

# SINY JOSEPH

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[Siny's Webpage](#)

## Education

- 2009 **Doctor of Philosophy**, Resource Economics, *University of Massachusetts*, Amherst
- 2008 **Master of Science**, Resource Economics, *University of Massachusetts*, Amherst
- 2003 **Master of Business Administration**, Marketing, *West Bengal University of Technology*, India
- 2000 **Bachelor of Engineering**, Instrumentation & Control Engineering, *Gujarat University*, India

## Academic & Professional Appointments

- 2022- present **Professor of Economics**, Department of Integrated Studies, *Kansas State University*
- 2023- present **Senior Research Fellow**, College of Health, *Lehigh University*
- 2014- present **Affiliate Professor**, Department of Agricultural Economics, *Kansas State University*
- 2017- 2022 **Associate Professor of Economics**, Department of Integrated Studies, *Kansas State University*
- 2012- 2017 **Assistant Professor of Economics**, Department of Integrated Studies, *Kansas State University*
- 2012- 2014 **Junior Adjunct Researcher**, *Power Systems Engineering Research Center*
- 2010- 2012 **Assistant Professor of Economics**, Division of Business, *Newman University*
- 2008 **Instructor**, Department of Resource Economics, *University of Massachusetts Amherst*
- 2003 **Marketing Executive**, *CitiFinancial*, India

## Awards & Recognitions

- 2022 Recipient of **Rex McArthur Family Faculty Fellow Award** for Teaching, Research, and Service Contributions by Kansas State University Salina
- 2019 Recognized as **Professor of the Week** at Kansas State University
- 2018 Recipient of **Marchbanks Memorial Award for Teaching Excellence** by Kansas State University Salina
- 2018 Recipient of the **Big 12 Faculty Fellowship** by Kansas State University
- 2015 Recipient of the **Outstanding Professional Presentation Award** by Kansas State University Salina
- 2014 Recipient of the **Annual Coffman Leadership Institute Fellowship** by Kansas State University
- 2014 Recipient of the **Peer Review of Teaching Fellowship** by Kansas State University
- 2013 Recognized as **Academy for Student-Centered Learning Scholar** at Kansas State University
- 2013 Recipient of **Wakonse Teaching Fellowship** by Kansas State University

## Funded Grants

- 2024- 2027 Convergence Accelerator Phase 2 Track H: Visit Unknown Places Confidently: Mapping for Accessible Built Environments (MABLE), *National Science Foundation (NSF)*, **(Co-PI)**, (Total \$5,000,000)
- 2022- 2023 Convergence Accelerator Phase 1 Track H: Towards a Community-Driven Framework for the Creation and Impact Analysis of Digital Accessibility Maps

- with Persons with Disabilities, *National Science Foundation (NSF)*, (**Co-PI**), (Total \$750,000)
- 2020- 2024 SCC-IRG Track 2: CityGuide: Seamless and Inclusive Location-Based Services for Communities, *National Science Foundation (NSF)*, (**Co-PI**), (Total \$1,122,749)
- 2020- 2022 Targeted Skills Development to Advance Manufacturing in Kansas, *Kansas Department of Commerce*, (**Co-PI**), (Total \$398,100)
- 2019- 2023 AgProfit: Training, Developing, and Mentoring Beginning Cattle, Dairy, and Feed Producers, *United States Department of Agriculture (USDA)*, (**Co-PI**), (Total \$600,000)
- 2019 Open/Alternative Textbook Initiative, *Kansas State University*, (**PI**), (Total \$5,000)

## Journal Articles/ Book Chapters

**Joseph, S.**, and Vinod Namboodiri. (2023) “Measuring Economic Benefits of Built Environment Accessibility Technologies for People with Disabilities.” *Studies in Health Technology and Informatics*, Vol. 306: 381-388. doi:10.3233/SHTI230648

Jackson, M., and **Siny Joseph**. (2023). ‘Strategy and Economics of Space Missions’, Chapter 15 (Section 3 – Warfare, Hypersonics and Materials), p.p. 581 – 618, Published in ‘Cyber-Human Systems, Space Technologies, and Threats’, Edited by Nichols, R. K.; Carter, C.M., Diebold, C., Drew, J. , Farcot, M., Hood, J.P, Jackson, M.J., Johnson, P., Joseph, S., Khan, S., Lonstein, W.D., McCreight, R., Muehlfelder, T., Mumm, H.C., Ryan, J.C.H., Sincavage, S. M., Slofer, W., & Toebe, J. 17 Chapters (p.p. 1 – 672). Published by *New Prairie Press* (Kansas State University Libraries), Manhattan, Kansas, USA. August 2023.

