

CURRICULUM VITA

AMANI E. ELOBEID

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EDUCATION

Ph.D. Economics with minor in Statistics, Iowa State University, Ames, IA, May 2001
Fields of Specialization: International Trade, International Finance, Agricultural Policy
Major Professors: Dr. Stanley R. Johnson and Dr. Dermot J. Hayes
Dissertation Title: Political institutions and chronic food insecurity in developing countries:
An empirical analysis

M.S. Economics, Iowa State University, Ames, IA

B.S. Economics (Honors), University of Khartoum, Khartoum, Sudan

RESEARCH INTEREST

Agricultural Economics, Agricultural Policy, Renewable Fuels and Energy, International Trade

PROFESSIONAL EXPERIENCE

Teaching Professor, Ron and Lynn Deiter Endowed Chair for Sustaining Excellence in Agricultural Business, Department of Economics, Iowa State University, Ames, IA, August 2021 to present

Adjunct Associate Professor and Academic Advisor, Department of Economics, Iowa State University, Ames, IA, August 2020 to present

Principles of Economics Coordinator, Department of Economics, Iowa State University, Ames, IA, August 2020 to present

Adjunct Assistant Professor and Academic Advisor, Department of Economics, Iowa State University, Ames, IA, August 2016 to July 2020

Lecturer and Academic Advisor, Department of Economics, Iowa State University, Ames, IA, August 2014 to July 2016

Scientist, Center for Agricultural and Rural Development, Iowa State University, Ames, IA, September 2012 to August 2014

Associate Scientist, Center for Agricultural and Rural Development, Iowa State University, Ames, IA, May 2004 to September 2012

Assistant Scientist, Center for Agricultural and Rural Development, Iowa State University, Ames, IA, May 2002 to May 2004

Research Assistant, Center for Agricultural and Rural Development, Iowa State University, Ames, IA May 2001 to May 2002

Graduate Research Assistant, Center for Agricultural and Rural Development, Iowa State University, Ames, IA, August 1991- August 1998

COLLEGE TEACHING EXPERIENCE

Department of Economics, Iowa State University, Ames, Iowa.

Classes taught

- Principles of Macroeconomics
- Principles of Microeconomics
- Money, Banking and Financial Institutions
- Introduction to Agricultural Markets
- Planning in Developing Countries, Department of Community and Regional Planning
- Study Abroad to the United Arab Emirates
- Economics component of Socioeconomic Global Resource Systems

HONORS AND AWARDS

Iowa State University, Ames, IA

- 2020 College of Agriculture and Life Sciences Excellence in Teaching by Lecturers and Adjunct Faculty Award, March 2020
- University Professional and Scientific Research Award, Iowa State University, May 2014
- Professional and Scientific Research Award, College of Agriculture and Life Sciences, January 2013
- International Award, 1994, in recognition of qualities of leadership, character and personality, Faculty Women's Club, Iowa State University
- Exemption from Microeconomics Ph. D. Preliminary (Qualifying) Exam, August 1992
- Earl Heady Award in Economics, August 1991, to acknowledge superior scholastic performance in Agricultural Economics

Fulbright Scholarship, 1989, to pursue a Master's degree in Economics in the United States

University of Khartoum, Khartoum, Sudan

- Honors Degree in Economics
- University Prize for Best B.S. (Honors) Student in the Department of Economics
- Sayed Mohamed Saeed Agabani Prize for Best Student in Economics
- Late Samir Hamad El Neel Prize for Best Preliminary Student, Faculty of Economic and Social Studies

PEER REVIEWED PUBLICATIONS

He, Xi, Miguel Carriquiry, **Amani Elobeid**, Dermot Hayes, and Wendong Zhang. 2023. “Impacts of the Russian-Ukraine Conflict on Global Agriculture Commodity Prices, Trade, and Cropland Reallocation.” *Choices*, Volume 38, Quarter 2.

Carriquiry, Miguel., Jerome Dumortier, and Amani Elobeid. 2022. “Trade scenarios compensating for halted wheat and maize exports from Russia and Ukraine increase carbon emissions without easing food insecurity.” *Nature Food*, <https://doi.org/10.1038/s43016-022-00600-0>.

Dumortier, Jerome, Miguel Carriquiry, and **Amani Elobeid**. 2022. “Interactions between U.S. Vehicle Electrification, Climate Change, and Global Agricultural Markets.” *Environmental and Resource Economics*, <https://doi.org/10.1007/s10640-022-00716-8>.

He, Xi, Miguel Carriquiry, **Amani Elobeid**, Dermot Hayes, Minghao Li, and Wendong Zhang. 2022. “China’s Corn and Biofuel Policies and Agricultural Trade: Projections from an International Agricultural Commodity Market Model.” *AgriBusiness*, DOI: 10.1002/agr.21764

Dumortier, Jerome, **Amani Elobeid**, and Miguel Carriquiry. 2022. “Light-Duty Vehicle Fleet Electrification in the United States and its Effects on Global Agricultural Markets.” *Ecological Economics* Volume 200, 2022, 107536, ISSN 0921-8009. <https://doi.org/10.1016/j.ecolecon.2022.107536>.

Dumortier, Jerome, Miguel Carriquiry, and **Amani Elobeid**. 2021. “Impact of Climate Change on Global Agricultural Markets under Different Shared Socioeconomic Pathways.” *Agricultural Economics*, 1–22, DOI: 10.1111/agec.12660.

