

## CURRICULUM VITAE

December 2023

HAMID MOHTADI

### **CONTACT INFORMATION**

Department of Economics, University of Wisconsin-Milwaukee,  
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### **EDUCATION**

Ph.D., Economics, University of Michigan, Ann Arbor, 1977-1982

MS, Applied Physics, Columbia University, New York, 1974-1976

BS, Physics, Miami University, Oxford, Ohio, 1970-1973

### **EXPERTISE & RESEARCH FOCUS**

international development, climate change, Middle East economies, growth,  
extreme events, public policy, inequality and poverty, institutions

### **APPOINTMENTS**

Columbia University & Barnard College, Visiting Assistant Professor, 1982-83

University of Wisconsin at Milwaukee, Assistant Professor, 1983-87, 89

University of Denver, Visiting Assistant Professor, 1987-88

University of Wisconsin at Milwaukee, Associate Professor, 1990-2003

Warsaw School of Economics, Poland, Guest Professor, 1993

University of Giessen, Germany, Guest, 1996

University of Minnesota, Visiting Professor, 1998-99, 2000-2001

University of Minnesota, Visiting & Adjunct Professor, various dates from  
2001-2022

University of Wisconsin at Milwaukee, Professor, 2003-present

University of Minnesota, Co-Director of Center for Food Industry, 2006-07

US Bank, Vice President for Risk Management (on 2-year leave from  
university), 2008- 2010

Massachusetts Institute of Technology, Visiting Scholar, Spring 2015

International Food Policy Research Institute, Visiting Fellow, Fall 2022-present

World Bank, Senior Consultant, Jan 2023-present

## **PROFESSIONAL SERVICE**

### **National and International Service**

2020-2023: Chair of the Advisory Board, Economic Research Forum (ERF), a research/policy forum on MENA Countries

2003-present: Research Fellow, Economic Research Forum (ERF)

2011-present: Founding Member: International Iranian Economic Association

2017: National Reviewer: DHS Center for Homeland Security Quantitative Analysis (reviewed 20 top universities' applications for initiating DHS funded Centers of Excellence)

2008: Reviewer for Grant: Canadian Social Sciences and Humanities Research Council

Various Dates: External tenure evaluator for different universities

### **Journals' Reviewer**

Proceedings of the National Academy of Sciences, Journal of Economic Growth, Journal of Public Economics, European Journal of Political Economy, Economic Journal, Southern Economic Journal, European Economic Review, International Economic Journal, Oxford Economic Papers, International Tax and Public Finance, Journal of Development Economics, International Journal of Middle East Studies, World Development, Research in Middle East Economics, International Journal of Money and Finance, Jr. of Environmental Economics & Management, Journal of Developing Areas, Journal of Management Information Science, Resource and Energy Economics, Economics and Politics, Energy Economics, Energy Policy, Electronic Markets, Water Policy

**Associate Editor:** International Economic Journal (2003-2019)

## **SELECT WORKING PAPERS**

"Climate Change and Economic Performance in the Short-run and the Long-run" (with Tim Thomas, Channing Arndt at IFPRI & Uchechukwu Jarrett at U. Nebraska)

"How Different is MENA? Climate Impacts and Fiscal Policy Challenges in Middle East and North Africa" (with Zeljko Bogetic) World Bank, EFI-MENA Climate Group.

"Risky Gravity: The Case for the Role of Risk in Trade" (with Uchechukwu Jarrett)

"Corruption, Tax Evasion and Trade: A Signaling Game" (with Steve Polasky)

"Catastrophic Risk, Contagion and Public Policy: Could Data Have Revealed the Risk of COVID-19?" (with John Schwendel)

"The Distribution of Household Income in the United States, 1946-2015" (with John Schwendel)

## **REPORTS**

Macroeconomic Policy and Climate Change: Implications for MENA (Report prepared for the World Bank, March 2023)

Carbon Mitigation Strategies in MENA Countries: Empirical Analysis and Projections (Report prepared for the World Bank, June 2023)

## **JOURNAL ARTICLES**

"Understanding the Globalization-Crisis Linkage: A 'differenced' approach" Review of International Economics (Online version published May 9, 2023). <https://doi.org/10.1111/roie.12680>, (with Uchechukwu Jarrett).

"Dry Spells and Global Crop Production: a Multi-stressor and Multi-timescale Analysis" Ecological Economics. Forthcoming, Volume 203, January 2023 (with Steve Miller and Uchechukwu Jarrett).

