UMESH GAUTAM

Department of Agricultural & Applied Economics | Texas Tech University | Lubbock, TX

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EDUCATION

Ph.D. in Applied Economics, Texas Tech University, Lubbock, TX — Expected Spring 2027

M.S. in Applied Economics, Texas Tech University, Lubbock, TX — Expected Fall 2026

M.A. in Economics, Texas Tech University, Lubbock, TX — 2022

Bachelor of Business Administration, Kathmandu University, Nepal — 2017

RESEARCH FIELDS

International Trade | Industrial Organization | Labor Economics | Production Economics

I develop structural economic models and employ advanced econometric methods, including causal inference, and calibration to evaluate policies by analyzing their effects on trade, production, prices, employment, wages, and welfare across different market structures.

RESEARCH EXPERIENCE

Publications

1. Devadoss, S., and **U. Gautam***. 2026. **Implications of Mass Deportation for US Vegetable Production.** *Journal of Agricultural and Resource Economics* 51(3): 537–553. DOI: 10.22004/ag.econ.376283.
2. **Gautam, U.**, and S. Devadoss. 2026. **Impacts of Deportation on Employment, Wages, and Output in California Vegetable Production.** *Applied Economics Education and Extension* 8(2). DOI: 10.71162/aeee.358040.
3. **Gautam, U.**, and S. Devadoss. 2027 (Forthcoming). **Implications of Stricter Immigration Policies for US Fruit Production.** *Journal of Agricultural and Resource Economics.*

* Authorship is shared equally.

Working Papers

1. **Gautam, U.**, and S. Devadoss. 2026. **Does Market Conduct Matter? Evidence from Global Tree-Nut Trade.** (Job Market Paper)
   Target: *American Journal of Agricultural Economics*
   Global tree-nut trade is modeled using structural gravity with endogenous markups and a representative multiproduct firm in each exporting country. Perfect, monopolistic, Bertrand, and Cournot competition are evaluated against observed trade shares, with Cournot providing the best fit. A free-trade counterfactual predicts substantial differences in trade reallocation and welfare across forms of market conduct. Results remain robust when allowing more symmetric firms per exporting country.

2. **Gautam, U.**, W. Blundell, S. Devadoss, and J. Luckstead. 2026. **Effects of Mergers and Acquisitions on Retail Prices.**
   Target: *Review of Industrial Organization*

Research in Progress

1. **Gautam, U.**, and S. Devadoss. 2026. **Pharmaceutical Mergers, Market Power, and Drug Prices in the United States.** Target: *Review of Industrial Organization*
2. **Gautam, U.**, and S. Devadoss. 2026. **Implications of Tariff Policies in the U.S. Automobile Industry.** Target: *Journal of International Economics*
3. Aryal, S., S. Devadoss, and **U. Gautam**. 2026. **Critical Mineral Trade: A Structural Gravity Analysis.** Target: *Journal of Agricultural Economics*

TEACHING EXPERIENCE

Independent Instructor, AAEC 2301: Agricultural Statistics	Expected Spring 2027
Independent Instructor, AAEC 2305: Fundamentals of Ag. & Applied Economics	Fall 2026
Teaching Assistant, AAEC 6315: Applied Microeconomics I (Ph.D.)	Spring 2026
Teaching Assistant, AAEC 6315: Applied Microeconomics I (Ph.D.)	Spring 2024
Teaching Assistant, ECO 3311: Intermediate Macroeconomics	Fall 2021
Teaching Assistant, ECO 5314: Econometrics	Fall 2020
Teaching Assistant, ECO 2305: Principles of Economics	Spring 2020
Teaching Assistant, ECO 2305: Principles of Economics	Fall 2019

CONFERENCE PRESENTATIONS

Gautam, U., and S. Devadoss, **"Effects of Immigration Enforcement in the U.S. Fruit Sector,"**

Presented at the Western Agricultural Economics Association, Flagstaff, Arizona, June 21–23, 2026.

Gautam, U., and S. Devadoss, **"Implications of Mass Deportation for U.S. Vegetable Production,"**

Presented at the Southern Agricultural Economics Association Annual Meeting, Louisville, Kentucky, February 2026.

Gautam, U., and S. Devadoss, **"Implications of Mass Deportation for U.S. Vegetable Production,"**

Presented at the Three Minute Thesis (3MT) Competition, Texas Tech University, October 2025.

Gautam, U., and S. Devadoss, **"Implications of Mass Deportation for U.S. Vegetable Production,"**

Presented at the Davis College Poster Competition, Texas Tech University, October 2025.

HONORS & AWARDS

Bloom Award April 2026
Spring into Discovery Research Slam Competition, Texas Tech University.
Consequences of Stricter Immigration Enforcement for U.S. Vegetable Production.

Summer Thesis/Dissertation Research Award, Texas Tech University 2025

Graduate Student Mentor, Davis College Gordon and Joyce Davis Endowed Scholarship, Texas Tech University 2025

Graduate Student Mentor, Davis College Gordon and Joyce Davis Endowed Scholarship, Texas Tech University 2024

HONORS & AWARDS (CONTINUED)

Study Abroad Competitive Scholarship, Texas Tech University 2020

Winner, Advertisement Competition, Kathmandu, Nepal 2017

First Runner-up, National Management Festival, Kathmandu, Nepal 2016

Global Commitment Award, Global Enterprise Experience, New Zealand 2015

RESEARCH GRANTS

"Ethnic Population in the United States and Vegetable Imports" (2025)

Davis College Undergraduate Research Grant, Texas Tech University | $12,000

Project Director: Stephen Devadoss | Undergraduate Student: Shin Naing
Graduate Student Mentor: **Umesh Gautam**

"U.S.-Mexico GM Corn Trade Dispute" (2024)

Davis College Undergraduate Research Grant, Texas Tech University | $12,000

Project Director: Stephen Devadoss | Undergraduate Student: Chase Hall
Graduate Student Mentor: **Umesh Gautam**

TECHNICAL SKILLS

R | Stata | Python | LaTeX/LyX

JOURNAL REFEREE

Applied Economics Education and Extension

PROFESSIONAL SERVICE

Session Moderator, "Labor, Automation, and Migration," WAEA Annual Meeting June 2026

Coordinator, Annual Co-Curricular Events, Kathmandu University, Nepal 2016

Organizer, Annual Co-Curricular Events, Kathmandu University, Nepal 2014

Organizer, KUSOM Annual Festival, Kathmandu University, Nepal 2014–2016

VOLUNTEER SERVICE

Volunteer, Eco-Carnival, Kathmandu University, Nepal 2013–2015

REFERENCES

Dr. Stephen Devadoss | Professor and Emabeth Thompson Endowed Professor

Department of Agricultural and Applied Economics, Texas Tech University | stephen.devadoss@ttu.edu

Dr. Benaissa Chidmi | Associate Professor

Department of Agricultural and Applied Economics, Texas Tech University | benaissa.chidmi@ttu.edu

Dr. Michael Noel | Professor

Department of Economics, Texas Tech University | michael.noel@ttu.edu

Dr. Jeffrey Luckstead | Distinguished Professor of Agricultural and Resource Economics

School of Economic Sciences, Washington State University | jluckstead@wsu.edu