Elobeid, Amani, Miguel Carriquiry, Jerome Dumortier, David Swenson, and Dermot Hayes. 2021. “China-U.S. trade dispute and its impact on global agricultural markets, the U.S. economy, and greenhouse gas emissions.” *Journal of Agricultural Economics*, 00:1-26, DOI: 10.1111/1477-9552.12430.

Dumortier, Jerome, and **Amani Elobeid**. 2021. “Effects of a Carbon Tax in the United States on Agricultural Markets and Carbon Emissions from Land-Use Change.” *Land Use Policy*, Volume 102, <https://doi.org/10.1016/j.landusepol.2021.105320>

Dumortier, Jerome, Miguel Carriquiry, and **Amani Elobeid**. 2021. “Where does all the biofuel go? Fuel efficiency gains and its effects on global agricultural production.” *Energy Policy*, Volume 148, Part A, January 2021, <https://doi.org/10.1016/j.enpol.2020.111909>

Dumortier, Jerome, Hamze Dokoohaki, **Amani Elobeid**, Dermot J. Hayes, David Laird, and Fernando E. Miguez. 2020. "Global land-use and carbon emission implications from biochar application to cropland in the United States." *Journal of Cleaner Production*, Volume 258, 10 June 2020; <https://doi.org/10.1016/j.jclepro.2020.120684>

Kenneth J. Moore, Robert P. Anex, **Amani E. Elobeid**, Shuizhang Fei, Cornelia B. Flora, A. Susana Goggi, Keri L. Jacobs, Prashant Jha, Amy L. Kaleita, Douglas L. Karlen, David A. Laird, Andrew W. Lenssen, Thomas Lübberstedt, Marshall D. McDaniel, D. Raj Raman, Sharon L. Weyers. 2019. "Regenerating Agricultural Landscapes with Perennial Groundcover for Intensive Crop Production." *Agronomy*, 9, 458; doi:10.3390/agronomy9080458.

Carriquiry, Miguel, **Amani Elobeid**, Jerome Dumortier, and Ryan Goodrich. 2019. "Incorporating sub-national Brazilian agricultural production and land-use into U.S. biofuel policy evaluation." *Applied Economic Perspectives and Policy*, ppy033, <https://doi.org/10.1093/aep/ppy033>.

Cooter, EJ, R. Dodder, J. Bash, **A. Elobeid**, L. Ran, V. Benson, and D. Yang. 2017. "Exploring a United States Maize Cellulose Biofuel Scenario Using an Integrated Energy and Agricultural Markets Solution Approach." *Annals of Agricultural and Crop Sciences*, Volume 2, Issue 2.

Dodder, Rebecca, S., Pervin O. Kaplan, **Amani Elobeid**, Simla Tokgoz, Silvia Secchi, and Lyubov A Kurkalova. "Impact of energy prices and cellulosic biomass supply on agriculture, energy, and the environment: an integrated modeling approach." *Energy Economics*, Volume 51: 77-87, September 2015, doi:10.1016/j.eneco.2015.06.008.

Beghin, J. and **A. Elobeid**. "The Impact of the U.S. Sugar Program Redux." *Applied Economic Perspectives and Policy*, (2014) doi: 10.1093/aep/ppu028.

Elobeid, Amani, Miguel Carriquiry, Jerome Dumortier, Francisco Rosas, Kranti Mulik, Jacinto F. Fabiosa, Dermot J. Hayes, and Bruce A. Babcock. "Biofuel Expansion, Fertilizer Use and GHG Emissions: Unintended Consequences of Mitigation Policies." *Economics Research International*, Volume 2013, Special Issue on the Economics of Bioenergy, Article ID 708604, <http://dx.doi.org/10.1155/2013/708604>.

Elobeid, A., S. Tokgoz, R. Dodder, T. Johnson, O. Kaplan, L. Kurkalova, and S. Secchi. "Integration of agricultural and energy system models for biofuel assessment." *Environmental Modelling & Software*, Volume 48: 1-16, October 2013.

Elobeid, A., M. A. Carriquiry, and J.F. Fabiosa. "Land-Use Change and Greenhouse Gas Emissions in the FAPRI-CARD Model System: Addressing Bias and Uncertainty." *Climate Change Economics*, August 2012, Vol. 03, No. 03 (doi:10.1142/S2010007812500145)

Dumortier, J., Dermot J. Hayes, Miguel Carriquiry, Fengxia Dong, Xiaodong Du, **A. Elobeid**, Jacinto F. Fabiosa, Pamela A. Martin, and Kranti Mulik. "The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions." *Environmental Research Letters*, 7(2) 7 024023 doi:10.1088/1748-9326/7/2/024023, June 2012.

Dumortier, J., D.J. Hayes, M. Carriquiry, F. Dong, X. Du, **A. Elobeid**, J.F. Fabiosa, and S. Tokgöz. "Sensitivity of Carbon Emission Estimates from Indirect Land-Use Change." *Applied Economic Perspectives and Policy*, 2011:1-21, DOI: 10.1093/aep/pper015.

LeRoy, D., **A. Elobeid**, and K. Klein. "The Impact of Trade Barriers on Mandated Biofuel Consumption in Canada." *Canadian Journal of Agricultural Economics* 2011:1–18, DOI: 10.1111/j.1744-7976.2011.01223.x

Fabiosa, J.F., J.C. Beghin, F. Dong, **A. Elobeid**, S. Tokgöz, and T. Yu. "Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model". *Land Economics*, 86(4):687-706, November 2010.

