

AZZEDDINE M. AZZAM
Roy Frederick Professor
Department of Agricultural Economics
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Positions and Employment:

Roy Frederick Professor, University of Nebraska (Jan 1, 2019 - Present)
Professor, University of Nebraska (July 1, 1996- December 2018)
Associate Professor, University of Nebraska (July 1, 1991-June 30, 1996)
Assistant Professor, University of Nebraska (April 1, 1987-June 30, 1991)

Other Experience:

Visiting professor, University of Dubai, Dubai, UAE (April 8 - June 15, 2017)
Invited lecturer, NOVA-University Doctoral Course (*Empirical Analysis of Firm and Industry Behaviour in the Food Marketing Chain*), Department of Economics, SLU, Uppsala, Sweden (August 17-19, 2015)
Invited lecturer, *Microeconomic Analysis of Public Policy*, OCP Policy Center, Rabat, Morocco (2015, 2016, 2017)
Senior Economic Advisor, Dubai Chamber of Commerce and Industry, Dubai, UAE (Feb 1, 2010 - Dec 31, 2011)
Visiting Professor, University of Dubai, Dubai, UAE (Feb 1, 2010 - Dec 31, 2011)
Chair, Department of Economics and Statistics, University of Dubai, Dubai, UAE (Fall 2010-Spring 2011)
Visiting Professor, Dubai Chamber of Commerce and Industry, Dubai, UAE (Sept 2008- Sept 2009)
Associate Editor, *Middle East Development Journal* 2008-2011
Founder and Managing Editor *Review of Undergraduate Research in Agricultural and Life Sciences* 2006-
Founder and Editor, *Journal of Agricultural & Food Industrial Organization* 2001-
Founder and Director, *Center for Agricultural & Food Industrial Organization* 2001-2012

Invited lecturer, NOVA-University Doctoral Course (*Empirical Analysis of Firm and Industry Behaviour in the Food Marketing Chain*), Department of Economics, SLU, Uppsala, Sweden (June 7-19, 2004)
Fulbright Scholar and Visiting Professor, Department of Economics, Swedish University of Agricultural Sciences, Uppsala, Sweden (July 1999-June 2000)
Visiting Professor, Università Cattolica Del Sacro Cuore, Italy (May 1998)
Teaching Fellow, HIID, Harvard University (Summer 1997)
Visiting Professor, Centre Regional de la Recherche Agronomique, Morocco (1993-94)

Education:

Ph.D. 1984 Agricultural Economics, University of Nebraska, USA
M.S. 1980 Agricultural Economics, University of Wisconsin, USA
B.S. 1977 Business and Economics, University of Wisconsin, USA

Research Interests:

Applied Microeconomics, Agricultural & food economics, empirical industrial organization, quantitative policy analysis, local food economics, environmental and health costs of dietary choices.

Teaching Experience:

Undergraduate: Microeconomics, Applied Statistics, Operations Research, Econometrics.
Master's: Applied Microeconomic Theory, Demand and Price Analysis, Mathematical Economics, Research Methods, Estimation and Welfare Analysis with Demand Systems.
PhD: Empirical Industrial Organization, Quantitative Analysis for Microeconomic Research, Integrating Quantitative Methods and Economic Theory, Research Methods.
MBA: Managerial Economics, Business Research Methods

Honors and Awards:

Conference Chairperson, *Dubai Dialogue 2015: Sustainability Matters*, 21 October 2015, Dubai, United Arab Emirates
Review Panelist of the USDA National Institute of Food and Agriculture Grant Proposals, 2014
Program Reviewer of the Agricultural and Applied Economics Department at Texas Tech University, 2014

Outstanding Journal Article, Honorable Mention, Canadian Agricultural Economics Society, 2011
 Panelist, African Development Bank Annual Meetings, Lisbon, June 9-10, 2011
 Debate Moderator, *Dubai Dialogue 2011: Responsible Recovery*, 27 April 2011, Dubai, United Arab Emirates
 Conference Chairperson, *Dubai Dialogue 2010: Good Governance Matters*, 10 October 2010, Dubai, United Arab Emirates
 Conference Chairperson, *Dubai Dialogue 2010: Sustainability Matters*, 26 May 2010, Dubai, United Arab Emirates
 Commencement Speaker - UNL Doctoral Commencement & Hooding Ceremony, May 9, 2008
 2008 Excellence in Graduate Education Award - UNL
Best Paper Award - The Economic Research Forum 14th Annual Conference, 28-30 December 2007, Cairo, Egypt
 Invited speaker - the plenary sessions of the Hassan II Academy of Sciences and Techniques, Rabat, Morocco, March 21-23, 2007
 PHI BETA DELTA, *Honor Society of International Scholars* (inducted 11/09/2006)
 Darrell W. Nelson Excellence in Graduate Student Advising Award (2005 Nominee)
 Listed among the Top 1000 Most-Cited Economists In The World (1990-2000)
 GSO Faculty Appreciation Award, Graduate Student Organization, 2004
 Research Fellow, Economic Research Forum, 2000-
 Fulbright Scholar, 1999
 Teaching Fellow (invited), HIID, Harvard University (Summer 1997)
 Member Future Nebraska Task force
 Faculty Senate
 Theme Editor, *UNESCO Encyclopedia of Life Sciences*
 Outstanding Recent Alumnus Award, University of Wisconsin, 1991
 GSO Faculty Appreciation Award, Graduate Student Organization, 1991
 Recognition Award for Contributions to Students, UNL Parents Association and Teaching Council, 1989
 Finalist, Outstanding Young Professor Award, Lincoln Jaycees, 1989
 Sigma Xi, 1988
 Outstanding Ph.D. Student Award, UNL, 1982
 Gamma Sigma Delta Honorary, 1981