"Heat Waves, Climate Change and Economic Output" Journal of the European Economic Association 2021. 19(5): 2658–2694 (with Kenn Chua, Jay Coggins, Steve Miller).

"Catastrophe and Rational Policy: The Case of National Security" Economic Inquiry 2021. 59(1): 140-161 (with Bryan Weber).

"Terrorism and Policy Response: Theory and Empirics" Indian Growth and Development 2019 October (with Bryan Weber).

"Kleptocracy and Tax Evasion under Resource Abundance" Economics and Politics 2019:1-51 (with Michael Ross, Uchechukwu Jarrett and Stefan Ruediger)

"Oil Price Volatility, Financial Institutions and Economic Growth" Energy Policy: 2019, 126: 131-144 (with Kamiar Mohaddes and Uchechukwu Jarrett).

"Natural Resources, Incentives and Human Capital: Reinterpreting the Curse" Middle East Development Journal 2018, 10(1): 1-30 (with Salim Araji)

"Risk Mitigating Policies and Adversarial Behavior: Case of Backlash" Risk Analysis 2017, 37(3): 459–470

“Inflation, Financial Intermediation and Growth: Case of Egypt” Middle East Development Journal 2014, 6:1-19 (with Amr Hosny)

" What does Egypt’s Revolution Reveal about its Economy?" International Economic Journal 2014, 28:589-611 (with Magda Kandil and Amr Hosney)

“Intellectual Property Rights and Economic Growth: Is there a Threshold Effect?” International Economic Journal 2014, 28:121-135 (with Stefan Ruediger)

“Optimal Security Investments and Extreme Risk” Risk Analysis 2012, 32: 1309-1325 (with Swati Agiwal)

“What have we Learned from the Liquidity Crisis of 2007-2008” Journal of Financial Transformation 2012, 34: 119-128 (With Stefan Ruediger)

"The Risk of Catastrophic Terrorism: An Extreme Value Approach." Journal of Applied Econometrics 2009, 24:537-559 (with Antu Murshid)

“Risk Analysis of Chemical, Biological, or Radionuclear Threats: Implications for Food Security” (with Antu Murshid), Risk Analysis 2009, 29:1317-1335 (with Antu Murshid)

“Information Sharing In Buyer-Supplier Relationships: A Strategic Signaling Analysis” Journal Of Systems Science and Systems Engineering 2009 18 (2): 129-158 (with Rob Kauffman)

“Information Sharing in Food Supply Chains,” Canadian Journal of Agricultural Economics 2008, 56: 163-178

“Endogenous Imitation And Technology Absorption In a Model of North-South Trade,” International Economic Journal 2006, 20: 431-459 (with Anusua Datta)

“Information Exchange and IT Adoption in Supply Chains: Application to the Food Sector,” American Journal of Agricultural Economics 2005, 87: 582-599 (with Jean Kinsey)

“Open vs. Proprietary Systems in B2B E-Procurement: A Risk-Augmented Transaction Cost Perspective,” Management Information Systems 2004, 21: 137-166 (with Rob Kauffman)

“Financial Markets and the Financing Choice of Firms in Developing Countries: Exposition with Panel Data,” Global Finance Journal 2004, 15: 57-70 (with Sumit Agarwal)

“Democracy, Rent Seeking, Public Goods and Economic Growth,” *Journal of Public Economics* 2003, 87: 445-466 (with Terry Roe)

“International Trade, Technology, and Aggregate Growth: An Overview of New Growth Theory,” *Review of Agricultural Economics* 2001, 23: 423-440 (with Terry Roe)

“Lobbying, Growth & Public Goods,” *European Journal of Political Economy* 1998, 14: 453-573 (with Terry Roe)

“Environment, Growth & Optimal Policy Design,” *Journal of Public Economics*, 1996, 63: 119 140

“The Racial Composition of Unemployment: The Role of Unions,” *The Manchester School* 1995, LXIII: 175 195 (with John Heywood)

“Stagflation & Monetary Stabilization Policies in a Disequilibrium Framework, Case of South Korea: A Rejoinder,” *Journal of Post Keynesian Economics*, 1995, 17: 469 471. (with Harji Arora)

“Labor Specialization and Endogenous Growth,” *American Economic Review Papers and Proceedings* 1992, 82: 404 408 (with Sunwoog Kim)

“Environment, Trade and Strategic Interdependence: A Simple Model with Implications for NAFTA,” *North American Journal of Economics and Finance* 1992, 3: 175 186

“Exports, Growth and Causality in LDCs: A Reexamination,” *Journal of Development Economics* 1991, 36: 405 415 (with M. Bahmani & G. Shabsigh)

“Export Instability & Export Diversification: Case of South East Asian & Latin American Countries,” *International Economic Journal* 1991, 5: 15 33 (with Andreas Savvides)

“Expropriation of Multinational Firms: The Role of Domestic Market Conditions & Domestic Rivalries,” *Economic Inquiry* 1990, 28: 813 830.