Brookes, G., T. Yu, S. Tokgöz, and **A. Elobeid**. "The Production and Price Impact of Biotech Corn, Canola, and Soybean Crops," *AgBioForum*, 13(1):1-15, 2010.

Hayes, D.J., B.A. Babcock, J. Fabiosa, S. Tokgöz, **A. Elobeid**, T. Yu, F. Dong, C. Hart, W. Thompson, S. Meyer, E. Chavez, and S. Pan. October 2008. "Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers," *Journal of Agriculture and Applied Economics*, 41(2):465-491, August 2009.

LeRoy, D., **A. Elobeid**, and K. Klein. "Barriers to Trade in Biofuel in North America: Effects on the Development of a Biofuel Industry in Canada," Canadian Agricultural Trade Policy Research Network, CATPRN Commissioned Paper CP 2008.

Tokgöz, S., **A. Elobeid**, J. Fabiosa, D.J. Hayes, B.A. Babcock, T. Yu, F. Dong, and C.E. Hart, "Bottlenecks, Drought and Oil Price Spikes: Impact on U.S. Ethanol and Agricultural Sectors." *Review of Agricultural Economics*, 30(4), 2008.

Elobeid, A., and S. Tokgöz. "Removing Distortions in the U.S. Ethanol Market: What Does It Imply for the United States and Brazil?" *American Journal of Agricultural Economics*, 90(4):918-932, 2008.

Searchinger, T., R. Heimlich, R. Houghton, F. Dong, **A. Elobeid**, J. Fabiosa, S. Tokgöz, and T. Yu. "Factoring Greenhouse Gas Emissions from Land Use Change into Biofuel Calculations." *Science*, February 2008.

Abler, D., J.C. Beghin, D. Blandford, and **A. Elobeid**. "Changing the U.S. Sugar Program into a Standard Crop Program: Consequences under NAFTA and Doha." *Review of Agricultural Economics*, 30(1):82-102, 2008.

Elobeid, A. and C.E. Hart. “An Analysis of Ethanol Expansion in the Food versus Fuel Debate: How Will Developing Countries Fare?” *Journal of Agricultural and Food Industrial Organization*, 5(2), Article 6, 2007.

Fabiosa, J.F, J. Beghin, F. Dong, **A. Elobeid**, F. Fuller, H. Matthey, S. Tokgöz, and E. Wailes. “The Impact of the European Enlargement and CAP Reforms on Agricultural Markets. Much Ado about Nothing?” *Journal of International Agricultural Trade and Development*, 3(1):57-69, 2007.

Elobeid, A. and J.C. Beghin. “Multilateral Trade and Agricultural Policy Reforms in Sugar Markets.” *Journal of Agricultural Economics*, 57(1):23-48, 2006.

Elobeid, A., S.Tokgöz, D.J. Hayes, B.A. Babcock and C.E. Hart. “The Long-Run Impact of Corn-Based Ethanol on the Grain, Oilseed, and Livestock Sectors with Implications for Biotech Crops.” *AgBioForum*, 9(4):1-8, 2006.

Fabiosa, J.F., J.C. Beghin, **A. Elobeid**, H. Matthey, A. Saak, S. DeCara, C. Fang, M. Isik, P. Westhoff, D.S. Brown, B. Willott, D. Madison, S. Meyer, and J. Kruse. 2005. “The Doha Round of the WTO and Agricultural Market Liberalization: Impacts on Developing Economies.” *Review of Agricultural Economics*, 27(3): 317-335.

Smith, L.C., **A.E. Elobeid**, H.H. Jensen and S.R. Johnson. “The Geography and Causes of Food Insecurity in Developing Countries.” *Agricultural Economics*, 22(2):199-215, March 2000.

ADDITIONAL PUBLICATIONS

Dumortier, Jerome and **Amani Elobeid**. “Implications of a U.S. Carbon Tax on Agricultural Markets and GHG Emissions from Land-Use Change.” *CARD Agricultural Policy Review*, Center for Agricultural and Rural Development, Iowa State University, Spring (January) 2020. http://www.card.iastate.edu/ag_policy_review/

Dumortier, Jerome and **Amani Elobeid**. “Effects of the Energy Innovation and Carbon Dividend Act on U.S. and Global Agricultural Markets.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 20-WP 598, January 2020.

Carrquiry, Miguel, **Amani Elobeid**, Dermot Hayes, and Wendong Zhang. 2019. “Impact of African Swine Fever on U.S. and World Commodity Markets.” *Agricultural Policy Review*, Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, Fall 2019: 10-11.

Dumortier, Jerome, **Amani Elobeid**, and Miguel Carrquiry. “Assessing the impact of closing global commodity yield gaps on food production and land-use change emissions from biofuels.” Selected paper prepared for presentation at the 2018 Agricultural and Applied Economics Association Annual Meeting, Washington, D.C., August 5-7, 2018.

Li, M., W. Zhang, D.J. Hayes, A. Elobeid, Y. Yan, and X. Wang. “The Impossible Trinity of China’s Corn Related Policies.” Selected paper presented by M. Li at the 2018 Agricultural and Applied Economics Association Annual Meeting, Washington, D.C., August 5-7, 2018.

