

GOPINATH (GOPI) MUNISAMY
Distinguished Professor of Agricultural Marketing
Department of Agricultural and Applied Economics
University of Georgia, 312D Conner Hall, Athens GA 30602
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I. EDUCATION

Ph.D., *Agricultural & Applied Economics*, University of Minnesota, Twin Cities
M.Sc., *Agricultural Economics*, Indian Agricultural Research Institute, New Delhi, India
B.Sc., *Agricultural Sciences*, Tamil Nadu Agricultural University, Coimbatore, India

II. RESEARCH & TEACHING AREAS

Markets, Trade, Agricultural Policy and Economic Development

III. POSITIONS HELD

2020 – Present: *Distinguished Professor of Agricultural Marketing*

2022 – 2023: *Department Head*

2019 – Present: *Professor*, Department of Agricultural and Applied Economics, University of Georgia, Athens, GA (60% Research, 30% Teaching and 10% Extension)

2021 – Present: *Visiting Professor*, Center for Management in Agriculture, Indian Institute of Management, Ahmedabad, India

2012 – 2019: *Director*, Market and Trade Economics Division, Economic Research Service, USDA, Washington DC (*Senior Executive Service-Career*)

- Led ERS' Market and Trade Economics program (~ 100 staff) including 10-year USDA Baseline, WASDE, Cost and Returns, Trade Policy and International Food Security.

2008 – 2012: *Director*, Applied Economics Graduate Program, Graduate School, Oregon State University, Corvallis, Oregon

1997 – 2012: *Professor* (2006-2012), *Associate Professor with tenure* (2001-2006), *Assistant Professor* (1997-2001), Department of Applied Economics, Oregon State University

- *Visiting Researcher/Fellow*
Development Economics Group, The World Bank, June 2012
National Center for Agricultural Economics and Policy,
New Delhi, India, December 2007
International Food Policy Research Institute, June 2003
- *Adjunct Professor*, Master of International Management Program, School of Business Administration, Portland State University, 2001-2007

1995 – 1997: *Post-Doctoral Associate*, University of Minnesota/USDA Economic Research Service, Washington DC

IV. PROFESSIONAL HONORS, AWARDS & SERVICE

Honors & Awards

Distinguished Professorship in Agricultural Marketing, University of Georgia, 2020-
Faculty Fellow, Center for International Trade and Security, University of Georgia, 2020-
Chair, Global Forum on Agriculture, Organization for Economic Cooperation and
Development, Paris, 2016-2018
Chair, International Section (2015); South Asia Section (2023), Agricultural and Applied
Economics Association (AAEA), 2015
Chair, International Agricultural Trade Research Consortium (IATRC), 2011-2012
Leadership Academy, Oregon State University, 2010-2011
Outstanding Published Research Award, Western Agricultural Economics Association, 2009
Gamma Sigma Delta, *Honor Society*, 2001.
Chair, Selected Papers Committee, American Agricultural Economics Association Annual
Meetings, Chicago, IL, August 2001.
Herald Jensen Award of Excellence for Ph.D. Theses, Department of Applied Economics,
University of Minnesota, 1995.
Junior Research Fellow, Indian Agricultural Research Institute, India, 1988-1990

Professional Service

AAEA, *Member*, South Asia Section Executive Committee (2022-2024)
Member, International Section Executive Committee (2014-2016)
Member, Economics and Statistics Committee, 2010-2011
Member, Annual Meeting Structure Taskforce, 2006-2007
Topic Leader for Selected Papers, International Agricultural Development (Tampa
Meetings, 2000) and International Agricultural Trade (Nashville Meeting, 1999)
IATRC, *Executive Committee*, 2010-2012
Organizer of Theme Day (December 2006), Summer Symposium (July 2008 and
August 2012)
Mentor, Hewlett Foundation Fellowship, 2008-2010
USDA/CSREES, *Panelist and Reviewer*, National Research Initiative Competitive Grants,
1999-2002, 2004
USDA/ERS, *Reviewer* 2004, 2005, 2006 PREISM Competitive Grants
WAEA, *Member*, Master's Thesis Award Committee, 2000
External Reviewer for Tenure and Promotion Candidates (University of Minnesota; Cornell
University; Oklahoma State University; Louisiana State University; Colby College;
University of Delaware; University of Texas-Arlington; University of Missouri)

Editorial Boards

Managing Editor, *Applied Economic Perspectives and Policy*, 2023-

Editorial Board, *Research on World Agricultural Economy*, 2023-
Topic Board, *Journal of Risk and Financial Management*, 2020-
Editorial Board, *Agricultural Economics Research Review*, 2008-2011, 2015-
Editorial Board, *Applied Economic Perspectives and Policy*, 2010-2012
Editorial Council, *Journal of Agricultural and Applied Economics*, 2009-2012
Associate Editor, *American Journal of Agricultural Economics*, 2004-2007

Journal Reviews

American Economic Review; Journal of Political Economy; Review of Economics and Statistics; Journal of Environmental Economics and Management; American Journal of Agricultural Economics; Journal of Economic Growth; Journal of Comparative Economics; PLOS ONE; Anthropocene; Economica; Economic Inquiry; Journal of Productivity Analysis; Land Economics; Review of International Economics; China Economic Review; Journal of Agricultural and Resource Economics; Applied Economics; Eastern Economic Journal; Journal of Agricultural Economics; Canadian Journal of Agricultural Economics; Review of Agricultural Economics; Applied Economic Perspectives and Policy; Agricultural Economics; Scientific Reports; Annals of Public and Cooperative Economics; European Review of Agricultural Economics; Australian Journal of Agricultural and Resource Economics; Economic Systems; International Economic Journal; Journal of Agricultural and Applied Economics; Agricultural and Resource Economics Review; FFTC Journal; Journal of International Agricultural Trade and Development; Journal of Risk and Financial Management.

University of Georgia

- Department of Agricultural and Applied Economics
Graduate Placement Coordinator, 2019-2022
Preliminary Exam Committee, 2020-2021
Department Head Search Committee, 2021

Oregon State University

- OUS Representative, Economic Gardening Taskforce, Oregon Legislature, 2010-2012
- Department of Agricultural and Resource Economics
Promotion and Tenure Committee, 2006-2012
Graduate Committee, 1999-2002, 2004-2008
Department Head Search Committee, 2006-2007
Quantitative Methods Preliminary Examination Committee, Chair, 2006-2008
Seminar Committee, Chair, 2003-2005, Member, 2002-2003
Search Committee for Assistant Professor
 - Markets and Trade: Chair, 2004; Member, 2000
 - Rural Economics: Member, 2009Search Committee for Office Manager, 2012
Committee on Procedures for Post-Tenure Review, 1999-2000
Graduate Admissions Committee, 2000-2001, 2004-2005, 2007-2008
AAEA and WAEA Thesis Award Nomination Committee, 1998, 2004
Undergraduate Committee, 1997-1999
- Faculty Senate
Program Review Committee, Department of Statistics and Operations Research, 2004
Budgets and Fiscal Planning Committee, 2002-2004
Panel for Faculty Hearing Committee, 2000-2002
Athletic Hearing Committee, 2003
- University Graduate Faculty of Economics
Member, Policy Committee, 2000-2005
Quantitative Methods Preliminary Examination Committee, Member, 1998-2002, 2004-2005
Chair, Seminar Committee, 2003-05
Member, Fellowships/Scholarships Committee, 2003-2004

V. PUBLICATIONS

Book

Gopinath, M., and H. Kim (Editors). 2009. "Globalization and the Rural-Urban Divide." Seoul, Korea: Seoul National University Press (reviewed by *American Journal of Agricultural Economics* and *Journal of Agricultural Economics*).

Journal Articles (* denotes student co-author)

Jeong*, S., M. Gopinath, A. Kulkarni* and F. Batarseh. 2023. "Deploying Machine Learning Methods to Predict Global Trading Patterns: The Case of Beef." *Journal of the American Society of Agricultural and Biological Engineers*, forthcoming.