I. REFEREED PUBLICATIONS

- Azzam, A. 2021. "Restructuring U.S. Meatpacking as a Resilience Strategy Against Capacity Disruptions: Will it Work?" *Applied Economics Letters* (in press).
- Azzam, A. and S. Dhoubhadel. 2021. "COVID-19, Beef Price Spreads, and Market Power." *Journal of Agricultural and Resource Economics* (in press).
- Azzam, A., C. Walters, and T. Kaus. 2021. "Does Subsidized Crop Insurance Affect Farm Industry Structure?: Lessons from the U.S." *Journal of Policy Modeling* 43:117-1180.
- Azzam, A. and B. Rettab. 2021. "Comparative TFP Growth Between GCC Conventional and Islamic Banks Before and After The 2008 Financial Crisis". *The Singapore Economic Review* (in press).
- Dhoubhadel, S. and A. Azzam. 2021. "The Impact of the Livestock Friendly Designation on the Nebraska Cattle Industry: A Difference-in-Differences with Staggered Treatment Analysis." *Journal of Agricultural and Applied Economics* 53:169-185.
- Azzam, A. 2021. "Is the World Converging to a 'Western Diet'?" *Public Health and Nutrition* 24:309-317.
- Khanal, B., R. A. Lopez, and A. Azzam. 2020. "Testing Local Bias in Food Consumption: The Case of Fluid Milk." *Agribusiness: An International Journal* 36:339-344.
- Lopez, L. A., X. Xi, and A. Azzam. 2018. "Stochastic Frontier Estimation of Market Power in the Food Industries." *Journal of Agricultural Economics* 69:3-17.
- Parcel, J., J. Schroeter, and A. Azzam. 2017. "A Re-Examination of Multistage Economies in Hog Farming." Special Issue In Honor of Professor Emilio Pagoulatos *Journal of Agricultural & Food Industrial Organization* 15 (Issue 2).
- Li, J. and A. Azzam. 2017. "U.S. Mushroom Import Demand Estimation with the Source-Differentiated AIDS Model." *International Journal of Trade and Global Markets* 10:339-349.
- Khanal, B. and A. Azzam. 2017. "A Hedonic Analysis of Community Supported Agriculture Share Prices in the Midwestern United States." *Food Studies: An Interdisciplinary Journal* 8:1-8.
- Rehkamp, S., A. Azzam and C. Gustafson. 2017. "The Medical Cost Savings of Changes to Healthier U.S. Diets" *Food Studies: An Interdisciplinary Journal* 7:1-16.

- Rehkamp, S., A. Azzam and C. Gustafson. 2017. "U.S. Dietary Shifts and the Associated CO2 Emissions from Farm Energy Use." *Food Studies: An Interdisciplinary Journal* 7:12-22.
- Dhoubhadel, S., A. Azzam, and M. Stockton. 2017. "Does the United States Exert Market Power when Importing Ethanol from Brazil?" *International Journal of Trade and Global Markets* 10:251-266.
- Mills, B. A. Azzam, K. Brooks, and D. Aiken. 2016. "An Econometric Analysis of the Nebraska Livestock Friendly Country Program" *Online Journal of Rural Research and Policy* 11.1(Article):1-22.
- Dhoubhadel, S., A. Azzam, and M. Stockton. 2015. "Imported and U.S. Domestic Beef: Substitutes or Complements?" *Agribusiness: An International Journal* 4:568-572.
- Azzam, A., G. Nene, and K. Schoengold. 2015. "Hog Industry Structure and the Stringency of Environmental Regulation." *Canadian Journal of Agricultural Economics* 63:333-358.
- Azzam, A. and B. Rettab. 2015. "Optimal Commodity Taxation and Consumer Welfare: An Empirical Application to the UAE." *International Journal of Economic Policy in Emerging Economies* 8:191-2012.
- Azzam, A. and B. Rettab. 2015. "Estimation and Application of a Complete Demand System for the UAE." *International Journal of Emerging Markets* 10:329-349.
- Dhoubhadel, S., A. Azzam, and M. Stockton. 2015, "The Impact of Biofuels Policy and Drought on the U.S. Grain and Livestock Markets." *Journal of Agricultural and Applied Economics* 47:77-103.
- Bairagi, S. and A. Azzam. 2014. "Does the Grameen Bank Exert Market Power over Borrowers." *Applied Economics Letters* 21:866-869.
- Nene, G., A. Yiannaka, A. Azzam, and S. Kachman. 2013. "The Effect of Wal-Mart on the Economic Growth of Nebraska Counties." *International Research Journal of Applied Finance* 4:1394-1406.
- Bouras, D. and A. Azzam. 2013. Market and Welfare Effects of Multi-product Mergers with Reference to the Tyson-IBP Merger. *Journal of Business and Economics Research* 11:521-536.
- Azzam, A. and B. Rettab. 2013. "Food Price Cap Policy and Household Welfare in the UAE." *International Journal of Economic Policy in Emerging Economies* 6:64-77.