Elobeid, A. “Capturing Dynamic Linkages between Agriculture and Energy in Biofuel Assessment: The Case of Iowa.” CARD Agricultural Policy Review, Center for Agricultural and Rural Development, Iowa State University, Spring (July) 2015.
http://www.card.iastate.edu/ag_policy_review/display.aspx?id=36

Elobeid, A. (with FAPRI Staff). *FAPRI 2012 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-11, ISSN 1534-4533, 2011.

Dodder, Rebecca S., **Elobeid A.**, Johnson, T.L., Kaplan, P.O., Kurkalova, L.A., Secchi, S., and Tokgoz, S. “Environmental Impacts of Emerging Biomass Feedstock Markets: Energy, Agriculture, and the Farmer.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 11-WP 526, December 2011.

Elobeid, A., Miguel Carriquiry, Jacinto F. Fabiosa, Kranti Mulik, Dermot J. Hayes, Bruce A. Babcock, Jerome Dumortier, and Francisco Rosas. “Greenhouse Gas and Nitrogen Fertilizer Scenarios for U.S. Agriculture and Global Biofuels.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 11-WP 524, June 2011.

Elobeid, A., M. Carriquiry, and J. Fabiosa. “Implications of Global Ethanol Expansion on Brazilian Regional Land Usage.” Paper presented at the 11th Biennial Conference of the International Society for Ecological Economics: Advancing Sustainability in a Time of Crisis, Oldenburg, Germany, August 22-26, 2010.

Elobeid, A. (with FAPRI Staff). *FAPRI 2011 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-11, ISSN 1534-4533, 2011.

Elobeid, A. (with FAPRI Staff). *FAPRI 2010 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-10, ISSN 1534-4533, 2010.

Dumortier, J., D.J. Hayes, M. Carriquiry, F. Dong, X. Du, **A. Elobeid**, J.F. Fabiosa, and K. Mulik. “Modeling the Effects of Pasture Expansion and Yield Increase on Emissions from Land-Use Change.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 10-WP 504, February 2010.

Brookes, G., T. Yu, S. Tokgöz, and **A. Elobeid**. “The Production and Price Impact of Biotech Crops.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 10-WP 503, January 2010.

Brown, T., **A. Elobeid**, J. Dumortier and D.J. Hayes. “Market Impact of Domestic Offset Programs.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 10-WP 502, January 2010.

Elobeid, A., S. Tokgöz, and T. Yu. “Assessment of Biofuel Resource Elasticity in APEC Economies.” A report prepared for the APEC Energy Working Group under EWG 16 2008A (APEC# 209-RE-01.8), December 2009.

Elobeid, A. “How would a Trade Deal on Sugar Affect Exporting and Importing Countries.” Paper Prepared for the International Centre for Trade and Sustainable Development, ICTSD Programme on Agricultural Trade and Sustainable Development, Issue Paper No. 24, Sep 2009.

Dumortier, J., D.J. Hayes, M. Carriquiry, F. Dong, X. Du, **A. Elobeid,** J.F. Fabiosa, and S. Tokgöz. “Sensitivity of Carbon Emission Estimates from Indirect Land-Use Change.” Center for Agricultural and Rural Development, Iowa State University, CARD Working Paper 09-WP 493, July 2009.

D. J. Hayes, B. A. Babcock, J. F. Fabiosa, S. Tokgöz, **A. Elobeid,** T. Yu, F. Dong, C. E. Hart, E. Chavez, S. Pan, M. Carriquiry, and J. Dumortier. 2009. “Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers.” Working Paper 09-WP 487, Center for Agricultural and Rural Development, Iowa State University, 03 2009.

Elobeid, A. (with FAPRI Staff). *FAPRI 2009 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-09, ISSN 1534-4533, 2009.

Fabiosa, J. F., J. C. Beghin, F. Dong, **A. Elobeid,** S. Tokgöz, and T. Yu. 2008. “Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model.” Iowa State University Economics Working Paper #08005, March 3, 2008.

Elobeid, A. and S. Tokgöz. “Assessing the Impact of the Emerging Ethanol Sector on Canadian Grain Markets: An Integration of a Canadian Ethanol Model into the International Ethanol and Grain Models.” Working Paper.

Elobeid A., S. Tokgöz, J. Fabiosa, D.J. Hayes, B.A. Babcock, T. Yu, F. Dong, C.E. Hart and J.C. Beghin. “Analyzing the Long-Run Impact of Ethanol Expansion on U.S. Crop, Livestock, and Dairy Markets.” Proceedings Paper, Southwest Nutrition and Management Conference, Tempe Arizona, 2008.

Elobeid, A. (with FAPRI Staff). *FAPRI 2008 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-08, ISSN 1534-4533, 2008.

S. Tokgöz and **A. Elobeid.** “Understanding the Underlying Fundamentals of Ethanol Markets: Linkages between Energy and Agriculture.” Selected Paper prepared for presentation at the American Agricultural Economics Association Annual Meeting, Portland, OR, July 29-August 1, 2007.

Elobeid A. and S. Tokgöz. “The ‘New’ Link between Energy and Agriculture: Assessing the Impact of Crude Oil Prices on International Agricultural Markets.” *Farm Policy Journal*, Volume 4, Number 2, May Quarter: 21-27, 2007.

Tokgöz, S., **A. Elobeid**, J. Fabiosa, D.J. Hayes, B.A. Babcock, C.E. Hart, J.C. Beghin, T. Yu, and F. Dong. “Emerging Biofuels: Outlook of Effects on U.S. Grain, Oilseed, and Livestock Markets.” CARD Staff Report 07-SR 101, May 2007.