Poudel*, D., and M. Gopinath. 2023. "Regional Heterogeneity in Undernourishment: The Case of Nepal." *Journal of Agribusiness in Developing and Emerging Economies*, forthcoming.

Balaji, S. J., and M. Gopinath. 2023. "Spatial Growth and Convergence in Indian Agriculture." *Agricultural Economics*, Volume 54, Issue 6: 761-777 (lead article). <http://dx.doi.org/10.1111/agec.12807>.

Khadka*, S., M. Gopinath and F. Batarseh. 2023. "Anomalies in Agricultural Trade: A Bayesian Classifier Approach," *Journal of the Agricultural and Applied Economics Association*, Volume 2, Issue 3: 402-427. <https://doi.org/10.1002/jaa2.69>.

Adhikari*, S., D. Poudel* and M. Gopinath. 2023. "Is Policy Greasing the Wheels of Global Palm Oil Trade," *Research on World Agricultural Economy*, Volume 4, Issue 2, pp 62-77.

Jeong*, S., and M. Gopinath. 2023. "International Market Information and Agricultural Commodity Price Dynamics." *Journal of Agribusiness in Developing and Emerging Economies*, <https://doi.org/10.1108/JADEE-06-2022-0126>.

Wang*, Y., J. Chandrasekaran, F. Haberkorn, Y. Dong, M. Gopinath and F. A. Batarseh. 2022. "DeepFarm: AI-Driven Management of Farm Production using Explainable Causality," *Proceedings of the 2022 IEEE 29th Annual Software Technology Conference*, pp. 27-36, [doi: 10.1109/STC55697.2022.00013](https://doi.org/10.1109/STC55697.2022.00013).

Gurrapu*, S., F. A. Batarseh, P. Wang, M. N. Kabir Sikder, N. Gorentala* and M. Gopinath. 2021. "DeepAg: Deep Learning Approach for Measuring the Effects of Outlier Events On Agricultural Production and Policy," *Proceedings of the 2021 IEEE Symposium Series on Computational Intelligence*, pp. 1-8, [doi:10.1109/SSCI50451.2021.9659921](https://doi.org/10.1109/SSCI50451.2021.9659921).

Batarseh, F.A., M. Gopinath, A. Monken* and Z. Gu*. 2021. "Public Policymaking for International Agricultural Trade using Association Rules and Ensemble Machine Learning." *Machine Learning with Applications*, Vol. 5, September, Article 100046.

- Poudel*, D., and M. Gopinath. 2021. "Exploring the Disparity in Global Food Security Indicators." *Global Food Security*, Volume 29, Issue: June, Article 100549.
- Monken*, A., F. Haberkorn, M. Gopinath, L. Freeman and F. Batarseh. 2021. "Graph Neural Networks for Modeling Causality in International Trade." *The International FLAIRS Conference Proceedings*, Volume 34.
- Gopinath, M. 2021. "Does Trade Policy Uncertainty Affect Agriculture?" *Applied Economic Perspectives and Policy*, Volume 43, Issue 2, pp. 604-618.
- Beckman, J., M. Gopinath and K. Daugherty. 2021. "Options for ASEAN Trade Expansion: Within, Plus Three or Six, European Union or the United States?" *The World Economy*, Volume 44, Issue: May, pp. 1177-1204.
- Gopinath, M., F. Batarseh, J. Beckman, A. Kulkarni* and S. Jeong*. 2021. "International Agricultural Trade Forecasting Using Machine Learning." *Data & Policy*, Volume 3, Issue: January, e1.
- Beckman, J., M. Gopinath and M. Tsigas. 2018. "Impact of Tax Reform on Agricultural Households." *American Journal of Agricultural Economics*, Volume 100, Issue 5, pp. 1391-1406.
- Beckman, J., E. Gooch, M. Gopinath and M. Landes. 2018. "Market Impact of China and India Meeting Biofuel Targets Using Traditional Feedstocks." *Biomass and Bioenergy*, Volume 108, Issue: January, pp. 258-264.
- Badau*, F., R. Fare and M. Gopinath. 2016. "Global Resilience to Climate Change: Examining Economic and Environmental Performance Resulting from a Global Carbon Dioxide Market." *Resource and Energy Economics*, Volume 45, Issue: August, pp. 46-64.
- Asha Latha*, K.V., and M Gopinath. 2016. "Impact of Climate Change on Crop Production in Karnataka by Spatial Techniques." *International Journal of Agricultural and Statistical Sciences*, Volume 12, Issue 1, pp. 107-116.
- Heerman, K., S. Arita and M. Gopinath. 2015. "Asia Pacific Integration Led by China vs. United States: Examining Trade Patterns under Heterogeneous Agricultural Sectors." *American Journal of Agricultural Economics*, Volume 97, Issue 5, pp. 1324-44.
- Yoo*, C.K., S. Buccola and M. Gopinath. 2013. "Cooperative Pricing and Scale Efficiency: The Case of Korean Rice Processing Complexes." *Agricultural Economics*, Volume 44, Issue 3, pp. 309-321.
- Asha Latha*, K.V., M. Gopinath and A.R.S. Bhat. 2012. "Impact of Climate Change on Rainfed Agriculture: A Case Study of Dharwad." *International Journal of Environmental Science and Development*, Volume 3, Issue 4, pp. 368-371.

- Yoo*, C.K., M. Gopinath and H. Kim. 2012. "Trade Policy Reform, Productivity Growth And Welfare in Korean Agriculture." *Applied Economic Perspectives and Policy*, Volume 34, Issue 3, pp. 472-488.
- Echeverría*, R., V. Moreira, J. Barrena and M. Gopinath. 2012. "A Characterization of Chilean Farmers Based on Market Orientation." *Ciencia e Investigación Agraria*, Volume 39, Issue 2, pp 255-264.
- Saito*, H., M. Gopinath and J. Wu. 2011. "Heterogeneous Firms, Trade Liberalization and Agglomeration." *Canadian Journal of Economics*, Volume 44, Issue 2, pp. 541-560.
- Arnade, C., M. Gopinath and D. Pick. 2011. "How Much Do Consumers Benefit from New Brand Introductions? The Case of Potato Chips." *Journal of Agricultural and Resource Economics*, Volume 36, Issue 2, pp. 78-94.
- Kim*, S., J. Reimer and M. Gopinath. 2011. "The Impact of Trade Costs on Firm Entry, Exporting, and Survival in Korea." *Economic Inquiry*, Volume 49, Issue 2, pp. 434-446.
- Saito*, H., and M. Gopinath. 2011. "Knowledge Spillovers, Absorptive Capacity and Skill Intensity of Chilean Manufacturing Plants." *Journal of Regional Science*, Volume 51, Issue 1, pp. 83-101.
- Ruan*, J., and M. Gopinath. 2010. "Technological Convergence, Competitiveness and Welfare: A Study of International Manufacturing Industries." *Journal of International Trade and Economic Development*, Volume 19, Issue 4, pp. 517-551.
- Arnade, C., D. Pick and M. Gopinath. 2010. "Demand Estimation When Some Prices are Unobserved: An Application to Fresh Lettuce." *Applied Economics Letters*, Volume 17, Issue 17, pp. 1641-1646 (*lead article*).
- Gopinath, M., H. Min* and S. Buccola. 2010. "Technical Barriers to Interstate Trade: Noxious Weed Regulations." *Journal of Agricultural and Applied Economics*, Volume 42, Issue 4, pp. 617-630 (*lead article*).
- Saito*, H., and M. Gopinath. 2009. "Plants' Self-Selection, Agglomeration Economies and Regional Productivity in Chile." *Journal of Economic Geography*, Volume 9, Issue 4, pp. 539-558.
- Kim*, S., M. Gopinath and H. Kim. 2009. "High Productivity Before or After Exports? An Empirical Analysis of Korean Manufacturing Firms." *Journal of Asian Economics*, Volume 20, Issue 4, pp. 410-418.
- Echeverría*, R., M. Gopinath, V. Moreira and Pedro Cortés. 2009. "Factors Determining The Export-Production Decision of Chilean Farmers: The Case of Blueberry Producers." *Journal of International Agricultural Trade and Development*, Volume 5, Issue 2, pp. 273-289.