- Azzam, A. and B. Rettab. 2013. "Market Power versus Cost-Efficiency Under Uncertainty in the GCC Banking Industry." *Applied Economics* 15:2011-2022.
- Azzam, A. and B. Rettab. 2012. "A Welfare Measure of Consumer Vulnerability to Rising Food Prices of food Imports in the UAE." *Food Policy* 5:554-560.
- Azzam, A. and B. Rettab. 2011. "Are Restrictions on Foreign-Ownership Counter-Productive: Evidence from Dubai, United Arab Emirates." *International Journal of Economic Policy in Emerging Economies* 4:1-19.
- Rettab, B. and A. Azzam. 2011. "Performance of Family and Non-Family Firms with Self-Selection: Evidence from Dubai." *Modern Economy* 2:625-6432.
- Panagiotou, D. and A. Azzam. 2010. "Trade Bans, Imperfect Competition, and Welfare: BSE and the US Beef Industry." *Canadian Journal of Agricultural Economics* 58:109-129.
- Rettab, B., T. Kwaak, and A. Azzam. 2010. "An Optimization Procedure for Estimating the Stock of Capital: Application to Ten Production Sectors of Dubai." *Regional and Sectoral Economic Studies* 10:113-119.
- Azzam, A., B. Rettab, and M. Morada. 2010. "Revealed Comparative Advantage - Where It is Least Expected: Dubai." *International Journal of Trade and Global Markets* 3:199-216.
- Achy, L. A. Azzam, and K. Sekkat. 2009. "Coping with Data Limitations when Measuring Oligopoly Power in a Developing Country." *Regional and Sectoral Economic Studies* 9:85-96.
- Rettab, B. and A. Azzam. 2008. "Re-Export Intensity and Trade Costs: Port Facilities and Services." *Maritime Economics & Logistics* 10:229-242.
- Azzam, A. and H. Andersson. 2008. "Measuring Price Effects of Concentration in Mixed Oligopoly: An Application to the Swedish Beef-Slaughter Industry." *Journal of Industry, Competition, and Trade* 8:21-31.
- Coelho, A.R., D.R. Mark, and A. Azzam. 2008. "Understanding Basis Risk Associated with Fed Cattle Livestock Risk Protection Insurance." *Journal of Extension* 46:Article 1R1B6.
- Azzam, A. and C. Skinner. 2007. "Vertical Economies and the Structure of U.S. Hog Farms." *Canadian Journal of Agricultural Economics* 55:349-364.

- Njoroge, K., E. Yiannaka, K. Giannakas, and A. Azzam . 2007. "Market and Welfare Effects of the U.S. Livestock Mandatory Reporting Act." *Southern Economic Journal* 74:290-311.
- Azzam, A. 2007. Review of *The Nature of the Farm - Contracts, Risk, and Organization in Agriculture* by Douglas W. Allen and Dean Lueck. *Agribusiness: An International Journal* 23:293-294.
- Schroeter, J., A. Azzam, and D. Aiken. 2006. "Anti-Corporate Farming Laws and Industry Structure: The Case of Cattle Feeding." *American Journal of Agricultural Economics* 88:1000-1014.
- Schroeter, J. A. Azzam and M. Zhang. 2006. "Measuring Market Power in Bilateral Oligopoly." Chapter 6 in H. Kaiser and N. Suzuki (eds), *New Empirical Industrial Organization & the Food System*. Peter Lang Publishing Company, New York.
- Azzam, A. and E. Pagoulatos. 2006. "Testing Oligopolistic and Oligopsonistic Behavior: An Application to the U.S. Meat Packing Industry." Chapter 8 in H. Kaiser and N. Suzuki (eds), *New Empirical Industrial Organization & the Food System*. Peter Lang Publishing Company, New York.
- Azzam, A. and K. Sekkat. 2005. "Measuring Total-Factor Productivity Growth under Drought Conditions: The Case of Morocco." *Journal of North African Studies* 10:19-32.
- Azzam, A., E. Lopez, and R. Lopez. 2004. "Imperfect Competition and Total Factor Productivity Growth." *Journal of Productivity Analysis* 23:173-184.
- Schroeter, J. R. and A. Azzam. 2004. "Captive Supplies and Cash Market Prices for Fed Cattle: The Role of Delivery Timing Incentives." *Agribusiness: An International Journal* 20:347-362.
- Azzam, A. and S. Salvador. 2004. "Information Pooling and Collusion: An Empirical Test." *Information Economics and Policy* 16:275-286.
- Azzam, A. 2003. "Market Transparency and Market Structure: The Livestock Mandatory Reporting Act of 1999." *American Journal of Agricultural Economics* 85:387-395.
- Schroeter, J. and A. Azzam. 2003. "Captive Supplies and the Spot Market Price of Fed Cattle: The Plant-Level Relationship." *Agribusiness: An International Journal* 19:489-504.