Jackson, M., and **Siny Joseph**. (2022). ‘Manufacturing in Space’, Chapter 4 (Section 1 – Emerging Space Technologies), p.p. 233 – 283, Published in ‘Space Systems: Emerging Technologies and Operations’, Edited by R. K. Nicholls, C. Carter, J. P. Hood, M. J. Jackson, S. Joseph, H. Larson, W. Lonstein, R. Mai, R. McCreight, H. Mumm, M. Oetken, M. Pritchard, J. Ryan, S. Sincavage and W. Slofer. 10 Chapters (p.p. 1 – 596). Published by *New Prairie Press* (Kansas State University Libraries), Manhattan, Kansas, USA. October 2022.

**Joseph, S.**, and John Lawrence. (2019) “Effect of Bulk Solids Handling Education on the Cost Savings- Benefit for Industries Handling Bulk Solids.” *Powder and Bulk Solids*, Vol. 37, No. 8, pp 16-21, July.

Argade, S., Aravinthan, V., Büyükahtakın, E., and **Siny Joseph**. (2019) “Performance and Consumer Satisfaction-Based Bi-Level Tariff Scheme for EV Charging as a Virtual Power Plant.” *IET Generation, Transmission & Distribution*. Vol. 13, Issue 11, pp. 2112-2122. <https://doi.org/10.1049/iet-gtd.2018.5754>

**Joseph, S.**, Oh, J., and Patricia Ackerman. (2018) “Quest- A Hybrid Faculty Teaching and Learning Community.” *Journal of Continuing Higher Education*, Vol. 66, Issue 1, pp 46-53. DOI: [10.1080/07377363.2018.1416255](https://doi.org/10.1080/07377363.2018.1416255)

Venkitachalam, V. S., Namboodiri, V., **Joseph, S.**, Dee, E., and Charles A. Burdsal (2015). “What, Why, and How: Surveying what consumers want in new mobile phones.” *IEEE Consumer Electronics Magazine*, Vol. 4, Issue 2, pp. 54-59, April. DOI: [10.1109/MCE.2015.2390651](https://doi.org/10.1109/MCE.2015.2390651)

**Joseph, S.**, Namboodiri, V., and Vishnu D. Cherusola (2014). “A Market-Driven Framework towards Environmentally Sustainable Mobile Computing”. *ACM SIGMETRICS Performance Evaluation Review*, Vol. 42, Issue 3, pp. 46-48, December.  
<https://doi.org/10.1145/2695533.2695554>

**Joseph, S.**, Namboodiri, V., and Vishnu D. Cherusola (2014). “Towards Environmentally Sustainable Mobile Computing through an Economic Framework,” *IEEE Transactions on Emerging Topics in Computing*,” Vol. 2, No. 2, pp 212-224, June.  
DOI: [10.1109/TETC.2013.2296521](https://doi.org/10.1109/TETC.2013.2296521)

**Joseph, S.**, Lavoie, N., and Julie A. Caswell (2014). “Implementing COOL: Comparative Welfare Effects of Different Labeling Schemes.” *Food Policy*, Vol. 44, pp 14-25, February.  
<https://doi.org/10.1016/j.foodpol.2013.10.008>

Namboodiri, V., Aravinthan, V., **Joseph, S.**, Sawan, E., and Ward Jewell (2013). “Five Heads are Better than One---An Inter-Disciplinary Graduate Course on Smart Grids: Lessons, Challenges, and Opportunities,” *IEEE Power and Energy Society Magazine - Special Issue on Collaborative Smart Grid Education*, pp 44-50, January. DOI: [10.1109/MPE.2012.2225231](https://doi.org/10.1109/MPE.2012.2225231)

Namboodiri, V., and **Siny Joseph** (2012). Handbook of Energy-Aware and Green Computing. *Chapman and Hall/CRC*. Chapter “Towards Sustainable Portable Computing,” Edited by Ishfaq Ahmed and Sanjay Ranka.