- Kim*, H., M. Gopinath and J-K. Kim. 2009. "Competition between China and the United States in the Korean Food Market." *Journal of International Agricultural Trade and Development*, Volume 5, Issue 1, pp. 31-50.
- Ruan*, J., and M. Gopinath. 2008. "Global Productivity Distribution and Trade Liberalisation: Evidence from Processed Food Industries." *European Review of Agricultural Economics*, Volume 35, Issue 4, pp. 439-460.
- Echeverria*, R., and M. Gopinath. 2008. "Export Behavior in the Chilean Agribusiness and Food Processing Industry." *Chilean Journal of Agricultural Research (Agricultura Técnica)*, Volume 68, Issue 4, pp. 368-379.
- Arnade, C., M. Gopinath and D. Pick. 2008. "Brand Inertia in U.S. Household Cheese Consumption." *American Journal of Agricultural Economics*, Volume 90, Issue 3, pp. 813-826.
- Waldkirch, A. and M. Gopinath. 2008. "Pollution Control and Foreign Direct Investment in Mexico: An Industry-Level Analysis." *Environmental and Resource Economics*, Volume 41, Issue 3, pp. 289-313 (*lead article*).
- Wu, J., and M. Gopinath. 2008. "What Causes Spatial Variations in Economic Development in the United States?" *American Journal of Agricultural Economics*, Volume 90, Issue 2, pp. 392-408.
- Min*, H., M. Gopinath, S. Buccola and P. McEvoy. 2008. "Rent-Seeking in Invasive Species Regulations: The Case of Noxious Weeds." *Land Economics*, Volume 84, Issue 2, pp. 306-326.
- Ruan*, J., M. Gopinath and S. Buccola. 2008. "Welfare Effects of Technological Convergence in Processed Food Industries." *American Journal of Agricultural Economics*, Volume 90, Issue 2, pp. 447-462.
- Arnade, C., M. Gopinath and D. Pick. 2007. "Measuring the Degree of Retail Competition in U.S. Cheese Markets." *Journal of Agricultural and Food Industrial Organization*, Volume 5, Issue 1, Article 1.
- Arnade, C., and M. Gopinath. 2006. "The Dynamics of Individuals' Fat Consumption." *American Journal of Agricultural Economics*, Volume 88, Issue 4, pp. 836-850.
- Yavapolkul*, N., M. Gopinath and A. Gulati. 2006. "Post-Uruguay Round Price Linkages Between Developed and Developing Countries: The Case of the Rice and Wheat Markets." *Agricultural Economics*, Volume 34, Issue 3, pp. 259-272.
- Gopinath, M., D. Pick and Y. Li*. 2004. "An Empirical Analysis of Productivity Growth and Industrial Concentration in U.S. Manufacturing." *Applied Economics*, Volume 36, Issue 1, pp. 1-7 (*lead article*).

- Gopinath, M., and R. Echeverria*. 2004. "Does Economic Development Impact the Foreign Direct Investment-Trade Relationship? A Gravity Model Approach" *American Journal of Agricultural Economics*, Volume 86, Issue 3, pp. 778-783.
- Gopinath, M., and W. Chen*. 2003. "Foreign Direct Investment and Wages: A Cross-Country Analysis." *Journal of International Trade and Economic Development*, Volume 12, Issue 3, pp. 285-309.
- Gopinath, M., D. Pick and Y. Li*. 2003. "Concentration and Innovation in the U.S. Food Industries" *Journal of Agricultural and Food Industrial Organization*, Volume 1, Issue 1, Article 15.
- Gopinath, M. 2003. "Cross-Country Differences in Technology: The Case of the Food Processing Industry." *Canadian Journal of Agricultural Economics*, Volume 51, Issue 1, pp. 97-107.
- Gopinath, M., and J. Carver*. 2002. "Total Factor Productivity and Processed Food Trade: A Cross-Country Analysis." *Journal of Agricultural and Resource Economics*, Volume 27, Issue 2, pp. 539-553.
- Gopinath, M., D. Pick and T. Worth. 2002. "Price Variability and Industrial Concentration in U.S. Food Industries." *Journal of Agricultural Economics*, Volume 53, Issue 3, pp. 587-604.
- Gopinath, M., and P. Mukti Upadhyay. 2002. "Human Capital, Technology and Specialization: A Comparison of Developed and Developing Countries." *Zeitschrift fur Nationalokonomie*, Volume 75, Issue 2, pp. 161-179.
- Buccola, S.T., C.A. Durham, M. Gopinath and E. Henderson*. 2001. "U.S. Marketing Cooperatives' Overseas Business Portfolios." *Journal of Agricultural and Resource Economics*, Volume 26, Issue 1, pp. 107-124.
- Gopinath, M., and P.L. Kennedy. 2000. "Agricultural Trade and Productivity Growth: A State-Level Analysis." *American Journal of Agricultural Economics*, Volume 82, Issue 5, pp. 1213-1218.
- Gopinath, M., and T.L. Roe. 2000. "R&D Spillovers: Evidence from U.S. Food Processing, Farm Machinery and Agricultural Sectors." *Economics of Innovation and New Technology*, Volume 9, Issue 3, pp. 223-243.
- Arnade, C., and M. Gopinath. 2000. "Financial Constraints and Output Targets in Russian Agricultural Production." *Journal of International Development*, Volume 12, Issue 1, pp. 71-84.
- Gopinath, M., and J. Wu. 1999. "Environmental Externalities and the Optimal Level of Market Power." *American Journal of Agricultural Economics*, Volume 81, Issue 4, pp. 825-833.

- Gopinath, M., and T.L. Roe. 1999. "Modeling Inter-Sectoral Growth Linkages: An Application to U.S. Agriculture." *Agricultural Economics*, Volume 21, Issue 2, pp. 131-144.
- Gopinath, M., and U. Vasavada. 1999. "Patents, R&D, and Market Structure in the U.S. Food Processing industry." *Journal of Agricultural and Resource Economics*, Volume 24, Issue 1, pp. 127-139.
- Gopinath, M., D. Pick, and U. Vasavada. 1999. "The Economics of Foreign Direct Investment and Trade with an Application to the U.S. Food Processing Industry." *American Journal of Agricultural Economics*, Volume 81, Issue 2, pp. 442-452.
- Gopinath, M., D. Pick, and U. Vasavada. 1998. "Exchange Rate Effects on the Relationship between FDI and Trade in the U.S. Food Processing Industry." *American Journal of Agricultural Economics*, Volume 80, Issue 5, pp. 1073-1079.
- Arnade, C., and M. Gopinath. 1998. "Capital Adjustment in U.S. Agriculture and Food Processing: A Cross-Sectoral Model." *Journal of Agricultural and Resource Economics*, Volume 23, Issue 1, pp. 85-98.
- Arnade, C., D. Pick, and M. Gopinath. 1998. "Testing Oligopoly Power in Domestic and Foreign Markets." *Applied Economics*, Volume 30, Issue 6, pp. 753-760.
- Gopinath, M., and T.L. Roe. 1997. "Sources of Sectoral Growth in an Economy Wide Context: The Case of U.S. Agriculture." *Journal of Productivity Analysis*, Volume 8, Issue 3, pp. 293-310.
- Gopinath, M., C. Arnade, M.D. Shane, and T.L. Roe. 1997. "Agricultural Competitiveness: The Case of the US and Major EU Countries." *Agricultural Economics*, Volume 16, Issue 2, pp. 99-109.
- Gopinath, M., and T.L. Roe. 1996. "Sources of Growth in U.S. GDP and Economy-Wide Linkages to the Agricultural Sector." *Journal of Agricultural and Resource Economics*, Volume 21, Issue 2, pp. 325-340.
- Gopinath, M., T.L. Roe, and M.D. Shane. 1996. "Competitiveness of U.S. Food Processing: Benefits from Primary Agriculture." *American Journal of Agricultural Economics*, Volume 78, Issue 4, pp. 1044-1055.
- Govindan, K., M. Gopinath, and T.L. Roe. 1996. "Growth Accounting, Supply Response and Factor Returns in General Equilibrium: The Case of Indonesia." *Journal of Asian Economics*, Volume 7, Issue 1, pp. 77-96.
- Gopinath, M., P.L. Kennedy, and T.L. Roe. 1995. "Trade, Growth and Welfare Linkages in North America: An Empirical Analysis." *North American Journal of Economics and Finance*, Volume 6, Issue 2, pp. 189-201.