- Lopez, R. A., A. M. Azzam, and C. Liron-Espana. 2002. "Market Power and/or Efficiency: A Structural Approach." *Review of Industrial Organization* 20:115-126.
- Azzam, A. 2001. "Slotting Allowances and Price-Cost Margins: A Note." *Agribusiness: An International Journal* 17:417-422.
- Azzam, A., 2002. "Public Regulation in Food and Agriculture: Goals Constraints Policies Instruments and Disputes", in *KNOWLEDGE FOR SUSTAINABLE DEVELOPMENT: An Insight into the ENCYCLOPEDIA OF LIFE SUPPORT SYSTEMS Volumes I,II,III*, pp.1101-1113 ,UNESCO Publishing-EOLSS Publishers, Oxford, UK.
- Azzam, A. and D. Rosenbaum. 2001. "Differential Efficiency, Market Structure, and Price." *Applied Economics* 33:1351-1357.
- Azzam, A. and A. Weliwitta. 2001. "Testing for Relative Economic Efficiency without Imposing Arbitrary Farm Size." *Applied Economic Letters* 8:141-144
- Schroeter, J., A. Azzam, and M. Zhang. 2000. "Measuring Market Power in Bilateral Oligopoly: The Wholesale Market for Beef." *Southern Economic Journal* 66:526-547.
- Azzam, A., and E. Pagoulatos. 1999. "Measurement of Technological and Market Structure: Alternative Methodological Perspectives - Discussion." *American Journal of Agricultural Economics* 81:644-646.
- Azzam, A. 1999. "Asymmetry and Rigidity of Farm-Retail Price Transmission." *American Journal of Agricultural Economics* 81:525-533.
- Azzam, A. And E. Pagoulatos. 1999. "Vertical Relationships: Economic Theory and Empirical Evidence." in *Vertical Relationships and Coordination in the Food System*, G. Galizzi and L. Venturini (Editors). Physica - Verlag Heidelberg.
- Ziari H., and A. Azzam. 1999. "Parametrizing Nonparametric Translog Models: A Goal Programming/ Constrained Regression Study of U.S. Manufacturing." *Empirical Economics* 24:331-340
- Schroeter, J. R. and A. Azzam. 1999. *Econometric Analysis of Fed Cattle Procurement in the Texas Panhandle*. Grain Inspection, Packers and Stockyards Administration. [online] available at <http://www.usda.gov/gipsa/programspsp /txpeer/reportindex.htm>
- Azzam, A. 1998. "Testing for Vertical Economies of Scope: An Example from U.S. Pig Production." *Journal of Agricultural Economics* 49:427-433.
- Azzam, A.(invited). 1998. "Competition in the U.S. Meatpacking Industry: Is It History?" *Agricultural Economics: An International Journal* 18:107-126.

- Azzam, A. 1998. "Captive Supplies, Market Conduct, and the Open-Market Price." *American Journal of Agricultural Economics* 80:76-83.
- Azzam, A. 1997. "Measuring Market Power and Cost-Efficiency Effects of Industrial Concentration." *Journal of Industrial Economics* 34:377-386.
- Azzam, A., S. Azzam, M. Moussaoui, M. El Bouhsinni, and A. Amri. 1997. "Costs and Benefits of Research in Hessian Fly Resistant Wheat Varieties in Morocco." *Journal of Economic Entomology* 90:1-5.
- Azzam, A. and J. Schroeter. 1997. (Invited) "Concentration in the Beef Packing Industry: Do Gains Outweigh Losses." *Choices* pages 26-28.
- Azzam, A. 1996. "Testing the Monopsony Inefficiency Incentive for Backward Integration." *American Journal of Agricultural Economics* 78:585-590.
- Weliwita, A. and A. Azzam. 1996. "Identifying Implicit Collusion Under Declining Output Demand." *Journal of Agricultural and Resource Economics* 21:235-246.
- Azzam, A. 1996. "Estimating the Degree of Dominance in a Bilateral Oligopoly." *Applied Economics Letters* 3: 209-211.
- Azzam, A, A.. Weliwita, and D. Rosenbaum. 1996. "Is There More than One Critical Concentration Ratio?" *Applied Economics* 28: 673-678.
- Azzam, A. and D. Anderson. May 1996. *Assessing Competition in Meatpacking: Economic History, Theory, and Empirical Evidence*. USDA Packers and Stockyards Programs, GIPSA-RR 96-6.
- Azzam, A. and J. Schroeter. 1995. "Tradeoffs Between Oligopsony Power and Cost-Efficiency from Horizontal Consolidation: An Example from Beef Packing." *American Journal of Agricultural Economics* 77:835-836.
- Azzam, A., M. Baker, I. Berry, and J. Campbell. 1995. "An Exploratory Bioeconomic Model of Pesticide Use for Controlling Feedlot-Cattle Pests." *Agricultural Systems* 48:145-154.
- Azzam, S., A. Azzam. 1994. "A Network Model that Determines the Optimal Path of Breed Crossing Decisions to Maximize Net Returns." *Agricultural Systems* 45:145-154.
- Azzam, A., K. Stiegert and W. Brorsen. 1993. "Markdown Pricing and Cattle Supply in the Beef Packing Industry." *American Journal of Agricultural Economics* 75:549-558.