Caswell, J. A., and **Siny Joseph** (2007). “Consumer Demand for Quality: Major Determinant for Agricultural and Food Trade in the Future?” *Journal of International Agricultural Trade and Development*. Vol. 4, Issue 1, pp 99-116.

Namboodiri, N.V., and **Siny Joseph** (2007). Challenges to Sustainable Agri-Food Systems. *I.K. International Publishing House*. Chapter “Participatory Natural Resource Management: Community based Rainwater Harvesting System in Gujarat,” Edited by P.G. Chengappa, N. Nagaraj and R. Kanwar, pp 285-292.

### **Peer-Reviewed Conference Presentations & Workshop Publications**

Jackson, M. J., Whitfield, M. D., **Joseph, S.**, Davis, R., and R. B. Da Silva. (2024) “Fundamentals of Manufacturing in Microgravity Space Environments”, Programme and Proceedings of the *International Scientific Conference (AMME & bio 2024)*, Edited by Prof. L.A. Dobrzański and Dr M. Kraszewska, Abstract IV, p.p. 42, May 2024, Published by the Academy of Mechanical and Manufacturing Engineering, Gliwice, Poland. ISBN 978-83-63553-51-7.

**Joseph, S.**, and Vinod Namboodiri. (2024). “The Economics of Investments in Accessibility for Persons with Disabilities,” in *International Conference on Computers Helping People with Special Needs - ICCHP 24*, Edited by A Petz and K. Miesenberger, Published in Open Access Compendium, “Future Perspectives on Accessibility, AT and e(Inclusion),” JKU Linz, Austria, July.

**Joseph, S.**, and Vinod Namboodiri. (2023). “Measuring Economic Benefits of Built Environment Accessibility Technologies for People with Disabilities,” *17th International Conference of the Association for the Advancement of Assistive Technology (AAATE)*, Paris, France, August.

Namboodiri, V., Abraham, A., Garfias, F. J. R., and **Siny Joseph**. (2022). “On the Application of Accessible Wayfinding Systems for *Tourism*”, *2022 IEEE 2nd IoT Vertical and Topical Summit for Tourism (IoTT)*, Catania, Italy, Sept.

**Joseph, S.**, C. Brond, and Vinod Namboodiri. (2022). “Economic Impact of Adopting Assistive Technologies on Quality Adjusted Life Years and Work Productivity,” *Seventh International Conference on Universal Accessibility in the Internet of Things and Smart Environments*, (SMART ACCESSIBILITY 2022), Porto, Portugal, June.

**Siny Joseph** (2021). “Open/Alternative Textbook Adoption in Econ 101.” *The 10th Annual AEA Conference on Teaching and Research in Economic Education (CTREE)*, Virtual, June.

**Joseph, S.**, and Vinod Namboodiri (2020). “Assessment of Economic Value of Assistive Technologies through Quality-Adjusted Work-Life Years (QAWLY),” in *Computers Helping People with Special Needs - 17th International Conference*, ICCHP 2020, Lecco, Italy, September 9-11, 2020, Proceedings, Part II, ser. Lecture Notes in Computer Science, K. Miesenberger, R. Manduchi, M. C. Rodriguez, and P. Penáz, Eds., vol. 12377. Springer, 2020, pp. 480–488. [https://doi.org/10.1007/978-3-030-58805-2\\_57](https://doi.org/10.1007/978-3-030-58805-2_57)

**Joseph, S.**, and Greg Stephens (2020). “Impact of “FarmStarts” on Mitigating Barriers of U.S. Organic Dairy Farming for Beginning Organic Dairy and Feed Producers in Twelve Mid-Western States,” *2020 Agricultural and Applied Economic Association Meeting*, Kansas City, MO, July.

Lavoie, N, and **Siny Joseph** (2020). “Trade War and Incomplete Labeling Regulation: Lose-Lose Situation for U.S. Consumers” *2020 Agricultural and Applied Economic Association Meeting*, Kansas City, MO, July.