Book Chapters, Working Papers, Policy Briefs and Technical Reports

Khadka, S., M. Gopinath and F.A. Batarseh. 2022. "Anomalies and Recoveries in Agricultural Trade." *Commissioned Paper No. 30, International Agricultural Trade Research Consortium*, MN.

<https://iatrc.umn.edu/anomalies-and-recoveries-in-agricultural-trade/>

Batarseh, F.A., M. Gopinath and R. Yang. 2020. "Data Driven Management of Outlier Events and Their Effects on Agricultural Economics and Policy." *Proceedings of Data for Policy 2020*: <https://doi.org/10.5281/zenodo.4031716>

Batarseh, F.A., M. Gopinath, and A. Monken. 2020. "Artificial Intelligence Methods for Evaluating Global Trade Flows," *International Finance Discussion Papers 1296*, Washington: Board of Governors of the Federal Reserve System, <https://doi.org/10.17016/IFDP.2020.1296>.

Gopinath, M., F. Batarseh and J. Beckman. 2020. "Machine Learning in Gravity Models: An Application to Agricultural Trade" *NBER Working Paper #27151*, Cambridge, MA. https://www.nber.org/papers/w27151?utm_campaign=ntwh&utm_medium=email&utm_source=ntwg10

Batarseh, F., and M. Gopinath. 2020. "Economic Policy and Governance During Pandemics Using AI." *Proceedings of the Association for Advancement of Artificial Intelligence (AAAI)*, FSS-20-05.

Batarseh, F., M. Gopinath, G. Nalluru* and J. Beckman. 2019. "Application of Machine Learning in Forecasting International Trade Trends." *Proceedings of the Association for Advancement of Artificial Intelligence (AAAI)*, FSS-19-05.

Rabinowitz, A., and M. Gopinath. 2019. "USDA Trade Assistance Programs: 2019 Impacts on Georgia Producers." *Policy Brief*, Center for Agribusiness and Economic Development, University of Georgia. <https://caed.uga.edu/content/dam/caes-subsite/caed/publications/center-reports/MFP2019%20GA%20Impact.pdf>

Gopinath, M. Y. Liu, A. Rabinowitz and J. Dorfman. 2019. "The Costs to American Agriculture from Recent Trade Disputes: A Georgia Perspective." *Policy Brief*, Center for Agribusiness and Economic Development, University of Georgia. <https://caed.uga.edu/content/dam/caes-subsite/caed/publications/center-reports/The%20Costs%20of%20Trade%20Disputes-UGA-CAED-Policy-Brief-June2019.pdf>

Roe, T.L. and M. Gopinath. 2018. "Models of Economic Growth: Application to Agriculture and Structural Transformation." In G. Cramer, K. Paudel and A. Schmitz (ed.) *The Routledge Handbook of Agricultural Economics*, Taylor and Francis Group.

Roe, T.L., and M. Gopinath. 2013. "Globalization, Macroeconomic Imbalances and South America's Potential to be the World's Food Basket." *IATRC Policy Brief*, 2013-08.

- Gopinath, M., 2012. *Evaluation of Idaho-Eastern Oregon Onion Committee's Promotion Program*. Idaho-Eastern Oregon Onion Committee, Parma, ID and Agricultural Marketing Service, US Department of Agriculture, Washington DC.
- Gopinath, M. 2010. "Gains from Trade: Discussant Comments" in McCalla, A., E. Rossmiller and L. Bipes (ed.) *Celebrating Thirty Years*, IATRC Proceedings Issue, Berkeley, CA.
- Gopinath, M. 2011. "India: Shadow WTO Domestic Support Notifications." In D. Orden, T. Josling and D. Blandford (ed.) *WTO Disciplines on Agricultural Domestic Support: Seeking a Fair Basis for Trade*, Cambridge University Press.
- Perry, G., M. Gopinath, W. Jaeger and T. Egelkraut. 2009. *Biofuel Production and Consumption in the United States: Some Facts and Answers to Common Questions*. Working Paper, Department of Agricultural and Resource Economics, Oregon State University.
- Wu, J., and M. Gopinath. 2009. "Spatial Disparities in Economic Development in the United States." In M. Gopinath and H. Kim (ed.) *Globalization and the Rural-Urban Divide*, Seoul National University Press, Korea.
- Gopinath, M., 2008. "India: Shadow WTO Domestic Support Notifications" Discussion Paper No. 792, Markets, Trade and Institution Division, *International Food Policy Research Institute*, Washington DC.
- Gopinath, M., and T. L. Roe. 2008. *Economic Impact of Rising Agricultural Commodity Prices*. Issue Paper for the Pacific Northwest Agribusiness Executives Seminar, Oregon State University-Washington State University, Skamania Lodge, Washington.
- Gopinath, M., and D. Laborde. 2008. *Implications for India of the 2008 WTO Draft Modalities*. Policy Paper on Agricultural Trade and Sustainable Development, International Center for Trade and Sustainable Development, Geneva, Switzerland.
- Gopinath, M., I. Sheldon and R. Echeverria. 2007. *Firm Heterogeneity and Trade: Implications for Agricultural and Food Industries*. Trade Policy Issues Paper No. 5, International Agricultural Trade Research Consortium.
- Gopinath, M., and H. Saito. 2006. *Evaluation of Hazelnut Marketing Board's Promotion Program*. Hazelnut Marketing Board, Portland, OR and Agricultural Marketing Service, US Department of Agriculture, Washington DC.
- Yavapolkul, N., M. Gopinath and A. Gulati. 2004. "Post-Uruguay Round Price Linkages Between Developed and Developing Countries: The Case of Rice and Wheat Markets." Discussion Paper No. 76, Markets, Trade and Institution Division, *International Food Policy Research Institute*, Washington DC.

