

Bijesh Mishra, Ph.D.

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Georgia Institute of Technology, College of Liberal Arts

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Last Updated: June 2, 2025

EDUCATION

- ✓ Ph.D., Resource Economics, Ph.D. Minor in Statistics and Ph.D. Minor in Agricultural Economics, August 2018 – July 2022, Oklahoma State University, Stillwater, OK.
- ✓ M.S., Environmental Studies, January 2015 – May 2017, Kentucky State University, Frankfort, KY.
- ✓ B.Sc., Agriculture, Agricultural Economics, July 2009 – June 2013, Tribhuvan University, Kathmandu, Nepal.

RESEARCH AND EXTENSION

- ✓ Postdoc, June 2025 – Ongoing, Georgia Institute of Technology, Atlanta, GA.
- ✓ Post-doctoral Fellow, October 2022 – May 2025, Auburn University, Auburn, AL.
- ✓ Ph.D. Research Associate, August 2018 – September 2022, Oklahoma State University, Stillwater, OK
- ✓ Research Assistant, October 2017 – July 2018, Kentucky State University, Frankfort, KY.
- ✓ M.S. Research Assistant, January 2015 – September 2017, Kentucky State University, Frankfort, KY.
- ✓ Agriculture Extension Officer, January 2014 – December 2014, *Suaahara* (Good Food), Rasuwa, Nepal.

PUBLICATIONS ¹:

Peer-reviewed Refereed Journals Papers:

10. ²Anand, M., **Mishra, B.**, Miao, R., Khanna, M. (2025). Exploring feedstock pathways to three billion gallons of sustainable aviation fuel: the role of contracts and bioenergy crop insurance. *Applied Economic Perspective and Policy* (In review).
9. **Mishra, B.**, Miao, R., Musa, N.³, Brothers, D., Khanna, M., Rabinowitz, A.N., Mwebaze, P., and McCall, J. (2025). Specialty crop agrivoltaics in the Southeastern USA: profitability and the role of Rural Energy for America Program. *Choices*, 40(1). <https://bit.ly/3Cz5Chf>
8. Hanby, G. Zhai, Lu, **Mishra, B.**, Joshi, O. (2025). A comprehensive outlook on drought-caused economic losses and landowners' perceptions concerning drought and erratic rainfall patterns. *Forest Policy and Economics*, 170, 103405. <https://doi.org/10.1016/j.forpol.2024.103405>
7. **Mishra, B.**, Joshi, O., Masters, R.E., McKinney, C. Adhikari, A., Zou, C.B., Will, R.E. (2023). Economic returns and the perceived obstacles to adopting active management in the forest-grassland transition ecoregion in south-central USA. *Journal of Environmental Management*, 343, 118225. <https://doi.org/10.1016/j.jenvman.2023.118225>
6. McKinney, C.M., Masters, R. E., Adhikari, A., **Mishra, B.**, Joshi, O., Zou, C.B., Will, R. (2023). Forage quantity and protein concentration changes across a forest-savanna gradient with management

¹ Google Scholar citations = 181, Google scholar h-index = 5, and Google scholar i10-index = 3

² Anand and Mishra contributed equally to this paper.

³ MS student (Agricultural Economics) mentored by Dr. Mishra as a postdoc at Auburn University.

implications for white-tailed deer. *Forest Ecology and Management*, 538, 120987.

<https://doi.org/10.1016/j.foreco.2023.120987>.