- Azzam, A. and T. Park. 1993. "Testing for Switching Market Conduct." *Applied Economics* 25:795-800.
- Azzam, A., S. Azzam, and T. Guest. 1993. "A Probability Model of Aggregate Meat Consumption in the U.S.A." *Journal of Consumer Studies* 17:355-365.
- Azzam, A. 1992. "Testing the Competitiveness of Food Price Spreads." *Journal of Agricultural Economics* 43:248-256.
- Azzam, A. and A. Wellman. 1992. *Packer Integration into Hog Production: Current Status and Possible Impacts on Hog Prices and Quantities*. Research Bulletin 325, ARD, IANR, UNL.
- Azzam, A. and A. Britel. 1992. "An Economic Analysis of a Cross-Market Subsidy Scheme for Morocco's Food-Grain Sector." *Journal of Economic Studies* 19:55-72.
- Azzam, A. and J. Schroeter. 1991. "Implications of Increased Regional Concentration and Oligopsonistic Coordination in the Beef Packing Industry." *Western Journal of Agricultural Economics* 16:374-381.
- Schroeter, J. and A. Azzam. 1991. "Marketing Margins, Market Power and Price Uncertainty." *American Journal of Agricultural Economics* 73:990-999.
- Azzam, A. and M. Moussaoui. 1991. "Least-Cost Bread-Flour Mix: A Prototype Policy Model for Morocco." *Journal of Development Studies* 11:325-339.
- Azzam, A. and M. Turner. 1991. "Management Practices and Financial Performance of Agricultural Cooperatives: A Partial Adjustment Model." *Journal of Agricultural Cooperation* 16:12-21.
- Azzam, S. and A. Azzam. 1991. "A Markovian Decision Model for Beef Cattle Replacement that Considers Spring and Fall Calving." *Journal of Animal Science* 69:2329-41.
- Azzam, A. 1991. "Food Subsidies and Market Interdependence." *Agricultural Economics: An International Journal* 5:325-339.
- Azzam, A. and E. Pagoulatos. 1990. "Testing Oligopolistic and Oligopsonistic Behavior: An Application to the U.S. Meat Packing Industry." *Journal of Agricultural Economics* 41:362-370.
- Schroeter, J. and A. Azzam. 1990. "Measuring Market Power in Multi-Product Oligopolies: The U.S. Meat Industry." *Applied Economics* 22:1365-1376.

- Pagoulatos E., A. Azzam and M. Kitazawa. 1990. "An Econometric Analysis of the Forward Premium in the International Corn Market." *European Review of Agricultural Economics* 17:335-347.
- Stiegert, K. and A. Azzam. 1990. "Third World Debt and Wheat Imports: An Analysis for Selected Countries." *North Central Journal of Agricultural Economics* 12:79-87.
- Azzam, S., A. Azzam, M. Nielsen and J. Kinder. 1990. "Markov Chains as a Shortcut Method to Estimate Age Distributions in Herds of Beef Cattle Under Alternative Culling Strategies." *Journal of Animal science* 68:5-14.
- Azzam, A. 1990. "Agricultural Labor and Technological Change in Morocco." In *Labor and Rainfed Agriculture in West Asia and North Africa*, D. Tully (ed.), pp. 273-295. Published by Kluwer Academic Publishers, the Netherlands.
- Azzam, A., S. Azzam, J. Keele and J. Keown. 1989. "The Economic Value of Dairy Herd Improvement Information in a Sample of Midwestern Dairy Farms." *Journal of Dairy Science* 72:1296-1301.
- Linsensmeyer, D., A. Azzam and D. Olsen. 1989. "Planning Rural Transportation Systems: Applications of a Statewide Network Model." In *Profitability and Mobility in Rural America*, W. Gillis (ed.), pp. 171-192.
- Azzam, A. and D. Linsensmeyer. 1987. "A Statewide Network Model for Rationalizing the Grain and Livestock Transportation System in Rural Nebraska." *Journal of the Transportation Research Forum* 28:112-119.
- Yanagida, J., A. Azzam and D. Linsensmeyer. 1987. "Two Alternative Methods of Removing Price Supports: Implications to the U.S. Corn and Livestock Industries." *Journal of Policy Modeling* 9:331-320.
- Azzam, A. and J. Yanagida. 1987. "A Cautionary Note on Polynomial Distributed Lag Formulation of Supply Response." *Western Journal of Agricultural Economics* 12:60-64.
- Azzam, A., J. Yanagida and D. Linsensmeyer. 1987. "A Linked Econometric Model of the Livestock-Feed Sectors in Nebraska and the Rest of the United States." *North Central Journal of Agricultural Economics* 9:247-258.
- Azzam, A. and D. Linsensmeyer. 1987. "The Impact of Volume of Marketing and Distance to Markets on the Choice of Truck Size." *North Central Journal of Agricultural Economics* 9:135-144.

Pagoulatos, E. and A. Azzam. 1987. "Commodity-Specific Exchange Rates for U.S. Agriculture." Research Bulletin 309, ARD, IANR, UNL.

Azzam, A., D. Linsenmeyer and M. Baker. 1987. *A Quarterly Econometric Model of the Livestock Feed Subsectors in Nebraska and the Rest of the United States*. Research Bulletin 551, ARD, IANR, UNL.

II. GRADUATE THESES AND DISSERTATIONS SUPERVISED

Jun Li. *U.S. Mushroom Import Demand Estimation with the Source Differentiated AIDS and Rotterdam Models* (MS Thesis, in progress).

Binod Khanal. *A Hedonic Analysis of Community Supported Agriculture Shares in Mid-western United States* (MS Thesis, in progress).

Brian Mills. *Does the Nebraska livestock Friendly Country Program Affect Livestock Expansion in the State*. (M.S. Thesis, 2015).

Jilmar Robledo. *Economic Evaluation of Eradication and Alternative Crop Policies for Controlling Coca Supply in Columbia*. (M.S. Thesis, 2015).

Rehkamp, Sarah. *The Environmental and Health Costs of Alternative Diets: A Comparative Study of the French, Japanese, Mediterranean, Nordic, and U.S. Diets*. (M.S. Thesis, 2014).

Dhoubhadel, Sunil. *Three Essays on Biofuels, Drought, Livestock, and the Environment*. (Ph. D Dissertation, 2015. Co-Char: Matthew Stockton).

Nene, Gibson. *Essays in Industrial Organization and Environmental Economics*, (Ph.D Dissertation, 2010).