- Buccola, S., and M. Gopinath. 2004. "Demand, Supply, and Trade: National and Northwest Raspberries, Blueberries, Strawberries, Sweet Corn, and Snap Beans," *Agricultural Marketing Resource Center, University of California-Agricultural Issues Center*, <http://www.agmrc.org/fruits/info/berriesbeans04.pdf>.
- Gopinath, M., K. Mullen and A. Gulati. 2004. "Domestic Support to Agriculture in the European Union and the United States: Policy Developments Since 1996," Discussion Paper No. 75, Markets, Trade and Institution Division, *International Food Policy Research Institute*, Washington DC.
- Huffman, W., E. Ball, M. Gopinath and A. Somwaru. 2002. "Public R&D and Infrastructure Policies: Effects on Cost of Midwestern Agriculture." In G. Norton and E. Ball (ed.) *Agricultural Productivity: Data, Methods, and Measures*, Boston: Kluwer Press.
- Gopinath, M. 2000. "Foreign Direct Investment in Food and Agricultural Sectors." In *Microbehavior and Macroresults*, Proceedings of the Tenth Biennial Conference of the International Institute of Fisheries Economics and Trade, Corvallis, OR.
- Gopinath, M., and T.L. Roe. 2000. "The Competitiveness of U.S. Agriculture." In D. Colyer, P.L. Kennedy, W. Amponsah, S. Fletcher and C. Jolly (ed.) *Competition in Agriculture: The United States in World Markets*, New York: Haworth Press.
- Shane, M.D., T.L. Roe, and M. Gopinath. 1998. *Growth and Productivity of U.S. Agriculture: An Economy Wide Perspective*. Agricultural Economics Report No. 758, Washington DC: Economic Research Service, U.S. Department of Agriculture.
- Gopinath, M., D. Pick, and U. Vasavada. 1998. "The Economics of Foreign Direct Investment and Trade with an Application to the U.S. Food Processing Industry." Working Paper No. 1, *International Agricultural Trade Research Consortium*.
- Gopinath, M., T.L. Roe, and M.D. Shane. 1998. "Sources of Growth and Competitiveness of U.S. Food Processing." In D. Pick, D. Henderson, I. Sheldon and J. Kinsey (ed.) *Global Markets for Processed Food Products: Theoretical and Practical Issues*, Boulder: Westview Press.
- Roe, T.L., and M. Gopinath. 1998. "World Trade Issues and Food Security." In V.L. Chopra, R.B. Singh and A. Varma (ed.) *Crop Productivity and Sustainability: Shaping the Future, Proceedings of the Second International Crop Science Congress*, New Delhi: Oxford & IBH Publishing Co. Ltd.
- Gopinath, M., T.L. Roe, and M.D. Shane. 1996. "Growth and Competitiveness of U.S. Food Processing: Linkages from Primary Agriculture." Staff Paper No. AGES 9608, *Economic Research Service*, U.S. Department of Agriculture.
- Gopinath, M., and T.L. Roe. 1996. "R&D Spillovers: Evidence from U.S. Food Processing, Farm Machinery and Agriculture." Bulletin 1996-2, *Economic Development Center*, University of Minnesota.

Gopinath, M., and T.L. Roe. 1995. "General Equilibrium Analysis of Supply and Factor Returns in U.S. Agriculture, 1949-91." Bulletin 1995-8, *Economic Development Center*, University of Minnesota.

Roe, T.L., and M. Gopinath. 1995. "Private Vs Public Incentives for Market Development Investments: Is there a Role for Public Policy?" In D. Padberg (ed.) *Public Policy in Foreign and Domestic Market Development*, College Station: Texas A&M Univ Press.

VI. SELECTED RESEARCH GRANTS/CONTRACTS/AWARDS

"Effect of Imports on Georgia's Fruits and Vegetables Industry" Georgia Vegetable Commission & Georgia Fruit and Vegetable Growers Association, PI. M. Gopinath, \$45,000 (2023-24).

"Analysis of Foreign Competition for U.S. Agricultural Exports." Foreign Agricultural Service-USDA, PI: M. Gopinath, \$50,000 (2022-2023).

"Volatility and Recovery Dynamics in Agricultural Trade" International Agricultural Trade Research Consortium, PI: M. Gopinath, Co-PI: Savin Khadka, \$35,000 (2021-2022).

"A Ranking of Factors Influencing U.S. Agricultural Exports Using Machine Learning and Artificial Intelligence" Foreign Agricultural Service-USDA, PI: M. Gopinath, \$75,000 (2021-2022).

"Integrated Assessment of Climate Change Impacts on Principal Crops and Farm Household Incomes in Southern India" *AgMIP*, Columbia University, PIs: P. Paramasivam, M. Gopinath and V. Geethalakshmi, \$400,000 (2012-2014).

"Graduate Education in the Economics of Mitigating and Adapting to Climate Change." *National Needs Fellowships*, National Institute of Food and Agriculture, US Department of Agriculture, PIs: S. Capalbo and M. Gopinath, \$241,000 (2012-2015).

"A Regional, Evaluative Approach to Pathway Assessment for Aquatic Invasive Species: Predicting Risks and Testing Solutions." *National Oceanic and Atmospheric Administration*, Washington DC, PIs: S. Brandt, P. Dalton, L. Duguay and R. Moll; Co-PIs: S. Chan, C. Culver, P. Granger, P. Grifman and M. Gopinath, \$416,000 (2010-2012).

"Trade Costs and Business Dynamics in the U.S. Processed Food Industry." *AFRI Competitive Grants Program* National Institute of Food and Agriculture, US Department of Agriculture, PI: M. Gopinath; Co-PIs: S. Buccola and J. Reimer, \$239,415 (2010-2012).

"A Predictive Approach to Risk Analysis and the Economics of Early Detection and Rapid Response for Aquatic Invasive Species." *Oregon Sea Grant-Competitive Grant*, PI: M. Gopinath; Co-PIs: M. Harte and S. Chan, \$179,268 (2010-2012).

“Improving WTO Transparency: Shadow Farm Support Notification for India.” International Food Policy Research Institute, Washington DC, PI: M. Gopinath, \$22,000 (2007-2001).

“Consumers’ Welfare and Competitive Effects from New Food Product Introductions.” *Cooperative Agreement* with Economic Research Service, US Department of Agriculture, Washington DC, PI: M. Gopinath, \$65,000 (2007-2011).

“How Do Location Decisions of Firms and Households Affect Economic Development In Rural America?” *NRI Competitive Grants Program*, CSREES, US Department of Agriculture, PIs: J. Wu and M. Gopinath, \$167,100 (2005-2007).

“Determinants and Welfare Implications of Federal and State Noxious Weed Regulations.” *PREISM Competitive Grant*, Economic Research Service, US Department of Agriculture, PI: M. Gopinath; Co-PIs: S. Buccola and P. McEvoy, \$85,000 (2004-2006).

“Domestic Support Policies of Developed Countries: Effects on Developing Countries.” International Food Policy Research Institute, Washington DC, PI: M. Gopinath, \$58,000 (2002-2005).

“Technological Change and Dynamic Comparative Advantage of U.S. Agriculture.” *NRI Competitive Grants Program*, CSREES, US Department of Agriculture, Washington DC, PI: M. Gopinath, \$80,000 (1999-2001).

“Cooperative's Export/Import Arrangements for High-Value Products.” *Cooperative Agreement* with Cooperative Marketing Division, Rural Business-Cooperative Service, US Department of Agriculture, Washington, DC, PIs: S. Buccola, C. Durham and M. Gopinath \$50,000 (1998-2000).

VII. PRESENTATIONS

Invited Presentations

Gopinath, M, “American Agriculture Needs Predictable and Equitable Trade Policies” Testimony to the U.S. Senate Agriculture Sub-Committee on Commodities, Risk Management and Trade, Washington DC, June 9, 2022.
<https://www.agriculture.senate.gov/hearings/agricultural-trade-priorities-and-issues-facing-americas-farmers>

Gopinath, M., “Commodity Market Impacts of the Russia-Ukraine Conflict” *Understanding Ukraine*, Deans’ Council Webinar, University of Georgia, March 17, 2022.
([a recording of the event here.](#))

Gopinath, M. “Does Trade Policy Uncertainty Affect Agriculture?” *American Agricultural Economics Association* (Virtual) Annual Meeting, Invited Paper, August 10, 2020.