“Rural Inequality as Determinant of Push vs. Pull Migration in Iran: 1956 1976,” *World Development* 1990, 18: 837 44.

“Migration and Job Search in a Dualistic Economy: A Todaro Stigler Synthesis,” *Economics Letters* 1989, 29: 373 78.

“Growth Distribution Trade Offs: The Role of Capacity Utilization,” *Cambridge Journal of Economics* 1988, 12: 419 33.

“Stagflation and Monetary Stabilization Policies in a Disequilibrium Framework: Case of South Korea,” *Journal of Post Keynesian Economics* 1988, 11: 602-617 (with Harjit Arora).

“Industrialization and Urban Inequality in LDCs: A Theoretical Analysis with Evidence from Pre Revolutionary Iran,” *Journal of Developing Areas* 1987 (October): 41-58.

“Rural Stratification, Rural to Urban Migration and Urban Inequality: Case of Iran,” *World Development* 1986, 14: 713-725.

“A Polynomial Identity,” *American Mathematical Monthly*, 1972 (March): 305. (with W. Frank, Oyster and Tom Pickett)

### **BOOK CHAPTERS**

“The Heavy Tails in Finance: A Survey” *Econometrics: New Research in Nova Science Publications* 2012 (Hauppauge, NY) pp. 109-120 (with Stefan Ruediger)

“Developing Risk Metrics to Estimate Risks of Catastrophic Biological and Bioterrorist Events: Applications to the Food Industry” in *Wiley Handbook of Science and Engineering for Homeland Security*, John G. Voeller (ed.) John Wiley & Sons 2009 (New York, NY).

“Analyzing Catastrophic Terrorist Events with Applications to the Food Industry,” (with A. Murshid) in *The Economic Costs and Consequences of Terrorism*, Harry Richardson (ed), Edward Elgar 2006 (London, UK), ISBN #1845427343 (with Antu Murshid)

“Economic Growth, R & D Spillovers and Convergence” in *Next Economic Growth: New Factors and New Perspectives*, M. Bahmani-Oskooee and M. Galindo-Martin (ed.) (New York, NOVA Publishing Company) 2006 (with Anusua Datta, and Mohsen Bahmani-Oskooee)

“Country Risk Ratings for the Middle East and North Africa,” in *Economic Trends in the MENA Region*, Economic Research Forum (ed.) (Cairo, ERF) 1998

“Environmentally Sustainable Development in the Middle East & North Africa,” in *Prospects for Middle Eastern and North African Economies*, N. Shafik (ed.) (London, Macmillan) 1997: 262-287

“R&D Spillovers, Economic Growth, Convergence & Divergence: A Time Series Approach,” in *Implications of the New Growth Theory to Agricultural*

Trade Research & Trade Policy , T. Roe (ed.) April 1997 (with Anusua Datta and Terry Roe)

“Institutional Reforms in the Middle East and North African Countries: Country Risk Comparisons,” in Economic Trends in the MENA Region, Economic Research Forum (ed.) (Cairo, ERF) 1996

“Environment, Development, and Growth: Designing Optimal Policies and Explaining the Evidence.” USAID 1995, Supplementary Paper No. 2.

“A Teaching Model to Simulate the Effects of Health & Family Planning Programs in Nepal,” in Case Studies in the Demographic Impact of Asian Development Projects, R. Barlow (ed.) Center for Research on Economic Development, University of Michigan (Ann Arbor, 1982), pp. 145 168 (with Howard Barnum)

#### **CONFERENCE PROCEEDINGS**

Best Paper: Hamid Mohtadi and Stefan Ruediger, “Financial Cascades in the MENA Region: Theory, Empirics And Policy,” Economic Research Forum, WP 718, October 2012

Swati Agiwal and Hamid Mohtadi, Risk Mitigating Investment Strategies in the Food Sector. Selected Papers  
American Agricultural Economics Annual Conference 2008.