**Joseph, S.**, Oh, J., Raju Dandu (2019). “Adapting Graduate Courses to Meet Industry Needs”. *2019 American Society for Engineering Education*, Tampa, FL, June. DOI: 10.18260/1-2-32034

**Joseph, S.**, and Vinod Namboodiri (2019). “Auxiliary location-based services for persons with disabilities: What do city planners and non-profit agencies think?” in *The 21st International ACM SIGACCESS Conference on Computers and Accessibility*, ASSETS 2019, Pittsburgh, PA, USA, October 28-30, 2019, J. P. Bigham, S. Azenkot, and S. K. Kane, Eds. ACM, 2019, pp. 621–623. <https://doi.org/10.1145/3308561.3354631>

**Joseph, S.**, and Greg Stephens (2019). “Mitigating Barriers of U.S. Organic Dairy Farming: Impact of Educational Programs on Beginning Organic Dairy and Feed Producers in Six Mid-Western States.” *2019 Agricultural and Applied Economic Association Meeting*, Atlanta, GA, July.

**Siny Joseph** (2019). “Partial TBL in Econ 101: Adaptations in Content Versus Format.” *2019 National Conference on Teaching and Research in Economic Education (CTREE)*, St. Louis, MO, May.

**Siny Joseph** (2019). “Training, Developing and Mentoring Beginning Organic Dairy and Feed Producers.” *Southern Agricultural Economic Association Meeting*, Birmingham, Al, February.

**Siny Joseph** (2018). “Economic Analysis of Implementing a Wayfinding System for the Blind and Visually Impaired.” *Envision Conference*, Wichita, KS, August.

Oh, J., **Joseph, S.**, and Patricia Ackerman (2017). “Community Building with F2F and Online Faculty Teaching Exchange Program”. *Lilly Conference on Evidence-Based Teaching and Learning*, Anaheim, CA, February.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2016). “Quest- A Virtual Faculty Teaching Community”. *2016 AAEA Annual Meeting*, Boston, Massachusetts, July.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2016). “Quest- A Virtual Faculty Teaching Community”. *2016 Teaching Professor Technology Conference*, Atlanta, Georgia, October.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2016). “Quest- A Virtual Faculty Teaching Community”. *3rd Annual Big XII Teaching & Learning Conference*, Manhattan, KS, June.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2015). “Transforming Teaching Culture through an Interdisciplinary Faculty Teaching Exchange Program”. *2015 AAEA & WAEA Joint Annual Meeting*, San Francisco, California, July.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2015). “Transforming Teaching Culture through an Interdisciplinary Faculty Teaching Exchange Program”. *2015 Teaching Professor Conference*, Atlanta, Georgia, May.

**Joseph, S.**, Oh, J., and Patricia Ackerman (2015). “Transforming Teaching Culture through an Interdisciplinary Faculty Teaching Exchange Program”. *2nd Annual Big XII Teaching & Learning Conference*, Stillwater, OK, July.

**Joseph, S.**, Namboodiri, V., and Vishnu D. Cherusola (2014). “A Market-Driven Framework Towards Environmentally Sustainable Mobile Computing”. *Greenmetrics 2014 Workshop*, Austin, Texas, June.

**Joseph, S.**, Lavoie, N., and Julie A. Caswell (2013). “COOL Effects on U.S. Shrimp Trade.” *2013 AAEA-CAES Joint Annual Meeting*, Washington D.C., August.

**Joseph, S.**, Lavoie, N., and Julie A. Caswell (2009). “Implications of COOL on U.S. Shrimp Trade: An Empirical Analysis.” *2009 Annual NAREA Conference*, Burlington, Vermont, June.

**Joseph, S.**, Lavoie, N., and Julie A. Caswell (2009). “Implications of COOL on U.S. Shrimp Trade: An Empirical Analysis.” *NEC-63/FAMPS Spring 2009 Conference*, San Diego, California, February.

**Joseph, S.**, and Nathalie Lavoie (2008). “Effectiveness of COOL in the U.S. Seafood Industry.” *AAEA Annual Meeting*, Orlando, Florida, July.