- Gopinath, M., and F. Batarseh. "Application of Machine Learning and Artificial Intelligence to Economic Forecasting." IAMO Forum 2020, Plenary Session, June 24, 2020 (online).
- Pre-conference interview: <https://forum2020.iamo.de/what-our-speakers-say/gopinath-munisamy/>
- Gopinath, M., F. Batarseh and J. Beckman. "Machine Learning in Gravity Models: An Application to Agricultural Trade" NBER Conference on Agricultural Markets and Trade Policy, May 1, 2020.
- Gopinath, M. "Gains from Trade: Mainstream versus Main Street." Silver Jubilee Distinguished Lecture Series, Madras School of Economics, March 2018.
- Gopinath, M. "Tax Reform and U.S. Agriculture" Allied Social Sciences Association, AAEA Session, January 5, 2018 Philadelphia, PA (cited in *NY Times* article, January 7, 2018).
- Gopinath, M. "U.S. Farm Bill"
- Global Strategy and Journal, 10th Anniversary Meetings, Seoul, Korea, November 5, 2015 (with Anne Effland)
 - Committee for Agriculture, Organization for Economic Cooperation and Development, Paris, May 7, 2014.
- Gopinath, M., and J. Dyck. "In Search of Emerging Markets for Agricultural Trade." Policy Research Institute, Ministry of Agriculture, Forestry and Fisheries, Government of Japan, October 29, 2015.
- Heerman, K., S. Arita and M. Gopinath. 2015. Asia Pacific Integration Led by China vs. United States: Examining Trade Patterns under Heterogeneous Agricultural Sectors. Principal Paper Session, Annual Meeting of the *Allied Social Sciences Association*, AAEA Section, January 2015, Boston, MA.
- Gopinath, M. and H. Moon. "Trade Costs and Regional Productivity in Indian Manufacturing." In *Firm Responses to Economic Reforms in China and India*, University of International Business and Economics-Syracuse University Symposium, Beijing, China, June 11-14, 2010.
- Also at Department of Agricultural Economics, Purdue University, March 2012
- Gopinath, M. "Opportunities and Challenges for Agricultural Trade Reform in the Doha Round." Keynote Address to *XIV Congress of Agricultural Economics*, November 5, 2009, Vina del Mar, Chile.
- Gopinath, M. "Domestic Support Policies of Developing Countries and WTO Disciplines." In *Understanding International Disciplines on Agricultural Domestic Support*, Session 12, Public Forum, World Trade Organization, September 29, 2009 Geneva, Switzerland.

Gopinath, M. "Implications of Draft WTO Agricultural Modalities for India." In *How Might the Draft Doha Deal on Agriculture Affect Developing Countries? An Examination of the Chair's 'Modalities.'* International Center for Trade and Sustainable Development, July 15, 2009, Geneva, Switzerland.

Gopinath, M., and T. L. Roe. "Economic Impact of Rising Agricultural Commodity Prices." Issue Paper Presented at the *Pacific Northwest Agribusiness Executives Seminar*, Oregon State University-Washington State University, November 16, 2008, Skamania Lodge, Washington.

Gopinath, M. "Trade Costs, Productivity and the Spatial Distribution of Economic Activity." *Madras School of Economics*, July 23, 2007, Chennai, India.

Gopinath, M. "Farm Heterogeneity and Export Production: The Case of Chile." *Korea Rural Economics Institute and Seoul National University's Department of Agricultural Economics and Rural Sociology*, March 24th and 26th, 2007, Seoul, Korea.

Gopinath, M. "Stakeholders in Invasive Species Regulation: The Case of Noxious Weeds." *C-FARE Briefing at CSREES, US Department of Agriculture and Rayburn House Office Building, US Congress*, May 2006, Washington DC.

Gopinath, M. and R. Echeverria. "Does Economic Development Impact the Foreign Direct Investment-Trade Relationship? A Gravity Model Approach." Principal Paper Session, Annual Meeting of the *Allied Social Sciences Association, AAEA Section*, January 2004, San Diego, CA.

Gopinath, M. "International Food Policy." *Greater Decisions Speaker Series of the World Affairs Council of Oregon*, February 2003, Portland, OR.

Gopinath, M. and P.L. Kennedy. "Agricultural Trade and Productivity Growth: A State-Level Analysis." Principal Paper Session, Annual Meeting of the *American Agricultural Economics Association*, August 2000, Tampa, FL.

Gopinath, M., D. Pick, and U. Vasavada. "Exchange Rate Effects on the Relationship between FDI and Trade in the U.S. Food Processing Industry." Principal Paper Session, Annual Meeting of the *American Agricultural Economics Association*, August 1998, Salt Lake City, UT.

Roe, T.L., and M. Gopinath. "World Food Security: Issues and Prospects." *Second International Crop Science Congress*, National Academy of Agricultural Sciences, November 1996, New Delhi, India.

Media/Popular Press/Testimonies

Interviewed for "From Georgia to the World." *Georgia Trend*, July 2023:
<https://www.georgiatrend.com/2023/06/27/from-georgia-to-the-world/>

Gopinath, M. "Georgia's Agricultural and Rural Economy Outlook" Ag Issues Summit, House-Senate Agriculture and Consumer Affairs Committee, Perry, Georgia, August 30, 2022.

Interviewed for "Farmers Feeling the Effects of Russia-Ukraine Conflict" April 6, 2022. <https://www.gfb.org/media-and-publications/news.cms/2022/1242/farmers-feeling-effects-of-russia-ukraine-conflict>

Interviewed for "Avoid potential holiday shortages by shopping early, local" UGA-CAES News, November 18, 2021. <https://newswire.caes.uga.edu/story/8800/holiday-food-supply.html>.

Gopinath, M. "State of the Ag Economy: Current and Upcoming Challenges" House Agriculture and Consumer Affairs Committee, Atlanta, Georgia, November 16, 2021.

Interviewed for "Florida Farmers Still Hurting Even After New Trade Agreement with Mexico-Canada," WFSU Sep. 3, 2021. <https://news.wfsu.org/state-news/2021-09-03/florida-farmers-still-hurting-event-after-new-trade-agreement-with-mexico-canada>.

Gopinath, M., and J. H. Dorfman, "South Eastern United States Outlook: Opportunities for Small and Medium Enterprises." 2021 SEUS-Canada Webinar, Georgia Department of Economic Development, May 11, 2021.

Interviewed for "Georgia Produce Farmers Seek Trade Relief," NPR Market Place, Aug. 31, 2020. <https://www.marketplace.org/2020/08/31/georgia-produce-farmers-trade-relief-usmca/amp>.

Testimony on the Impact of Imports on Georgia's Fruit and Vegetable Industry, Virtual Hearing by USTR, USDA and USDC, August 20, 2020.

UGA Today: Gopinath, M. (with C. Zhen), Why are the Grocery Store Shelves Empty? <https://news.uga.edu/ag-economist-covid-impact-food-markets/> April 13, 2020
AgMorningClips (repurposed): <https://www.morningagclips.com/why-are-the-grocery-store-shelves-empty/>

Atlanta Biz Channel: TV Expert Panel Discussion on Phase 1 U.S. - China Deal, (11Alive), January 26, 2020
<https://www.11alive.com/video/entertainment/television/programs/atlanta-business/phase-one-of-us-china-trade-deal/85-019206d3-4ef5-4f7a-8472-f9ed22a70cdc>

Farm Monitor, TV Interview on Phase 1 U.S. - China Deal, February 7, 2020
<https://www.farm-monitor.com/video/?show=b49DUYvMekc>

USDA Blog: Christensen, C., and Gopinath, M. "Exploring Global Agricultural Trade Information from USDA's Economic Research Service," May 5, 2018
<https://www.usda.gov/media/blog/2018/05/09/exploring-global-agricultural-trade-information-usdas-economic-research>

Gopinath, M. "Priorities for Agricultural Trade Research" C-FARE – AAEA Symposium, National Press Club, April 6, 2017 Washington DC.
<https://www.youtube.com/watch?v=d3V0Jrs6f2M>

Moderator of IFPRI at 40: Markets and Trade Program, Washington DC
<https://www.youtube.com/watch?v=P2RN9gybJ-0>, November 8, 2015.

Arnade, C., M. Gopinath and D. Pick. 2009. "Consumers Show Strong Brand Loyalty in Cheese Purchases." *Amber Waves*, Economic Research Service, U.S. Department of Agriculture, June Issue.