5. **Mishra, B.**, Joshi, O., Chapagain, B.P., Lambert, L.H., Will, R.E. (2023). Intentions of landowners towards active management of the ecosystem for deer habitat. *Environmental Management*, 72, 529-539. <https://doi.org/10.1007/s00267-023-01810-3>.
4. Jeffries, K.⁴, **Mishra, B.**, Russell, A., Joshi, O. (2023). Exploring opinions for using prescribed fire to control eastern redcedar (*Juniperus virginiana*) encroachment. *Rangeland Ecology and Management*, 86, 73-79. <https://doi.org/10.1016/j.rama.2022.10.002>.
3. **Mishra, B.**, Sandifer, J., Gyawali, B.R. (2019). Urban heat island in Kathmandu: evaluating the relationship between NDVI and LST from 2000 to 2018. *International Journal of Environment*, 8(1), 17-29. <http://dx.doi.org/10.3126/ije.v8i1.22546>.
2. Antonious, G. F., Turley, E., **Mishra, B.**, Heist, Q., Upadhyaya, Y., Trivette, T., Nkuwi, L. (2019). Characterization of eggplant grown in animal manure amended soil. *International Journal of Environmental Health Research*, 30(5), 492-503. <https://doi.org/10.1080/09603123.2019.1602252>.
1. **Mishra, B.**, Gyawali, B.R., Poudyal, N.C., Paudel, K.P., Simon, M.F., Dasgupta, S., Antonious, G. (2018). Adoption of sustainable agriculture practices among farmers in Kentucky, USA. *Environmental Management*, 62(6), 1060-1072. <https://doi.org/10.1007/s00267-018-1109-3>.

Peer-reviewed Research and Extension Reports:

4. Gore, M., **Mishra, B.**, Joshi, O. (2022). Economic contribution of forest sector in Oklahoma. *Oklahoma State University Extension Factsheet*, Ser. NREM-5056. Retrieved January 12, 2024, from <https://bit.ly/4jDYFf4>.
3. Antonious, G.F., Turley, E., **Mishra, B.**, Heist, Q., Upadhyaya, Y., Trivette, T., Nkuwi, L. (2018). Growing eggplant in biochar and animal manure amended soil. *Fruit and Vegetable 2018 Annual Research Report (PR-757)*, 29-31. Retrieved January 14, 2019, from <https://bit.ly/3gmYwNY>.
2. Antonious, G.F., Turley, E., **Mishra, B.**, Heist, Q., Upadhyaya, Y., Trivette, T., Nkuwi, L. (2018). Impact of three Alltech formulations on two soil enzymes, hot pepper plant size, and fruit composition. *Fruit and Vegetable 2018 Annual Research Report (PR-757)*, 31-33. Retrieved January 14, 2019, <https://bit.ly/3gmYwNY>.
1. Antonious, G.F., Pomper, K., Turley, E., Heist, Q., Trivette, T., Nkuwi, L., Upadhyaya, Y., **Mishra, B.** (2017). Investigating the Impact of Soil-Set[®], Grain-Set[®], and Liqui-Plex[®] formulations on hot pepper, capsicum annum yield. *Fruit and Vegetable 2017 Annual Research Report (PR-739)*, 37-38. Retrieved January 6, 2018, <https://bit.ly/3L8Dq44>.

Dissertation and Thesis:

- Mishra, B. (2022).** Economics and human dimension of active management of forest-grassland ecotone in south-central USA under changing climate (Publication No: 29261349). [Doctoral Dissertation, Oklahoma State University]. ProQuest Dissertations and Theses Global Document ID: 2770785477. Retrieved February 1, 2023, from <http://bit.ly/40zgLpt>.
- Mishra, B. (2017).** Adoption of sustainable agriculture practices among Kentucky farmers and their perception about farm sustainability. [MS Thesis, Kentucky State University]. Munich Personal RePEc Archive and Kentucky State University Library. Retrieved July 18, 2022, from <https://bit.ly/3Q1TE14>.

Selected Works in Progress:

⁴Niblack Research Scholar and Undergraduate Student mentored by Dr. Mishra as Ph.D. Student at Oklahoma State University.