**Joseph, S.**, and Nathalie Lavoie (2008). “Effectiveness of COOL in the U.S. Seafood Industry.” *CAES-NAREA Annual Meeting*, Quebec City, Canada, June.

Namboodiri, N.V., and **Siny Joseph** (2007). “Participatory Natural Resource Management: Community based Rainwater Harvesting System in Gujarat.” *International Conference on 21st Century challenges to sustainable Agri-food systems*, Bangalore, India, March.

Caswell, J. A. and **Siny Joseph** (2006). “Consumers’ Food Safety, Environmental, and Animal Welfare Concerns: Major Determinants for Agricultural and Food Trade in the Future?” Invited paper presented at the *International Agricultural Trade Research Consortium (IATRC) Summer Symposium on “Food Regulation and Trade: Institutional Framework, Concepts of Analysis and Empirical Evidence.”* Bonn, Germany, May.

### Speaker Invitations

- 2024 “Community-Driven Assistive Technologies” Workshop, Lehigh University
- 2023 “Introducing MABLE- Mapping for Accessible Built Environments”, AICHE’s Disabilities Outreach & Inclusion Community (DORIC), Houston
- 2023 “Role of Community Partnerships towards development of MABLE”, Olathe People with Disabilities Advisory Board meeting, Olathe
- 2022 “Seamless, Scalable and Inclusive Location-based Services for Communities”, Jyothishmathi Institute of Technology and Science, India
- 2022 “Building Interdisciplinary Collaborations to Transform Food and Agriculture into Circular Systems: A Mid-Career Mentoring AAEA Workshop”, Kansas City
- 2021 “Listening to Diverse Voices of AAEA”, virtual
- 2021 “Proposed Minimum Wage of 15\$/hour”, Kansas State University Salina Student Government Association sponsored session
- 2020 “Economic Impacts of Covid-19”, Salina Media Connection’s television show
- 2018 “Friendly Fire”, KSAL local radio show
- 2016 NSF GRFP panelist for information session at Wichita State University
- 2013-2017, 2022, 2024 “Interdisciplinary Research Highlights”, Kansas State University Salina’s Professional Day

### Professional Development

- 2022 Your Leadership Edge, *Kansas Leadership Center*
- 2023 Lead for Change, *Kansas Leadership Center*
- 2022 Introduction to Data Science, and Machine Learning courses, *Kansas State University*
- 2014 Mentee in the Mentoring Program, *Applied and Agricultural Economic Association*

### Professional Service Activities

External examiner, PhD Dissertation, Department of Agricultural Economics, *Annamalai University, Tamil Nadu, India* (2025)

Reviewer and panelist, *NSF GRFP, SCC, SBIR/STTR* (2015, 2017, 2021, 2023)



Reviewer, *USDA Agricultural Marketing Service VAPG, MPIRG, FMLFPP* (2018, 2020, 2021, 2023, 2024)

Reviewer and panelist, *USDA National Institute of Food and Agriculture AFRI* (2015)

Consultant, NSF funded project “*Promoting Adoption of Team-Based Learning Pedagogy in College Economics Classes*” (2018, 2019, 2022)

Consultant, USDA funded project “*Training, Developing, and Mentoring Beginning Organic Dairy and Feed Producers*” (2016-2019)

Reviewer, abstracts/papers in the following conferences: *Smart Accessibility* (2023, 2024), *Agricultural & Applied Economic Association Annual Meeting (AAEA)* (2015, 2019, 2020), *American Society for Engineering Education (ASEE) Annual Conference and Exposition* (2020, 2021), *Accelerating Systemic Change Network Transforming Institutions Conference* (2019)

Reviewer, papers in the following journals: *Public Library of Science ONE* (2022), *Agricultural Economics* (2018), *Applied Economic Perspectives & Policy* (2018, 2019), *Food Policy* (2014), *Journal of Food Research* (2013), *International Journal of Economics and Business Research* (2013, 2017), *Spanish Journal of Agricultural Research* (2008).