Swati Agiwal, Hamid Mohtadi and Jean Kinsey “Security-Preparedness of Firms in U.S. Food Supply Chain” 2008 Sloan Industry Series Number WP-2008-30

Hamid Mohtadi and Jean Kinsey “Optimum Investments To Mitigate Catastrophic Risk: Application to Food Industry Firms” 2007 Sloan Industry Series Number WP-2007-23

Hamid Mohtadi “Assessing the risk of Terrorism using Extreme Value Statistics,” Proceedings of the Institute of Food Technologists’ First Annual Food Protection and Defense Research Conference, November 3-4, 2005, (Proceedings of the Institute of Food Technologists’ First Annual Food Protection and Defense Research Conference (Atlanta, GA) 2006

Hamid Mohtadi & Rob Kauffman “Information Technology in B2B E-Procurement: Open Vs. Proprietary Systems,” in Proceedings of the 35th Hawaii International Conference on Systems Sciences, Kona, Hawaii, R. Sprague (ed.) (Los Alamitos, CA, IEEE Computing Society Press): Jan. 2002

## **RESEARCH GRANTS**

Joint NSF-DHS Research Grant on “Dissuading Adversaries and their RN Pathways: Integrating Deterrence Theory and Analytics in the GNDA” \$195,773. (Sponsored PhD students), 2013-2018

Economic Research Forum Research Award for the project “Do Natural Resource Inhibit Transparency,” (with M. Ross and S. Ruediger) \$28,000, 2013-2015

DHS Research Grants on 4 different project related to measuring the probability of extreme adversary events and response to them, \$532,320 (Sponsored PhD and Masters students), 2005-2009

Alfred P. Sloan Research Award for project on “Study of Information Technology Adoption in Food Industry Firms” \$48,000, 2000-2001

Economic Research Forum & European Union for project on “Construction of Industry-Level Capital Stock and Total Factor Productivity Data for Several Middle East Economies” (with J. Jalali) \$51,000, 1999-2000

University of Wisconsin Research Award on “Human Capital, Specialization and Growth” \$10,000, 1996-1997

## **UNIVERSITY SERVICE**

2020 Case Manager for Promotion to Full Professor, Economics Department, U. of Wisconsin

2019 Case Manager for Promotion to Full Professor, Economics Department, U. of Wisconsin

2019 Graduate Admissions Committee, Economics Department, U. of Wisconsin

2018 Reviewer, Research and Creative Activities Support Awards (RACAS), U. of Wisconsin

2018 University-wide grant proposal to the US Department of Education Title IV National Resource Center (NRC), U. of Wisconsin

2017 Support for Alumni Most Accomplished Achievement Award for Sumit Agarwal (former Advisee), U. of Wisconsin

2008 Co-organizer, National Conference on Global Climate Change, U. of Wisconsin

2007 Case Manager for tenure promotion, Economics Department, U. of Wisconsin

2006-2007: Co-Director, Center for Food Industry, U. of Minnesota

2006: Board Member, Food Industry Center Program Leadership Board, U. of Minnesota

2003-2005 Chair and member, Divisional Committee for Social Sciences, U. of Wisconsin

### **PHD THESES ADVISED**

2019. John Schwendel “Essays on U.S. Income Inequality, 1945-2016” (Teaches at Indiana University in Bloomington, IN).

2016. Uchechukwu Jarrett “Essays on Growth and Development: An International Economics Perspective” (Assistant Professor, University of Nebraska in Lincoln, NB)

2015. Bryan Weber (I was co-advisor) "Essays in the Economics of Crime" (Assistant Professor at CUNY Staten Island)

2014. Salim Araji “Essays on Natural Resources” (Senior Economist with the United Nations, Beirut, Lebanon)

2013. Ping-Hang Fan “International Capital Mobility and Economic Growth” (Department’s best student, nominated for the university wide Chancellor Fellowship. Leads a research think tank in Taiwan)

2010. Swati Agiwal (U. of Minnesota PhD student—I was co-advisor) “Essays on Risk and Resiliency” (Senior Risk Analyst Wells Fargo)

2008. Stephan Ruediger “Technology Transfer and Economic Growth” (Stephan Ruediger is Associate Professor of Practice, University of Virginia)