The Business Line (The Hindu), Interviewed for "Spatial Balance of India's Economic Development Unclear." August 4th, 2007.

Gopinath, M. 1999. "World Food Security: Prospects for APEC Economies." *National Center for APEC*, Seattle, WA.

Gopinath, M. 1998. "International Trade: Pacific Northwest Agricultural Situation and Outlook." *The Capital Press*, January Issue, Salem, OR.

Roe, T.L., and M. Gopinath. 1998. "The 'Miracle' of U.S. Agriculture." *Minnesota Agricultural Economist*, Spring Issue, St. Paul, MN.

Annual Meeting Presentations

Annual Meeting of the *Agricultural and Applied Economics Association*.

Adhikari, S., Poudel, D., and M. Gopinath. "Policy Effects on Global Palm Oil Trade: A Gravity Model Approach." Selected Presentation, July 2023, Washington DC.

Balaji, S.J., and M. Gopinath. "Spatial Growth and Convergence in Indian Agriculture." Selected Presentation, July 2023, Washington DC

Khanal, A., and M. Gopinath. "Impact of Fresh Blueberry Imports on Domestic Industry." Selected Presentation, July 2023, Washington DC

Khadka, S., and M. Gopinath. "Anomalies and Recoveries in Agricultural Trade" Selected Presentation, July 2022, Anaheim, CA.

Gopinath, M. - Discussant on "Achieving Agricultural Sustainability." Organized Session, July 2022, Anaheim, CA.

Jeong, S., M. Gopinath and F. Batarseh. "Machine Learning in Gravity Models: An Application to Global Beef Trade." Track Session (International-Econometrics), August 2021, Austin, TX.

Gopinath, M., and S. Khadka. "Policy Uncertainties and Agricultural Trade." Track Session (International), August 2021, Austin, TX.

- Khadka, S., and M. Gopinath. "Determinants of Economic Growth: A Reinforcement Learning Approach." Poster Presentation, August 2021, Austin, TX.
- Gopinath, M. "Trade Policies: Can they Achieve Environmental Outcomes" in Non-Trade Concerns in Agriculture, EAAE Session, Chicago, IL, August 2017.
- Gopinath, M. and R. Landes. "India's Role in the Global Trading System." July 2015, San Francisco, CA.
- Lim, Y., M. Gopinath, S. Chan and M. Harte. "Predicting Potential Invasive Species Distribution: Application to New Zealand Mudsnaills in the Pacific Northwest." July 2011, Pittsburgh, PA.
- Wu, Q., and M. Gopinath. "Trade Costs in Processed Food Industries." July 2011, Pittsburgh, PA.
- Kim, S., J. Reimer and M. Gopinath. "The Impact of Trade Costs on Firm Entry, Exporting, and Survival in Korea." July 2009, Milwaukee.
- Ruan, J., and M. Gopinath. "Global Productivity Distribution and Trade in Processed Food Industries." July 2007, Portland, OR.
- Kim, H, M. Gopinath and J-K. Kim. "Competition between China and the United States in Korean Food Markets." July 2007, Portland, OR.
- Gopinath, M., H. Kim and S. Kim. "Productivity Before and After Exports: The Case of Korean Food Processing Firms." July 2006, Long Beach, CA.
- Min, H., M. Gopinath, S. Buccola and P. McEvoy. "Rent-Seeking in Noxious Weed Regulations: Evidence from U.S. States." July 2006, Long Beach, CA.
- Ruan, J., M. Gopinath and S. Buccola. "Welfare Effects of Productivity Convergence in Processed Food Industries." July 2006, Long Beach, CA.
- Wu, J. and M. Gopinath. "How Do Location Decisions of Firms and Households Affect Economic Development in Rural America?" July 2005, Providence, RI.
- Gopinath, M., D. Pick, and T. Worth. "Price Variability and Industrial Concentration in Food Industries." August 2000, Tampa, FL.
- Roe, T.L., M. Gopinath and X. Diao. "Growth Theory and Accounting for Growth in U.S. Agriculture." August 1999, Nashville, TN.
- Carver, J., and M. Gopinath. "Technological Change and International Agricultural Specialization." August 1999, Nashville, TN.
- Arnade, C. and M. Gopinath. "Financial Constraints and Output Targets in Russian Agricultural Production." August 1998, Salt Lake City, UT.
- Gopinath, M., and T.L. Roe. "Evidence of Market Failure from R&D Spillovers in U.S. Agriculture and Food Processing." July 1997, Toronto, Canada.
- Gopinath, M., and U. Vasavada. "Patents, R&D and Market Structure in the U.S. Food Processing Industry." July 1997, Toronto, Canada.
- Gopinath, M., C. Arnade, M.D. Shane, and T.L. Roe. "Agricultural Competitiveness: The Case of the U.S. and Major EU Countries." July 1997, Toronto, Canada.
- Arnade, C., D. Pick, and M. Gopinath. "Testing Oligopoly Power in Domestic and Foreign Markets." July 1997, Toronto, Canada.
- Gopinath, M., and T.L. Roe. "Growth and Competitiveness of U.S. Agriculture: A General Equilibrium Analysis." August 1995, Indianapolis, IN.

Annual Meeting of the *International Agricultural Trade Research Consortium*

- Khadka, S., M. Gopinath and F. Batarseh. "Shifting Alliances – Friendshoring in Agricultural Trade." December 2023, Clearwater Beach, FL.

- Poudel, D., and M. Gopinath. "Political Instability and Undernourishment: Nepal's Decade-Long Insurgency." December 2023, Clearwater Beach, FL.
- Gupta, N., P. Varma and M. Gopinath. "Post-Reform Agricultural Market Integration: The Case of Indian Mandis." December 2022, Clearwater Beach, FL.
- Gopinath, M. Discussant Comments on "Economic Geography of Global Warming" by Esteban Rossi-Hansberg, University of Chicago, December 2021, San Diego, CA.
- Khadka, S., M. Gopinath and F. Batarseh. "Volatility and Recovery Dynamics in Agricultural Trade" December 2021, San Diego, CA.
- Gopinath, M. and T.L. Roe. Discussant Comments on "Retrospective on AGE Model" by Tim Kehoe, University of Minnesota, December 2019, Washington DC.
- Gopinath, M. and J. H. Dorfman. "Costs to Global Agriculture from Recent Trade Disputes" December 2019, Washington DC
- Gopinath, M., F. Batarseh and J. Beckman. "Can Machine Learning Help Predict Agricultural Trade Patterns?" December 2019, Washington DC.
- Gopinath, M. Discussant Comments on "Consumption Gains from Trade" by Amit Khandelwal, Columbia University, December 2017, Washington DC.
- Gopinath, M. Discussant Comments on "Product Variety and Gains from Trade" by Robert Feenstra, UC-Davis, December 2010, Berkeley, CA.
- Saito, H., and M. Gopinath. "Spatial Concentration of Skilled Labor: The Case of Chilean Manufacturing." January, 2008, Washington DC.
- Gopinath, M. "Lessons from Research on Linkages between Trade and Environment." In "Meeting Society's Demands for Agriculture: Reconciling Trade and Market Failures," December 2006, St. Petersburg, FL.
- Gopinath, M. "Explaining Agricultural Trade Patterns of OECD Countries," December 1999, New Orleans, LA.
- Gopinath, M., D. Pick and U. Vasavada. "The Economics of Foreign Direct Investment and Trade in the U.S. Food Processing Industry," December 1997, San Diego, CA.
- Gopinath, M., T.L. Roe and M. Shane. "General Equilibrium Analysis of Growth and Competitiveness of U.S. Agriculture." December 1995, Tucson, AZ.

Annual Meeting of the *Western Agricultural Economics Association*.