Moderator and Discussant, *Agricultural & Applied Economic Association Annual Meeting (AAEA)* (2014, 2019, 2020)

Moderator and Discussant, *National Conference on Teaching and Research in Economic Education (CTREE)* (2019, 2021, 2024)

## Major University Service Activities

- 2024-2025 Mentor, Tenure-track faculty member, *Kansas State University Salina*.
- 2023 Member, Next-Gen K-State Strategic Planning Task Force on Jobs and Economies, *Kansas State University*
- 2022 Mentor, Tenure-track faculty member, *Kansas State University Salina*.
- 2019 Reviewer, Global Food System Seed Grants, *Kansas State University*
- 2019 Mentor, Tenure-track faculty member, *Kansas State University Salina*.
- 2017 Reviewer, Small Research Grants, *Kansas State University*
- 2015- 2017 Reviewer, Undergraduate Research Showcase Program, *Kansas State University Salina*
- 2022- present Member, Graduate Council Student Affairs and Planning, *Kansas State University*
- 2022- 2023 Member, Graduate Council Assessment and Review, *Kansas State University*
- 2021 Chair, Business Faculty search, *Kansas State University Salina*
- 2021- present Member, College Committee on Planning, *Kansas State University Salina*
- 2019- present Member, Retention and Diversity, *Kansas State University Salina*
- 2016- present Member, Faculty/Staff Affairs, *Kansas State University Salina*
- 2016- present Member, Department Planning, *Kansas State University Salina*
- 2016 Member, Executive Director for Enrollment, *Kansas State University Salina*
- 2015 Member, English Faculty search, *Kansas State University Salina*
- 2013 Member, Engineering Technology Department Head search, *Kansas State University Salina*
- 2012- present Member, Awards/Scholarship, *Kansas State University Salina*
- 2011- 2012 Member, Core Curriculum, *Newman University*

- 2010- 2012 Member, Library Committee, *Newman University*
- 2006- 2008 Member, Graduate Studies, *University of Massachusetts Amherst.*
- 2008 Member, Resource Economics Faculty and post-Doc search, *University of Massachusetts Amherst.*

## Classes Taught

### *Graduate Courses:*

- Spring 2023- present Research Methods, *Kansas State University Salina*
- Spring 2015- 2021 Informatics and Technology Management, *Kansas State University Salina*
- 2010-2012 Managerial Economics, *Newman University.*

### *Undergraduate Courses:*

- 2012- present Principles of Microeconomics, *Kansas State University Salina*
- 2012- present Principles of Macroeconomics, *Kansas State University Salina*
- Fall 2012- 2016 Money and Banking, *Kansas State University Salina*
- 2010- 2012 Principles of Economics, *Newman University*
- Spring 2011- 2012 Intermediate Economics, *Newman University*

## Students Mentored

### *Committee member on Graduate Research:*

- 2024 Eric Roden “Beyond Design-Bid-Build Contracting for Federally Funded Airport Projects. A Review of Current Regulations on the Use of Alternative Project Delivery Methods” Master’s Thesis. Kansas State University
- 2022 Trevor Baker “How IIOT (Industrial Internet of Things) Can Influence Asset Management”. Capstone Project. Kansas State University
- 2022 Susie Green “The Consequences of E-Waste”. Capstone Project. Kansas State University
- 2018 Carrie Padgette “Routing Issues of the Kansas National Guard Distance Learning Classrooms”. Capstone Project. Kansas State University
- 2017 Ramon Ortega “Integration of Database Infrastructure to CMDB Servicenow Repository”. Capstone Project. Kansas State University
- 2016 Sachin Argade “Stochastic Load and Renewable Resource Control for Smart Distribution System”. Ph. D. Dissertation. Wichita State University
- 2014 Vijay Venkitachalam “What Consumers Want in New Phones, Why, and How Often with Implications for the Environment”. Masters Project. Wichita State University

### *Undergraduate research advisees:*

- 2023-present Jeky Kim “Market analysis of accessible assistive technology apps”
- 2023 Sivy Sivongsay “Qualifying the scope and impact of increased accessibility at conference venues and academic institutions to skilled persons with disabilities (PWDs)”
- 2021-2023 Caden Brond “Developing instruments to measure quality of life and work life with adoption of assistive and accessible technologies”