Elobeid, A., S. Tokgöz and C. Hart. “The ethanol outlook for Brazil and the United States implications for livestock.” *International Sugar Journal*, Volume CIX, no. 1299, March: 174-177, 2007.

Elobeid, A. (with FAPRI Staff). *FAPRI 2007 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-07, ISSN 1534-4533, 2007.

Elobeid, A. “The Impact of the European Enlargement and CAP Reforms on Agricultural Markets. Much Ado about Nothing?” (with J.F. Fabiosa, J.C. Beghin, F. Dong, F.H. Fuller, H. Matthey, S. Tokgöz, and E. Wailes) Nova Publishers: Volume 3 Issue 1 Spec. Issue.

Elobeid, A., S. Tokgöz, D.J. Hayes, B.A. Babcock and C.E. Hart. “The Long-Run Impact of Corn-Based Ethanol on the Grain, Oilseed, and Livestock Sectors: A Preliminary Assessment.” CARD Briefing Paper [06-BP-49] November 2006.

Elobeid, A. and S. Tokgöz. “An Analysis of the Link between Ethanol, Energy and Crop Markets.” CARD Working Paper [06-WP-435] November 2006.

Elobeid, A. and S. Tokgöz. “Removal of U.S. Ethanol Domestic and Trade Distortions: Impact on U.S. and Brazilian Ethanol Markets.” CARD Working Paper [06-WP-427] October 2006. Abler, D., J.C. Beghin, D. Blandford, and **A. Elobeid**. “U.S. Sugar Policy Options and Their Consequences under NAFTA and Doha.” CARD Working Paper [06-WP 424] June 2006.

Tokgöz, S. and **A. Elobeid**. “Policy and Competitiveness of U.S. and Brazilian Ethanol.” *Iowa Ag Review*, Iowa State University, Ames, Iowa, Spring 2006, Volume 12, Number 2: 6-7, 11.

Elobeid, A. (with FAPRI Staff). *FAPRI 2006 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-06, ISSN 1534-4533, 2006.

Elobeid, A., with FAPRI staff, Iowa State University and University of Missouri-Columbia. “U.S. Proposal for WTO Agricultural Negotiations: Its Impact on U.S. and World Agriculture”. CARD Working Paper [05-WP 417]. Center for Agricultural and Rural Development, Ames, IA. December 2005.

Elobeid, A., and J.C. Beghin. “Policy Reforms in World Sugar Markets: What Would Happen?” *Iowa Ag Review*, Iowa State University, Ames, Iowa, Spring 2004, Volume 10, No 2: 4-5, 11.

Elobeid, A., with FAPRI staff (J.F. Fabiosa, J.C. Beghin, F. Dong, F.H. Fuller, H. Matthey, S. Tokgöz, E. Wailes). “The Impact of the European Enlargement and Common Agricultural Policy Reforms on Agricultural Markets: Much Ado about Nothing?” CARD Working Paper [05-WP 382]. Center for Agricultural and Rural Development, Ames, Iowa. February 2005.

Elobeid, A. (with FAPRI Staff). *FAPRI 2005 World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-05, ISSN 1534-4533, 2005.

Elobeid, A. (with FAPRI Staff). *FAPRI 2004 World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-04, ISSN 1534-4533, January 2004.

Elobeid, A. and J.C. Beghin. “Multilateral Trade and Agricultural Policy Reforms in Sugar Markets.” CARD Working Paper 04-WP 356 March 2004.

Babcock, B.A., J.F. Fabiosa, H. Matthey, M. Isik, S. Tokgöz, **A. Elobeid**, C.E. Hart, F. Fuller, and S. Meyer. “Impact on the Sugar Sector.” In *An Analysis of the Proposed Doha Round Modalities*. CARD Working Paper Series, June 2003, 03-SR 98.

Elobeid, A. (with FAPRI Staff). *FAPRI 2003 U.S. and World Agricultural Outlook*, Iowa State University and University of Missouri, Staff Report 1-03, ISSN 1534-4533, January 2003.

Elobeid, A. (with FAPRI Staff). *FAPRI 2002 World Agricultural Outlook*, Iowa State University and University of Missouri, Ames, Iowa, Staff Report 1-02, ISSN 1534-4533, 2002.

BOOK CHAPTERS

Elobeid, Amani, M. M. R. Moreira, C. Zanetti, M. Carriquiry, and L. Harfuch. 2019. “Implication of Biofuel Production on Direct and Indirect Land Use Change: Evidence from Brazil.” In *Biofuels, Bioenergy and Food Security: Technology, Institutions and Policies* (1st edition), Deepayan Debnath and Suresh Babu (editors), Academic Press, ISBN: 9780128039540.

Dumortier, Jerome, **Amani Elobeid**, and Miguel Carriquiry. 2019. "Assessing the possibility of price-induced yield improvements to reduce land-use change emissions from ethanol." In *Biofuels, Bioenergy and Food Security: Technology, Institutions and Policies* (1st edition), Deepayan Debnath and Suresh Babu (editors), Academic Press, ISBN: 9780128039540.

Beghin, John C., and **Amani Elobeid**. 2018. “Analysis of the US Sugar Program.” In *Agricultural Policy in Disarray*, Vincent H. Smith, Joseph W. Glauber, and Barry K. Goodwin, editors, American Enterprise Institute, ISBN: 9780844750163.