- Mishra, B.,** Joshi, O., Lambert, D. (2025). Willingness to pay for deer hunting based on hunting site attributes. (Manuscript available).
- Mishra, B.,** Mwebaze, P., Miao, R., Khanna, M., Pascaris, A., McCall, J., Hernandez, C., Majeed, F. (2025). Turning the Tide on Opposition for Solar through Agrivoltaics Adoption: Insight from the U.S. Solar Stakeholders Survey. *Energy Policy*. (Manuscript available).
- Cornish, B., **Mishra, B.,** Miao, R. (2025). The impact of small refinery exemptions on the renewable fuel market in the United States. (Manuscript available).
- Khanna, M. Mwebaze, P. Miao, R., **Mishra, B.,** et al., (2025). Perspective on the economics of Agrivoltaics in the US.
- Mishra, B.,** Taylor, M.R., Russell, K.J. (2025). Status and Changing Face of Alabama Agriculture: Summary of Alabama Farm Trends From 2012 to 2022, College of Agriculture and Alabama A&M and Auburn University Extension, Auburn University, Technical Report No. XXXX, Auburn, AL. (Manuscript Available).
- Mwebaze, P., Zaman, A., **Mishra, B.,** Khanna, M., Majeed, F., Miao, R. (202Y). Row crop farmers' willingness to adopt the agrivoltaics system in the Midwest United States.
- Mishra, B. (202Y).** Political regime change, conflict, and economic development of least developed countries (LDCs).
- Mishra, B. (202Y).** Public sentiment towards climate change—using X/Twitter, Google trend data, and machine learning.
- Mishra, B.,** Joshi, O. (202Y). Impact of climate change events and adaptation behavior on landowners' interests in learning ecosystem management tools and techniques.
- Mishra, B., (202Y).** Application of the gravity model in trade policy research—systematic meta-analysis.
- Mishra, B., (202Y).** Global trade dynamics of Nepal—an application of the gravity model.
- Mishra, B.,** Joshi, O. (202Y). Compared to the changing climate, in the case of Oklahoma.
- Mishra, B. (202Y).** Climate Policies in SAARC and BIMSTEC Members: A synthesis of a century-long policy development.
- Mishra, B. (202Y).** Carbon emission reduction is due to Nepal's shift in energy consumption patterns.
- Mishra, B. (202Y).** Carbon emission reduction due to Nepal's shift toward electric vehicles.
- Mishra, B. (202Y).** How Internet access has changed the political landscape of Nepal: A spatiotemporal analysis.
- Mishra, B.,** Mitra, P. (202Y). Border effect in US gambling market: long-term lottery ticket sales, unemployment, and poverty in the United States.
- Mishra, B. (202Y).** Can we predict disaster in a fragile ecosystem landscape using deep learning models: an example from Nepal.

Policy Reports, Columns, and Periodicals:

3. Panthee, D., **Mishra, B.,** Gnyawali, D., Neupane, G., Thapa, B. (2025). Primary production sectors and investment (Energy, Agriculture, and Tourism). In G. Nyaupane, and U. Wagle (Eds.), *Policy recommendations for high-level economic reform advisory commission (HLERAC), Nepal* (pp 4-9). Nepali Academics in America (NACA).
2. **Mishra, B. (2023).** Home or away from home: A lifetime dilemma of living abroad, *Agri-Connection*, 8(4), 32-33, <https://bit.ly/47XxiG0>.

1. **Mishra, B. (2023).** How do we manage community forests [in Nepal]? *The Kathmandu Post*, (XXXI) 130, P-8. Retrieved June 28, 2023, from <https://bit.ly/3ppCXEG>.

Conference Proceedings and Posters:

2. Antonious, G. F., Turley, E., **Mishra, B.**, Heist, Q. (2018). Liqui-plex® increased hot pepper yield and plant size in soil amended with Soil-Set® formulation. [E-poster]. *American Society of Horticultural Science*, Retrieved January 14, 2019, from <https://bit.ly/3Hrel1T>.
1. Rice, C., Gyawali, B.R., Simon, M.F., Rivers Jr, L., **Mishra, B. (2016).** Small farms: an alternative to meet new challenges from changing climatic conditions. *7th National Small Farm Conference Proceeding*, 35-41, Retrieved March 18, 2017, <https://bit.ly/3aHu81v>.