Panagiotou, Dimitrios. *Trade Bans, Imperfect Competition, and Welfare: BSE and The US Beef Industry*, (Ph.D Dissertation, 2008).

Bhattacharya, Suparna. *The Impact of the the Corn-Ethanol Boom on the US Livestock and Poultry Sectors: A Multi-Market Analysis*, (M.S. Thesis, 2008).

Gustafson, Anneke. *Revealed Comparative Advantage of Nebraska Regions*, August, 2008 (M.S. Thesis). Co-advisor: Eric Thompson.

Kibonge, Aziza. *An Empirical Model of Migration with an Application to Nebraska*, December, 2006 (M.S. Thesis).

- Bouras, Brahim. *Two Essays on Multi-Product Food Oligopolies*, June 2006 (Ph.D Dissertation).
- Coelho, Andre. *Empirical Determinants of Fed Cattle Livestock Risk Protection Insurance Basis*, July 2006 (M.S. Thesis). Co-advisor: Darrell Mark.
- Gibson, Nene, *The Effect of Wal-Mart on The Economic Growth of Nebraska Counties*, August 2006 (M.S. Thesis). Co-Advisor: Amalia Yiannaka.
- Zhang, Zhenyu. *Vertical Scale and Scope Economies in U.S. Hog Production*. August 2006 (M.S. Thesis).
- Lei, G. McCabe, *Strategic and Risk Hedging in a Cournot Duopsony With Forward Input Contracts*, December 2004 (M.S. Thesis). Co-Advisor: Amalia Yiannaka.
- Liu, Lian, *Upstream Vertical Control with Downstream Product Differentiation: Price Effects and Implications for Restricting Captive Supplies*, August 2003 (M.S. Thesis).
- Njoroge, Kenneth. *Two Essays on Mandatory Price Reporting and Collusion*, August 2003 (M.S. Thesis). Co-advisor: Konstantinons Giannakas.
- Salvador, Santiago. *Mandatory Price Reporting and Collusion: An Empirical Test*, August 2003 (M.S. Thesis).
- Panagiotou, Dimitrios. *Cointegration, Error Correction, and the Measurement of Oligopsony Conduct in the U.S. Cattle Market*, August 2002 (M.S. Thesis).
- Koura, Takpara. *Cereal Demand in Togo: An Application of the Linear Expenditure System, Rotterdam, and Almost Ideal Demand Systems*, 1999 (Ph.D. dissertation).
- Zongzhan, Chi. *The Farm-Retail Price Spread and Power Structure in the Food Marketing Channel*, 1999 (M.S. thesis).
- Dong Anuong. *Testing the Collusion vs Efficiency Hypothesis in an Oligopoly/Oligopsony Model*, October 1988 (M.S. Thesis).
- Skinner, Cari. *Vertical Economies and the Efficient Structure of Alternative Vertical Structures in Hog Production: An Econometric Analysis*, May 1998 (M.S. Thesis).
- Ayala, Jose. *Implications of Free Trade for the Venezuelan Cereal Sector*. August 1997 (M.S. Thesis)
- Alzoom, Abelaziz. *The Effect of Management on Technical Inefficiency Among Wheat Producers in the Alqassim Region in Saudi Arabia: A Stochastic Production Frontier Analysis*, August, 1995. (Ph.D. dissertation).Co-advisor: Glenn Helmers.

- Weliwita, Ananda. *Identifying Implicit Collusion Under Declining Demand: The Case of Beef Packing*, June, 1995. (Ph.D. dissertation).
- Moussaoui, Mohammed. *Technology Adoption in Morocco's Dryland Agriculture: The Case of Bread Wheat Supplementary Irrigation*, August, 1994 (Ph.D. dissertation).
Co-Advisor: Glenn Helmers.
- Balimwacha, Zaina. *Price Transmission Asymmetry and Market Structure in the Beef and Pork Industry*, May, 1994 (M.S. thesis).
- Zhang, Mingxia. *Testing for Successive Market Power and Bilateral Monopoly in a Multi-Stage Food Production System: The Case of Beef*, December, 1992 (M.S. thesis).
- Britel, Amal. *An Economic Analysis of Alternative Food Grain Subsidy Policies in Morocco*, December, 1990 (M.S. thesis).
- Steigert, Kyle. *Price Spreads and Market Structure in the Beef Packing Industry*, December 1989 (M.S. thesis). (Winner of AAEA Outstanding Master Thesis Award.)
- Tamehmacht, Zineb. *Farm Size and Economic Efficiency in a Sample of Dryland Farms in Morocco: A Profit Function Approach*, December, 1988 (M.S. thesis).

III. GRANTS AND CONTRACTS

The Food Desert Problem: Economic and Space Remedies

Source & date: Ridge Studies for Targeted Studies, 2011

Collaborators: Azzeddine Azzam, John R. Schroeter (Iowa State University).

