post-2024 institutional transition.

Infrastructure Specialist Dec 2024–Mar 2025

PrimeTech Software Development, Istanbul

– Support role in infrastructure assessment during the transition period.

Junior Operations Specialist Aug–Dec 2024

PrimeTech Software Development, Istanbul

– Operations support at an Istanbul-based software development company.

Investment Consultant Dec 2016–Aug 2021

Good Investments for Construction and Real Estate Ltd.

– Investment advisory for construction and real-estate projects.

Languages

Arabic (native) · Turkish (C2) · English (C1, IELTS 7.0) · German (A2)

Software & Methods

R (advanced) · Python (basic) · EViews (intermediate) · Bloomberg Terminal · Power BI · Excel · LaTeX

Econometrics: time-series and financial econometrics, connectedness and spillover analysis (incl. Cross-Quantilogram), Bayesian methods, causal inference with quasi-experimental designs, survey methodology for hard-to-reach populations.

Other: data visualization and presentation, scientific writing and typesetting.

Certifications

Financial Modeling & Valuation Analyst (FMVA) Certificate No. 92193084
Corporate Finance Institute, Vancouver, Canada

Capital Markets Board of Turkey (CMB) — Level 1 Certificate No. 922633
Capital Markets Board of Turkey, Istanbul

Associate Data Scientist in R DataCamp

References

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Prof. Dr. Murat Akbalık · Marmara University
— Professor, Faculty of Financial Sciences, Capital Markets Dept.
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Prof. Dr. Ali Köse · Marmara University
— Professor, Institute of Banking and Insurance; Head, Actuary Dept., Faculty of Financial Sciences
Email: akose@marmara.edu.tr

Prof. Zeynep Dina Çakmur Yıldırtan · Marmara University
— Professor, Institute of Banking and Insurance, Capital Markets Dept.
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