- Ruan, J., M. Gopinath and S. Buccola. "Productivity Growth and Competitiveness: The Case of U.S. Processed Fruits and Vegetables Industry." June 2006, Anchorage, AK.
- Gopinath, M., D. Pick and Y. Li. "Does Industrial Concentration Raise Productivity in Food Industries?" July 2002, Long Beach, CA.

Other Presentations

- Gopinath, M., A. Khanal and D. Poudel. "The Imported Challenge: Economic Impact of Fresh Fruit and Vegetable Imports on U.S. Producers." *Georgia Farm Bureau Convention*, Dec. 3-5, Jekyll Island, GA.
- Gopinath, M., and S. Khadka. "Shifting Alliances and Global Supply Chains" 2023 *U.S.-China Trade and Security Forum*, Center for International Trade and Security, School of Public and International Affairs, University of Georgia, Nov. 30, 2023.
- Poudel, D., and M. Gopinath. "Political Instability and Undernourishment: Nepal's Decade-Long Insurgency." USDA/ERS-UNL/Yuetter Institute Conference on Food Security, Sep. 14-15, Kansas City, Mo.
- Kalli, S., M. Gopinath, Y. Liu and B. Karali. "Market Integration and Price Transmission

- Among Major Cotton Trading Countries.”
- Belt-wide Cotton Conference, March 2023
 - NCC-134 Conference, May 2023.
- Y. Wang, J. Chandrasekaran, F. Haberkorn, Y. Dong, M. Gopinath and F. A. Batarseh, "DeepFarm: AI-Driven Management of Farm Production using Explainable Causality," *2022 IEEE 29th Annual Software Technology Conference (STC)*.
- Gopinath, M., and S. Khadka. "Supply Chains: Ongoing and Upcoming Challenges" *2022 Energy Security Conference*, Center for International Trade and Security, School of Public and International Affairs, University of Georgia, April 27, 2022.
- Gurrapu*, S., F. A. Batarseh, P. Wang, M. N. Kabir Sikder, N. Gorentala* and M. Gopinath. 2021 "DeepAg: Deep Learning Approach for Measuring the Effects of Outlier Events On Agricultural Production and Policy," *2021 IEEE Symposium Series on Computational Intelligence (SSCI)*.
- Gopinath, M., and F. Batarseh. "Application of Machine Learning to Economic Analysis." *Phenomics and Plant Robotics Center (PPRC) Fall Symposium*, University of Georgia, Athens, Sep. 17, 2021.
- Balaji, S.J., and M. Gopinath. "Spatial Income Disparities and Agricultural Development in India." Contributed Paper, *31st International Conference of Agricultural Economists, IAAE*, August 2021, online.
- Monken, A., F. Haberkorn, M. Gopinath, L. Freeman and F. Batarseh. "Graph Neural Networks for Modeling Causality in International Trade." *Thirty-Fourth International Florida Artificial Intelligence Research Society Conference*, May 2021, Miami, FL.
- Batarseh, F., and M. Gopinath. "Economic Policy and Governance During Pandemics Using AI." *Association for Advancement of Artificial Intelligence (AAAI), Fall Symposium Series* November 14, 2020, Online.
- Batarseh, F., M. Gopinath, G. Nalluru and J. Beckman. "Application of Machine Learning in Forecasting International Trade Trends." *Association for Advancement of Artificial Intelligence (AAAI), Fall Symposium Series* November 8, 2019, Arlington, VA.
- Gopinath, M. "WTO Agricultural Domestic Support Disciplines: The Case of India and China." Organized Symposium, *28th International Conference of Agricultural Economists, IAAE*, August 2012, Foz Do Iguacu, Brazil.
- Gopinath, M. "One Price for Carbon? International Coordination of Climate Change Policies." Organizer and Moderator, International Track Session (IATRC), Annual Meeting of the *American Agricultural Economics Association*, July 2011, Pittsburgh, PA.
- Lim, Y., M. Gopinath, S. Chan and M. Harte. "A Quantitative Approach to Invasive Species Risk Assessment and Management." Western Sea Grants' Regional Invasive Species Project Workshop, June 2011, Scripps Institute, San Diego, CA.
- Gopinath, M. "Exchange Rates, Prices and Agricultural Trade: What Have We learned?" Co-Organizer and Discussant, International Track Session (IATRC), Annual Meeting of the *American Agricultural Economics Association*, July 2010, Denver, CO.
- Gopinath, M. "Empirical Contributions to New Economic Geography." International Track Session (IATRC) Honoring Paul Krugman, Annual Meeting of the *American Agricultural Economics Association*, Milwaukee, WI, July 2009.

- Gopinath, M. "Domestic Support Policies in the Doha Round: The Case of Developing Countries." Hewlett Fellow Capacity Strengthening Workshop, Summer Symposium of the International Agricultural Trade Research Consortium, Seoul National University, June 2008, Korea.
- Gopinath, M. "Domestic Support Policies of India" Conference on *Draft Agriculture Modalities for the Doha Round: Taking Stock of the Trade and Development Implications*, International Center for Trade and Sustainable Development, March 2008, Geneva.
- Echeverria, R. and M. Gopinath. "Geographic Concentration of Economic Activity: The Case of Chile." In *China's Agricultural Trade: Prospects and Issues*, Summer Symposium of the International Agricultural Trade Research Consortium, July 2007, Beijing, China.
- Echeverria, R., and M. Gopinath. "Productivity, Geography and the Export Production of Chilean Farms." Annual Meeting of the *International Association of Agricultural Economists*, August 2006, Gold Coast, Australia.
- Gopinath, M., D. Pick and T. Worth. "Price Variability and Industrial Concentration in U.S. Food Industries." In *The American Consumer in the Changing Food System*, Economic Research Service, US Department of Agriculture, April 2000, Washington DC.
- Gopinath, M., and P. Mukti Upadhyay. "Neoclassical Trade, International Specialization, and DC-LDC Divide." Annual Meeting of the *Midwestern Economics Association*, April 2000, Chicago, IL.
- Gopinath, M., T.L. Roe, and M.D. Shane. "Sources of Growth and Competitiveness of U.S. Food Processing." In *Global Markets for Processed Food Products: Theoretical and Practical Issues*, Summer Symposium of the International Agricultural Trade Research Consortium, June 1996, Minneapolis, MN.

VIII. TEACHING AND ADVISING

Graduate Level

- International Agricultural Trade and Policy (UGA and Oregon State)
- Econometrics (Oregon State)
- International Economics (Portland State)

Undergraduate Level

- Agricultural Policy (UGA)
- Agricultural Markets and Trade (Oregon State)

Graduate Students and Other Advising Duties

Major Professor

- UGA: *Current PhD (2 students) and Master's (1 student)*
- UGA: *Completed PhD (1) and Master's (6) students*
 - *PhD: Sei Jeong*
 - *MS: Ashish Adhikari, Shweta Adhikari, Bimal Karki, Ajit Khanal, Susmitha Kalli and Dikshit Poudel.*
- Oregon State: *Completed PhD (12) and Master's (6) students*
 - *PhD: Flavius Badau, Weiyen Chen, Jangho Choi, Rodrigo Echeverria, Sooil Kim, Youngah Lim, Hanpil Moon, He Min, Jun Ruan, Hisamitsu Saito, and Chun Kwon Yoo.*
 - *MS: Jason Carver, Rishi Deka, Alison Ma, Yonghai Li, Gordon Smith, and Navin (Tar) Yavapolkul.*

Member of Thesis and Final Defense Committee

UGA: *Master's (2) and PhD (3) and External Examiner (2, AU-India)*

Oregon State: *Completed Master's (14), PhD students (14) and External Examiner (2)*

Post-Doctoral Fellows/Visitors

UGA (1)

S.J. Balaji (Fulbright-Nehru Scholar), India

Oregon State (6)

Hiroyo Akimoto, Japan; Hanho Kim, Korea; K.V. Asha Latha, India;

K. Mahendran, India; Jae-Kyung Kim, Korea; Youngah Lim, Korea