2000. Sumit Agarwal “Financial Intermediation and Capital Markets Interdependence in Emerging Markets.” (presently, Low Tuck Kwong Distinguished Professor of Finance at the Business School and a Professor of Economics and Real Estate at the National University of Singapore. Previously, William G. Droms Term Professor of Finance, Georgetown University. Winner of 2017 Distinguished Alumni Award at U. Of Wisconsin-Milwaukee. Previous to Georgetown, Senior Financial Economist at Chicago Fed. Prior to that, Senior Vice President at Bank of America)

1999. Anusua Datta “Three Essays on Trade, Economic Growth and Industrial Organization” (Professor, Economics Department, Philadelphia University)

1996. Romkaew Broehm “A Panel Study of Entry Exit Behavior” (Consultant, The Brattle Group, Cambridge, MA)

1989. Abera Gelan “Multinational Corporations and Development.” (Associate Professor, Department of Africology, University of Wisconsin-Milwaukee)

1989. Yvonne Chen “Biodiversity” (Assistant Professor, Econ. Dept. DePaul University in Chicago; current address unknown)

**PhD Committee Member:** approximately 27

**Master thesis and Master papers supervised:** approx. 20

### **AWARDS**

Best Paper Award, in macroeconomics (with S. Araji) Economic Research Forum, 2013

Best Paper Award in finance and development (with S. Ruediger) Econ. Res. Forum, 2012

Best Paper Award, Institute for Operations Research and Management Science, 2003

National Science Foundation Graduate Fellowship, under Professor Hal Varian, University of Michigan, 1977

Graduate School Fellowship, Columbia University, 1975

Phi Beta Kappa, 1973

### **PRESENTATIONS**

(Details available. #'s in parentheses are frequency of personations)

#### **In US:**

The World Bank EFI-MENA Climate (1); Group American Economic Association (4); Econometric Society (2); Western Economic Association (2); Midwest Economic Association (1); Midwest International Economic Development Conference (4); Middle East Social Science Conference (1); American Agricultural Economic Association (2); US Department of Agriculture Economic Research Service Washington, DC (1); International Agriculture & Trade Consortium Washington, DC (2); University of Minnesota: Economics Dept (1), Applied Economics Dept (4) & Carlson School of Management (1); University of Wisconsin-Milwaukee: Economics Dept (5), University of Wisconsin-Madison: Economics Dept (1) & Applied Economics Dept (3); University of Southern California: Economics Dept (1) & Department of Urban Planning (1); University of Illinois Urbana-Champaign: Economics Dept (1); University of Colorado Boulder: Economics Dept (1); University of Maryland: START (3); Massachusetts Institutes of Technology: Alfred P. Sloan Conference (1); SUNY-Buffalo: Conference on Risk Mitigation (1)

#### **International:**

Conference of the Euro-Mediterranean Forums of Institutes of Economic Sciences-FEMISE: Marseille, France (2)

Presentation on Economics of Growth: University of Giessen, Germany (2)

The Economic Research Forum Conferences: Cairo(4), Egypt, Rabat (1) &

Marakesh(1), Morocco; Tunis, Tunisia; Amman, Jordan Kuwait City, Kuwait

Pontificia Universidad Católica de Chile, Santiago, Chile (invited talk)

Turkish Central Bank Research Division, Istanbul, Turkey (invited talk)

**PRIVATE SECTOR EXPERIENCE: BANKING (on university leave)** (March 2008-August 2010)

Because of my expertise in risk, US Bank Corp. invited me to join them in order to assist them in the development and validation of their financial risk models during the period of financial crisis (Great Recession).

1. (January 2010-August 2010) Vice President - Quantitative Development Manager, Treasury Division, US Bank. Managed and led four quantitative analysts on market risk, operational risk and business risk models; produced reports for the on various risks; led research on enhancing interest rate swap models; part of management team of fixed income risk to ensure regulatory compliance; oversaw and enhanced market risk; advised and managed input to the operational risks; participated in regulatory supervisory exams by the Office of the Comptroller of the Currency (OCC) on market risk and operation risk; participated in economic capital committees chaired by the CFO of US Bank.

2. (March 2008-Dec 2009) Vice President - Credit Risk Manager, Credit Risk Assessment, US Bank. Oversaw and recommended improvements in credit risk models for commercial loan portfolio; reviewed, provided advice on model enhancement and validation; initiated new research agenda and developed new model to improve US Bank's existing commercial loan default models; participated in regulatory supervisory exams by OCC on wholesale credit risk.