Elobeid, Amani, M. Carriquiry and J. Fabiosa. “Implications of Global Ethanol Expansion on Brazilian Regional Land Usage.” 2012. In *Socioeconomic and Environmental Impacts of Biofuels: Evidence from Developing Nations*, Alexandros Gasparatos and Per Stromberg, editors, Cambridge University Press.

Fabiosa, Jacinto. F., Beghin, John C., Dong, F., **Elobeid, A.**, Tokgöz, Simla, and Yu, Tun-Hsiang. "The Global Bioenergy Expansion: How Large Are the Food-Fuel Trade-offs?" In *The Handbook of Bioenergy Economics and Policy*, Madhu Khanna, Jurgen Scheffran, and David Zilberman, editors, 2010, XIV, ISBN: 978-1-4419-0368-6.

Elobeid, A., with FAPRI Staff, Iowa State University and University of Missouri-Columbia. "U.S. Proposal for WTO Agriculture Negotiations: Its Impact on U.S. and World Agriculture", Sridhar Krishna, ed. *Agricultural Subsidies*, ICFAI University Press, 2006.

Elobeid, A., with Babcock, B., J. Fabiosa, H. Matthey, M. Isik, S. Tokgöz, W. Meyer, F. Fuller, C. Hart, A. Saak, and K. Kovarik. "Factors affecting World Agriculture." Chapter 23 in *Perspectives in World Food and Agriculture, Volume 2*. Edited by John A. Miranowski and Colin G. Scanes, Ames: Blackwell Publishing Company, 2005: pages 297-311.

Elobeid, A., with Babcock, Bruce, Jacinto Fabiosa, Holger Matthey, Murat Isik, Simla Tokgöz, William Meyer, Frank Fuller, Chad Hart, Alexander Saak, and Karen Kovarik. "Factors affecting World Agriculture." In *Perspectives in World Food and Agriculture 2004*. Edited by Colin Scanes and John Miranowski, Ames: Blackwell Publishing Company, 2004: Chapter 25.

Elobeid, A., Dominique van der Mensbrugge and Sébastien Dessus. "Outward Orientation, Growth, and the Environment in Vietnam." In *Trade and the Environment in General Equilibrium*, by John Beghin, David Roland-Holst and Dominique Van der Mensbrugge. Dordrecht, The Netherlands: Kluwer Academic Publishers, 2002.

Elobeid, A. "Synthesis of Case Studies on Indonesia, Mexico and Costa Rica." In *Trade and the Environment in General Equilibrium*, by John Beghin, David Roland-Holst and Dominique Van der Mensbrugge. Dordrecht, Netherlands: Kluwer Academic Publishers, 2002.

Dessus, Sébastien, **A. Elobeid** and Dominique van der Mensbrugge. "Trade Liberalisation and the Environment in China." In *Trade and the Environment in General Equilibrium*, by John Beghin, David Roland-Holst and Dominique Van der Mensbrugge. Dordrecht, The Netherlands: Kluwer Academic Publishers, 2002.

Dessus, Sébastien, **A. Elobeid** and Dominique van der Mensbrugge. "Trade Liberalisation and the Environment in China." In *Trade and the Environment in General Equilibrium*, edited by John Beghin, David Roland-Holst and Dominique Van der Mensbrugge. Dordrecht, The Netherlands: Kluwer Academic Publishers, 2002.

Elobeid, A., Stanley R. Johnson, Lisa C. Smith, and Helen H. Jensen. "Commodity Supply and Use Balances and Food Availability." In *Food Security: New Solutions for the Twenty-first Century*, edited by **Amani E. Elobeid**, Stanley R. Johnson, Helen H. Jensen and Lisa C. Smith. Ames, Iowa: Iowa State University Press, 1999.

Smith, Lisa C., **A. Elobeid**, Helen H. Jensen and Stanley R. Johnson. “The Geography and Causes of Food Insecurity in Developing Countries.” In *Food Security: New Solutions for the Twenty-first Century*, edited by **Amani E. Elobeid**, Stanley R. Johnson, Helen H. Jensen and Lisa C. Smith. Ames, Iowa: Iowa State University Press, 1999.

Johnson, Stanley R., Helen H. Jensen, **A. Elobeid** and Lisa C. Smith. “Observations and Recommendations.” In *Food Security: New Solutions for the Twenty-first Century*, edited by **Amani E. Elobeid**, Stanley R. Johnson, Helen H. Jensen and Lisa C. Smith. Ames, Iowa: Iowa State University Press, 1999.

GRANTS

Co-PI: \$12 million - Horizon II Climate Smart Commodities Grant: *A Climate-Smart Future for Corn, Soybean, Livestock, and Renewable Natural Gas Production*, United States Department of Agriculture, 2023.

Co-PI: \$10 million - *Regenerating America’s Working Landscapes to Enhance Natural Resources and Public Goods through Perennial Groundcover (PGC)*, United States Department of Agriculture, NIFA, 2021.

Co-PI: **\$40,000** - *Renewable Diesel and US Livestock Production and Trade*, USDA Economic Research Service (ERS) Cooperative Agreement, 2022.

PI: \$100,000 – *Comparing the trends and strength of determinants to deforestation in the Brazilian Amazon in consideration of biofuel policies in Brazil and the United States*, U.S. Department of Agriculture, 2011.

