

PERSONAL INFORMATION

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RESEARCH INTERESTS

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Commodity Markets, Financial Economics, Risk Management, Agricultural Economics

EDUCATION

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**Iowa State University (ISU), Ames, Iowa, USA**

Ph.D. in Economics (Aug, 2019 - May, 2024)  
*Thesis:* "Option-implied information in agricultural commodity markets"  
*Major professor:* [Dr. Sergio H. Lence](#)

**Indian Institute of Technology (IIT) Kanpur, India**

Master of Science in Economics (Jul, 2016 - Jun, 2017)  
*Thesis:* "Transgenic varieties and productive efficiency of cotton farmers in Pakistan"  
*Supervisor:* [Dr. Deep Mukherjee](#)

Bachelor of Science in Economics (Jul, 2012 - Jun, 2016)  
*Under Graduate Project:* "Drivers of greenhouse gas emissions in the United States: revisiting STIRPAT model"  
*Supervisor:* [Dr. Deep Mukherjee](#)

**Central Hindu Boys' School, Banaras Hindu University (BHU), Varanasi, India**

All India Senior School Certificate Examination, CBSE Board (2010 - 2011)

All India Secondary School Examination, CBSE Board (2008 - 2009)

PROFESSIONAL EXPERIENCE

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**Centre for Advanced Financial Research and Learning (CAFRAL), Reserve Bank of India, Mumbai, India** (Jun, 2018 - Apr, 2019)

Research Associate  
*Supervisor:* [Dr. Urvi Neelakantan](#)

**Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India** (Nov, 2017 - May, 2018)

Research Associate  
Finance Research Group  
*Supervisor:* Dr. Susan Thomas

**Technical University of Munich (TUM), Freising, Germany** (Aug, 2017 - Sep, 2017)

Visiting Researcher  
Chair for Agricultural Production and Resource Economics  
*Supervisor:* [Dr. Johannes Sauer](#)

**Indian Institute of Technology (IIT) Kanpur, India** (May, 2016 - Jun, 2016; Dec-2016)

Research Assistant  
*Project:* "Financial Integration in the SAARC Region: Empirical Analysis and Policy Issues", fully sponsored by the Indian Council of Social Science Research (ICSSR), New Delhi, India.

Supervisor: [Dr. Wasim Ahmad](#)

**Competition Commission of India (CCI), New Delhi, India**

(Dec, 2015)

Intern

Project: “Geographical Market Definition: New Approaches and Challenges”

Supervisor: Mr. Arvind Kumar Anand

TEACHING EXPERIENCE

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**Primary Instructor:** Principles of Microeconomics (Teaching evaluation: 4.2/5.0) (Fall 2022)

*Teaching Assistant:* Agricultural Marketing, Agriculture, Food & Trade Policy, Principles of Microeconomics, Laboratory in Principles of Microeconomics, Principles of Macroeconomics

WORKING PAPER

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1. “Market Stress in Agricultural Markets: Can Alternative Implied Volatility Measures Predict It?.” *Job Market Paper* (With S. Lence)

JOURNAL ARTICLE

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1. “Drivers of greenhouse gas emissions in the United States: revisiting STIRPAT model.” *Environment, Development and Sustainability*, 21 (2019): 3015–3031. (With D. Mukherjee) [[Link](#)]

BOOK CHAPTERS

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1. “Agricultural productivity in Bihar and its determinants: A district level analysis.” (2020) In Chakraborty et al. (Ed.), *Contemporary Issues in Sustainable Development: The Case of India*, Routledge, (With D. Mukherjee and A. Sapre) ISBN 9781138227101 [[Link](#)]
2. “Factors Influencing the SAARC’s Bilateral Trade: Evidence from Spatial Econometrics Models.” (2020) In Sehgal et al. (Ed.), *Economic and Financial Integration in South Asia: A Contemporary Perspective*, Routledge, (With W. Ahmad and S. Sehgal) ISBN 9780815380139 [[Link](#)]

CONFERENCE PRESENTATION

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2023 Agricultural and Applied Economics Association (AAEA) Annual Meeting (Washington, D.C.)

GRANTS & HONORS

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Agricultural & Applied Economics Association (AAEA) travel grant (July, 2023)

TUM Graduate School PhD Opportunity Grant, Technical University of Munich, Germany (Aug, 2017 - Sep, 2017)

Merit-cum-Means Scholarship, IIT Kanpur, India (Jan, 2013 - Jun, 2017)

TECHNICAL SKILLS

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**Programming Languages:** Python, R, MATLAB, C

**Database Management System:** SQLite

**Statistical Package:** Stata

**Documentation:** L<sup>A</sup>T<sub>E</sub>X

OTHER INFORMATION

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**Citizenship:** India

**Languages:** English (native), Hindi (native)

## REFERENCES

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**Dr. Sergio H. Lence** (Major professor)

Professor and Marlin Cole Chair of International Agricultural Economics

Department of Economics

Iowa State University

[shlence@iastate.edu](mailto:shlence@iastate.edu)

**Dr. David A. Hennessy** (Committee member)

Professor of Economics

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**Dr. Chad E. Hart** (Committee member)

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