Amount \$57,809

Multi-Stage Production and Farm Structure: The Case of US Hog Farms

Source & date: USDA CSREES National Research Initiative, 2008

Collaborators: Gayaneh Kyureghian (Principal Investigator), Rodolfo M. Nayga (University of Arkansas). Amount \$34,990

Preparing Women in Leadership in the Food Industry Through Training in Agricultural and Food Industrial Organization

Source & date: USDA CSREES National Needs Fellowships, 2005

Collaborators: Azzeddine Azzam, Konstantinos Giannakas, Jeffrey Royer, Sandra Scofield, Amalia Yiannka. Amount \$128,000

Growth Potential in the Swedish Cooperative Industry

Source & date: Stiftelsen Lantbrukforskning (Swedish Farmers Research Foundation), 2002

Investigators: Hans Andersson & Carl-Johan Lagerkvist (Swedish University of Agricultural Sciences, Uppsala, Sweden), Azzeddine Azzam

Amount: \$50,000

State Corporate Restrictions and Industry Structure

Source & date: USDA's National Research Initiative Competitive Grants Program, 2001

Investigators: Azzeddine Azzam, John. R. Schroeter (Iowa State University); and David Aiken (University of Nebraska-Lincoln)

Amount \$33,000

Measuring Market Power and Cost-Efficiency Effects of Increased Meat Packing Concentration on Meat Price Spreads: The Case of Beef and Pork

Source & date: United States Department of Agriculture, Economic Research Service, 1998

Investigators: Azzeddine Azzam and John R. Schroter (Iowa State University)

Amount \$57,229

Econometric Analysis of Fed Cattle Procurement in the Texas Panhandle

Source & date: United States Department of Agriculture, Packers & Stockyards Administration, 1998

Investigators: Azzeddine Azzam and John R. Schroeter

Amount: \$19,418

Development of Electromagnetic Scanning for Determination of Beef Carcass Lean Content Value Based Marketing

Source & date: National Livestock and Meat Board, 1993

Investigators: Chris Calkins (Animal Sciences) and Azzeddine Azzam

Amount: \$48,921

Evaluating the Performance of the U.S. Meat Packing Industry: Critical Appraisal of Theory, Methodology, and Application

Source & date: United States Department of Agriculture, Packers & Stockyards Administration, 1992

Amount: \$84,000

Economic Consequences of Reverting to Low-Input Agriculture: Implications for the Feed Grain and Livestock Sectors in Nebraska and the Rest of the United States

Source & date: Nebraska Corn Development, Utilization and Marketing Board,
1987, 1990

Investigators: Azzeddine Azzam and Glenn Helmers (University of Nebraska)

Amount: \$70,000

A Quantitative Assessment of Possible Impacts of Vertical Integration On the Hog Industry

Source & date: Nebraska Pork Producers Association, 1990

Investigators: Azzeddine Azzam and Allen Wellman (University of Nebraska)

Amount: \$6,000.

The Impact of Alternative Government Programs on Fertilizer on Chemical Use in Agriculture

Source & date: World Resource Institute, 1990

Investigators: Azzeddine Azzam and Glenn Helmers (University of Nebraska)

Amount: \$20,000

An Economic Analysis of Alternatives for Dealing with Pseudorabies In Nebraska

Source & date: Nebraska Pork Producers Association, 1989

Investigators: Azzeddine Azzam and Larry Bitney (University of Nebraska)

Amount: \$7000

Farm Size and Economic Efficiency in Dryland Crop Production In Morocco

Investigator: Azzeddine Azzam

Source: MidAmerica International Agricultural Consortium, 1987

Amount: \$5000

IV. INVITED PRESENTATIONS

Optimal Commodity Taxation and Consumer Welfare

OCP Policy Center, Rabat, Morocco, April 29, 2014

Hog Industry Structure and the Stringency of Environmental Regulation

Department of Agricultural and Resource Economics, University of Connecticut-
Storrs, March 28, 2014.

Does the United States Exert Market Power in Importing Ethanol from Brazil

Department of Economics, Swedish University of Agricultural Sciences, Uppsala,
Sweden, November 26, 2013

Environmental Regulations and the Structure of the US Hog Industry

Department of Economics, Swedish University of Agricultural Sciences, Uppsala,
Sweden, May 23, 2013

Food Price Policy and Household Welfare: A Case Study of the United Arab Emirates

Faculty of Business and Economics, United Arab Emirates University, Al Ain,
UAE, September 27th, 2011

Measuring Vulnerability of UAE Consumers to Rising Food Prices by Income Group

Dubai Chamber of Commerce and Industry Economics Seminar, Dubai, UAE,
June 22, 2011

Faculty of Business and Economics, United Arab Emirates University, Al Ain,
UAE, September 22, 2011

Department of Economics, Swedish University of Agricultural Sciences, Uppsala,
Sweden, November 9, 2011

*Market Power, Cost-Efficiency, and Risk Effects of Industry Concentration in the GCC
Banking Industry*

Abu Dhabi University College of Business Administration, May 9, 2011

UAE Food Imports: Demand Response, Diversification, and Price Volatility

Dubai Chamber of Commerce and Industry Economics Seminar, March 30, 2011
Dubai Chamber Gulfood Briefing and Networking Event 2011, February 30,
2011

Global and Regional Competitiveness of Dubai Exports

Dubai Chamber of Commerce and Industry Economics Seminar, March 29, 2009

Agricultural Structure: Concentrating on Concentration

Nebraska Pork Industry Day, February 15, 2008
Nebraska Farm Bureau's Legislative Ag Issues Forum, November 8, 2007
IANR Farm Bill In-Service Training, December 9, 2006

Structural Econometric Modelling in Agricultural and Food Industrial Organization

Plenary sessions of the Hassan II Academy of Sciences and Techniques, Rabat,
Morocco, March 21-23, 2007

Wal-Mart and Economic Growth of Nebraska Counties

Rural Institute Conference, Ainsworth, Nebraska, September 19, 2006.
Department of Animal Sciences, UNL, October 18, 2006
Alpha Zeta, October 19, 2006