PI: \$498,000 – *Towards a Stochastic Modeling of Global Land Use and Greenhouse Gas Emissions*, USDA CSREES, Agriculture and Food Research Initiative Competitive Grants Program Grant, Agribusiness Markets and Trade, 2011.

PI: \$50,000 – *Enhancing FAPRI’s Ability to Assess Climate Change Policy*, Biobased Industry Center Grant Program, Iowa State University, 2010.

PI: \$360,000 – *An Analysis of the Impact of Biofuel Expansion through Linking of Agricultural and Energy Markets*, USDA CSREES, Agriculture and Food Research Initiative Competitive Grants Program Grant, Agribusiness Markets and Trade, 2010.

PI: \$45,000 – *Assessment of Biofuel Resource Elasticity in APEC Economies*, APEC Energy Working Group, 2008.

Co-PI: \$150,000 – *Guiding Land Management Decisions Toward More Sustainable Biofuel Development: Modeling Land Management Decision-Making Among Diverse Stakeholders*. Environmental Protection Agency, 2007.

PI: \$30,000 – *Modeling Biofuel Production and Policies on Agriculture in the World and Implications for the U.S.* ERS-USDA, 2007.

PI: \$15,000 – *Assessing the Impact of the Emerging Ethanol Sector on Canadian Grain Markets.* Canadian Studies Faculty Research Award, Foreign Affairs and International Trade Canada, Canadian Embassy, Washington, D.C., 2007.

SELECT CONFERENCES, WORKSHOP PRESENTATIONS AND OUTREACH

Dumortier, J., M. Carriquiry, and **A. Elobeid**, and. “Interactions of U.S. Light Duty Vehicle Electrification Policies and Global Agricultural Trade.” In Session: Multi-Continent Perspectives on Agricultural Trade and Climate Change. Presented by Amani Elobeid at the International Conference of Agricultural Economists (ICAE) Annual Meeting, Virtual, August 17-31, 2021.

Carriquiry, M., **A. Elobeid**, and J. Dumortier. “Importance of Sub-National Spatial Economic Modeling in Brazil in Evaluating Sugarcane and Corn Ethanol Policies.” Presented by Miguel Carriquiry at the Agricultural and Applied Economics Association Annual Meeting Atlanta, Georgia, July 21-23, 2019.

Dumortier, Jerome, Hamze Dokoohaki, **Amani Elobeid**, Dermot J Hayes, David Laird, and Fernando E Miguez. “Economics of Biochar-Induced Yield Increases in the United States.” Poster presentation by Jerome Dumortier at the 2018 Agricultural and Applied Economics Association Annual Meeting, Washington, D.C., August 5-7, 2018.

“An Overview of the CARD-FAPRI International Ethanol Model.” EPSCoR Energy Policy Workshop, Iowa State University, March 2014.

Debnath D., A. Elobeid, and M. Carriquiry. “Modeling the impacts of adopting Bt cotton by African countries on world fiber and bioenergy crop markets.” Selected Poster prepared for presentation at the Agricultural & Applied Economics Association’s 2013 AAEA & CAES Joint Annual Meeting, Washington, DC, August 4-6, 2013.

“Global Biofuel Expansion and the Demand for Brazilian Land: Intensification versus Expansion.” Presented at the Agricultural and Applied Economics Association Annual Meeting Pittsburgh, Pennsylvania, July 24-26, 2011.

“Addressing Biofuels and Land Use in the FAPRI Modeling System.” Presented at the Economic Models of Land Use and Biofuels Workshop, Champaign, Illinois, September 27th, 2010.

“Implications of Global Ethanol Expansion on Brazilian Regional Land Usage.” 11th Biennial Conference of the International Society for Ecological Economics: Advancing Sustainability in a Time of Crisis, Oldenburg, Germany, August 2010.

“Assessment of Biofuel Resource Elasticity in APEC Economies.” Presented with S. Tokgöz and T. Yu, Fifth APEC Biofuels Taskforce Meeting, Golden, Colorado, October 7-8, 2008.

Amani Elobeid

“Overview of the FAPRI Modeling System.” Salmon Market Analysis Modules Roundtable Conference, Longyearbyen, Norway, September 24-26, 2008.

“The Impact of the New Energy Bill on U.S. and World Agricultural Markets: Removing Domestic Distortions in the U.S. Biofuel Sector.” With S. Tokgöz, F. Dong, T. Yu, J. Fabiosa, C. Hart, D. Hayes and B. Babcock, Selected Poster, American Agricultural Economics Association Annual Meeting, Orlando, Florida, July 27-29, 2008.

“The Global Impact of Biofuel Expansion: Accounting for Greenhouse Gas Emissions from Land Use Changes.” 17th Annual World Outlook Conference, USDA ERS, Washington D.C., May 14-15, 2008.

“The Global Impact of Biofuel Expansion: Accounting for Greenhouse Gas Emissions from Land Use Changes: CARD’s Modeling and Underlying Assumptions.” Sustainable Biofuels and Human Security Workshop, University of Illinois at Urbana-Champaign, May 11-12, 2008.

“Analyzing the Long-Run Impact of Ethanol Expansion on U.S. Crop, Livestock and Dairy Markets.” South West Nutrition Conference, Tempe, Arizona, Feb 21-22, 2008.

“Removing Distortions in the U.S. Ethanol Market: What Does It Imply for the United States and Brazil?” American Agricultural Economics Association (AAEA) annual meeting, Portland, Oregon, August 1-4, 2007.