Vertical Scale and Scope Economies in US Hog Production

Statistics Norway, Oslo, August 30, 2005

Concentration and Price in a Mixed Oligopoly: Evidence from the Swedish Beef Slaughter Industry

Department of Economics and Resource Management, Norwegian University of Life Sciences, As, Norway, August 30, 2005
Dept. of Agricultural, Food, and Resource Economics, Rutgers University, May 3, 2002

Measuring Market Power in Bilateral Oligopoly

Institute for Research in Industrial Economics, Stockholm, Sweden, December 13, 1999
Stockholm School of Economics, Stockholm, Sweden, October 28, 1999
Department of Economics, University of Umeo, Umeo, Sweden, October 22, 1999

Structural Change and Competitiveness in Produce Industry: Methodology and Data Requirements

U.S. Department of Agriculture Economic Research Service Workshop, Washington, D.C. February 19, 1999

Costs and Benefits of Concentration in the Beef Cattle Industry

Nebraska Beef Feedlot Roundtable, College Park, Grand Island, Nebraska, March 4, 1999

The Beef Triad: Demand, Supply, and Packer Concentration

National Cattlemen and National Cattlegirls Annual Convention and Trade Show, Kearney Nebraska, December 2-4, 1998
Nebraska Feedlot Intern Seminar and Reunion, Department of Animal Science, December 11, 1998
Department of Animal Science, University of Nebraska-Lincoln, October 16, 1998

Asymmetry and Stickiness in Retail-Price Transmission: A Spatial Analysis

Department of Economics, The Swedish University of Agricultural Sciences,
Uppsala, Sweden, August 24, 1998.

Department of Agricultural Economics, Ohio State University, March 12, 1998

Measuring Market Power and Cost-Efficiency Effects of Industrial Concentration

Department of Economics University of Stockholm, November 28, 1997

Department of Economics, Swedish University of Agricultural Sciences, November 27, 1998

Department of Economics, University of Nebraska March 7, 1996

Department of Biometry, October 26, 1995

Some Suggestions for Improving the Accuracy and Availability of Data and Information on Retail Prices and Price Spreads for Meats

USDA-ERS Workshop on Retail Prices and Spreads for Meats, Kansas City,
Missouri, December 18, 1996

Assessing Competition in Meatpacking: Economic History, Theory, and Empirical Evidence

Packers and Stockyard Administration, USDA, December 1, 1995

Stochastic Frontier Analysis

Extension Farm Management Summer Meeting, June 21-23, 1995

Agricultural Technology Impact Assessment

CRRA scientists, Settat, Morocco, Oct 13, 1993

USAID, Rabat, Morocco, Nov 16 1993

Annual Meeting of INRA's Socioeconomists, Settat, Morocco, Dec 23, 1993

USAID, MIAC and INRA, Settat Morocco, Jan 26 1994

Directors of Extension Centers, Ben Ahmed, Morocco, April 1994

A Model for Prioritizing Agricultural Research

CRRA scientists, Settat, Morocco, 1994.

Farm Size and Economic Efficiency in Morocco

Aridoculture Center, Settat, Morocco, 1989

U.S. Agriculture in a Global Context

Freshman Agricultural Honors Class, 1989

Marketing Margins and Market Structure

University of Connecticut, Storrs, 1988

International Agriculture

KZUM Radio program "Index." 1988

The Nebraska Rural Transportation Model

Southeast Extension Recognition Day for the Presidents of Country Extension Board, Lincoln, Nebraska, 1988

Macroeconomic Policies, the LDC External Debt and U.S. Agriculture

Midwinter Communities Seminar, Lincoln, Nebraska, 1988

Information, Management Factors and Efficiency in a Sample of Dairy Farms

NC-2 Dairy Breeding and Genetics Conference, Lincoln, Nebraska, 1988

Some Aspects of Biotechnology in International Agriculture

Presented to the Center of Rural Affairs, Fremont, Nebraska, 1987

V. COMMITTEE AND SERVICE ACTIVITIES

1. International:

- Chair of Scientific Committee (Sectoral Economics)- Economic Research Forum Annual Conferences (2002, 2006, 2009, 2010)

2. National and Regional:

- Review Panel of the USDA National Institute of Food and Agriculture Grant Proposals
- Program Reviewer of the Agricultural and Applied Economics Department at Texas Tech University (2014)
- Topic Leader - Industrial Organization/Supply Chain Management. American Agricultural Economics Association Meetings, (2006, 2007, 2008).
- Editorial Board of the *American Journal of Agricultural Economics*
- Editorial Board of *Agribusiness: An International Journal*

- Editorial Council of the *Western Journal of Agricultural Economics*
- NE-165 Executive Committee
- AAEA Outstanding Doctoral Dissertation Awards Committee
- NC-194 Research Sub Committee on Industrial Organization and Trade

3. University:

- UNL Research Council
- Future Nebraska Taskforce (appointed by the university Chancellor)
- Faculty Senate (elected)
- Agricultural Research Division Advisory Council (elected)
- Widamann Trust Distinguished Graduate Assistant Stipend Award Committee (appointed)
- Advisory Committee on Computing Services (appointed)

4. Departmental:

- Chair, Agricultural Economics Graduate Committee
- Chair, Promotion and Tenure Committee
- Chair, Agricultural & Food Industrial Organization Interest Group
- Faculty Advisory Committee
- Seminar Committee
- Graduate Curriculum Review Committee
- Academic Programming Committee