“Emerging Biofuels: Outlook of Effects on U.S. Agriculture” presented at the “Food and Fuel: The Implications for Agricultural Research Policy”, CAES conference in Saskatoon, Canada, June 4th and 5th, 2007.

“CARD Ethanol Model: An Approach to Modeling Ethanol Markets and Scenario Analyses”, Farm Foundation/ERS Workshop, ERS, Washington, D.C. February 28, 2007.

Elobeid, Amani, with FAPRI staff (Jacinto F. Fabiosa, John C. Beghin, Fengxia Dong, Amani Elobeid, Frank H. Fuller, Holger Matthey, Simla Tokgöz, Eric Wailes). “The Impact of the European Enlargement and Common Agricultural Policy Reforms on Agricultural Markets: Much Ado about Nothing?” Selected Poster presented by Frank Fuller, 26th Conference of the International Association of Agricultural Economists, Queensland, Australia, August 12-18, 2006.

“Long-Run Impact of Corn-Based Ethanol on Grain, Oilseed and Livestock Sectors”, Webcast conference “Perspectives on Present and Future Corn-Based Ethanol Industry Program.” Ames, Iowa, November 13, 2006.

“U.S. and Brazilian Ethanol Markets: A Policy Analysis”, World Outlook Conference, Banff, Canada, May 23-24, 2006.

“2006 FAPRI World Agricultural Outlook”, presented to Commodity Groups and Press, Washington D.C., March 2006.

Elobeid, Amani, with FAPRI staff (Jacinto F. Fabiosa, John C. Beghin, Fengxia Dong, Frank H. Fuller, Holger Matthey, Simla Tokgöz, Eric Wailes). “The Impact of the European Enlargement and Common Agricultural Policy Reforms on Agricultural Markets: Much Ado about Nothing?” Selected Paper presented by John Beghin, Australian Agricultural and Resource Economics Society annual meeting, Manly, Sydney, Australia, February 8-10, 2006.

“Implications of Implementing the EU CMO Reform and WTO Commitments on the EU and World Sugar Markets” poster presentation, XIth International Congress of the European Association of Agricultural Economists (EAAE), Copenhagen, Demark, August 24-27, 2005.

“U.S. and Brazilian Ethanol Markets: A Review”, Agricultural Economics Workshop, Department of Economics, Iowa State University, Ames, IA, April 21, 2005.

“Current Models of EU and World Sugar Markets”, Farm Foundation and ERS Workshop
“Modeling EU Sugar Reform and the World Market”, Washington D.C., October 5-6, 2004.

“Multilateral Trade and Agricultural Policy Reforms in Sugar Markets” with J. Beghin, American Agricultural Economics Association (AAEA) annual meeting, Denver, Aug. 1-4, 2004.

“International Sugar”, FAPRI Preliminary Baseline Reviews, Washington, D.C., December 2003, 2004, 2005, 2006, 2007, 2008. 2009.

“Food Availability in Developing Countries: An Analysis of Alternative Explanations”, minisymposium *Trends in Food Taste Preferences and Composition of Food Baskets: Determinant and Analytical Approaches*, 23rd Conference of the International Association of Agricultural Economists, Sacramento, CA, August 1997.

“Measurement of effective rates of protection for agricultural commodities in Sudan”, Department of Economics seminar series, Iowa State University, Ames, IA 1994.

PROFESSIONAL ACTIVITIES

Member, American Economics Association

Member, American Agricultural Economics Association

Member, International Association of Agricultural Economists

Reviewer

Agriculture

Agricultural Economics

American Journal of Agricultural Economics

Applied Economic Perspectives and Policy/Review of Agricultural Economics

Applied Energy

Biomass and Bioenergy

California Agriculture

Climate Change Economics

European Review of Agricultural Economics

Amani Elobeid

Land Economics

Journal of Agricultural Economics

Book chapter in *Handbook of Bioenergy Economics and Policy*

USDA Economic Research Service

American Association of Agricultural Economics Selected Papers 2008, 2009

International Association of Agricultural Economists Association Poster Reviews 2006

Guest Lead Editor, *Economics Research International Journal* 2013

Topic Leader, Food and Agricultural Policy Analysis, 2016 AAEA Annual Meeting

Topic Leader, Food and Agricultural Policy Analysis, 2017 AAEA Annual Meeting

RECENT SELECT CONSULTING PROJECTS (Area)

National Pork Board (Foreign Animal Disease)

Iowa Select Farms (African Swine Fever)

Corn Refiners Association (Retaliatory tariffs)

American Enterprise Institute (US sugar policy)

RTI (Biofuels and agricultural markets)

US Wheat Associates (Wheat markets)

Environmental Protection Agency (Biofuels)

Union of Concerned Scientists (Agricultural markets)

Economist Intelligence Unit (Food demand)

National Pork Producers Council (Free trade agreement)

The Dow Chemical Company (Sugar and ethanol)

Sweetener Users Association (US sugar policy)

National Centre for Agricultural Economics and Policy Research (NCAP), India (Commodity modeling)

International Center for Trade and Sustainable Development (Sugar trade)

DTB Associates, LLP (WTO, free trade agreement)

PG Economics (Biotech crops and agricultural productivity)

KPMG (Biofuels)

Grupo Santander, Madrid, Spain (Biofuels)

Farm Foundation (Sweeteners and Biofuels)

American Farm Bureau Federation (Sweeteners)