Flyer, Brochure, and Newsletter:

2. **Mishra, B. (2021).** Timber—Pulpwood and Sawlog Production, and Revenue. Cattle, Timber, Wildlife, and Fire Field Tour Brochure. *Oklahoma State University Extension*.
1. **Mishra, B. (2015).** Tobacco buy-out program on farm retention and diversification in Kentucky. *Cultivating Change: The Small & Socially Disadvantaged Producers Project Newsletter*. 1(1), Page 9, Kentucky State University. <http://bit.ly/3KKnK8U>

Miscellaneous:

10. **Mishra, B. (2025).** The back end of Agrivoltaics in Alabama Paper [Link to the paper <https://bit.ly/3Cz5Chf> published in *Choices*], Retrieved April 4, 2025, from <https://bit.ly/4jhUnJq>
9. **Mishra, B. (2024).** General manuscript template (everything you need), *Overleaf Templates*. Retrieved July 23, 2024, from <https://bit.ly/4cK5LLr>
8. **Mishra, B. (2013).** My experience of blogging, Ypard Blog. Retrieved: April 19, 2019, from <https://bit.ly/3AUkXFD>, reposted <https://bit.ly/3PxJW5W>.
7. **Mishra, B. (Ed.) et al., (2013).** Agriculture Graduates Profile 2013, Annual Magazine. Institute of Agriculture and Animal Science, Tribhuvan University, Nepal.
6. **Mishra, B. et al., (2013).** Growing poultry in a caged system. Unpublished undergraduate research report.
5. **Mishra, B. (2013).** Role of Opposition Party in Nepal. A Short Commentary aired on BBC Nepali Service. <https://spoti.fi/3AP5U2k>
4. **Mishra, B. (2013).** Foreign Influence in Nepali Politics. A Short Commentary aired on BBC Nepali Service. <https://spoti.fi/4flR0jc>
3. **Mishra, B. et al. (2012).** Rice production under upland rainfed conditions. Unpublished undergraduate research report.
2. **Mishra, B. (2012).** White mold disease of solanaceous crops. Unpublished undergraduate research report.
1. **Mishra, B. (Ed.) et al., (2008).** Explorer 2008, Annual Magazine. National School of Science, Lainchaur, Kathmandu, Nepal.

Preprints:

1. **Mishra, B., Joshi, O., Chapagain, B.P., Lambert, L.H., Will, R.E. (2023).** Intentions of Landowners in South-central USA towards Active Management of Ecosystem for Deer Habitat Management. *Research Square*. <https://doi.org/10.21203/rs.3.rs-2170264/v1>.

GRANTS AND FUNDING ⁵:

⁵ Total grant applied: US\$ 900,000.

Co-PI: PARTNERSHIP: Enhancing Ecosystem Services by Designing Specialty-Crop Agrivoltaic Systems. PI Dr. Ruiqing Miao (Agricultural Economics, Auburn University), and Co-PIs **Dr. Bijesh Mishra** (Agricultural Economics, Auburn University), Dr. Yucheng Feng (Soil Microbiology, Auburn University), Dr. Alvaro Sanz-saez (Crop Physiology, Auburn University), Dr. Andre Luiz Biscaia Ribeiro da Silva (Horticulture, Auburn University), Dennis Brothers (Extension, Auburn University), Jack Osborne (Electric Engineer, Grenergy USA), John Peters (Solar Developer, Grenergy USA), and Dr. Gamal El Afandi (Fate of Pesticide, Tuskegee University) submitted to United States Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA), Agriculture and Food Research Initiative (AFRI), Bioenergy, Natural Resources and Environmental (BNRE) on September 14, 2023. **Total Budget:** USD 900,000. **Status:** Revise and resubmit.

TEACHING EXPERIENCE

- ✓ **Ph.D. Teaching Instructor, August 2019 – May 2021**, Oklahoma State University, Stillwater, OK.
 - Geospatial Technologies for Natural Resources (NREM 2083), Spring 2021 (9 Students) and Spring 2020 (23 Students)
 - Introduction to Natural History (NREM 1014), Fall 2019 (25 Students)
- ✓ **M.S. Teaching Assistant, August 2016 – May 2018**, Kentucky State University, Frankfort, KY.
 - Remote Sensing of the Environment (ENV 589)
 - Introduction to Geographical Information System (ENV 511)

MENTORING, SUPERVISING, AND ADVISING EXPERIENCE:

- ✓ **Agricultural Economics and Rural Sociology, Auburn University, October 2022 – Present.**
 - Ph.D. in applied economics: Azaz Zaman (2022-Current), Brian Cornish (2022-2024), Nabin Bhandari (2022-Current), Pritam Mitra (2022-Current)
 - MS in agricultural economics: Ngbede Musa (2022-2024)
- ✓ **Policy Research Boot Camp, Governance Lab of Daayitwa Abhiyaan Nepal, Summer 2024.**
 - Provided guided mentorship to four early career policy researchers to develop policy briefs and scientific manuscripts. Links: <https://www.govlab.com.np/> and <https://daayitwa.org/>
- ✓ **Global Sustainability Project, How to Change the World, Winter 2024.**
 - Guided 200 students from 12 universities to build sustainable and innovative solutions for a green economy and an equitable future. Links: <https://bit.ly/43co4Vx> and <https://bit.ly/49XC20l>
- ✓ **Niblack Research Scholar Program, Oklahoma State University, August 2019 – July 2020.**
 - Graduate mentor of undergraduate senior Katelyn Jeffries (published peer-reviewed paper).

AWARDS, FELLOWSHIPS, AND RECOGNITION ⁶:

- ✓ AAEA Trust Scholarship, International Workshop on Survey Design and Experimental Methods in Applied and Agriculture Economics, 2024 (US\$ \$500).
- ✓ GPSGA Travel Grant, OSU, 2019, 2022 (US\$100*3 = \$300).
- ✓ Eugene and Doris Miller Distinguished Graduate Fellowship, OSU, 2021 (US\$ 2,500).
- ✓ Robertson Summer Dissertation Fellowship/Research and Creative Activity Grants, OSU, 2021. (US\$ 6,000 + 3 credit hours summer tuition).
- ✓ The Afanasiev Distinguished Graduate Fellowship, OSU, 2019, 2020, and 2021 (US\$ 2,500 * 3 = \$7,500).

⁶ Total fellowships received: ~ \$21,500.

- ✓ GPSGA Group Fund Grant, OSU, 2020. (US\$ 400).
- ✓ Third, Student Oral Presentation, Association of Nepalese Agricultural Professionals of Americas Biennial Conference, 2018. (US\$ 100).
- ✓ Academic Excellence Award (MS), Kentucky State University, 2017.
- ✓ Third, Graduate Student Competition Oral Presentation, Association of 1980 Researchers Directors (ARD) Bi-annual Symposium, 2017. (US\$ 100).
- ✓ Second, Graduate Research Oral Presentation, Kentucky Academy of Science (KAS) 2016 Annual Meeting, 2016.
- ✓ Finalist, Get Involved! Take Action! ISIC International Youth Photo Competition, 8th UNESCO Youth Forum, Paris, France, 2013, Link: <https://bit.ly/48tLrf4>.
- ✓ Multiple merit-based scholarships, Tribhuvan University, Nepal, 2009-2013.

MEDIA COVERAGE AND FEATURED:

5. Member spotlight featured—Bijesh Mishra, Nepali Academics in America Newsflash, 2025, Vol 5, Issue 1, Page 9, Nepali Academics in America. Link: <https://bit.ly/42wW14V>
4. Pyakurel, D. (July 9, 2019). Kathmandu is getting hotter every year, but districts nearby are heating up more quickly. Online Khabar English. Link: <https://bit.ly/3B3LuOT>.
3. Pyakurel, D. (July 9, 2019). ताउँदैछ काठमाडौं! [Heating up Kathmandu!], Online Khabar Nepali. Link: <https://bit.ly/32Ux3js>.
2. KSU graduate student asks community for help to raise money for Nepal [during earthquake 2015], Onward and Upward, Summer 2015, page 21, Kentucky State University. Link: <http://bit.ly/41fmGze>.
1. KSU students honored. The State Journal, Frankfort, KY, April 17, 2017. Link: <http://bit.ly/3JGtVcs>.

PRESENTATIONS:

Oral Presentations:

23. Joshi, O., **Mishra, B. (2022)**. Financial return associated with active forest management: implications for the community forestry management in Nepal, 7th *Community Forestry National Workshop Nepal*, Department of Forest and Soil Conservation, Government of Nepal. Date: June 12–14, 2022 (*Invited*).
22. **Mishra B.**, Will, R.E., Joshi, O. (2022). Willingness to Pay for Deer Hunting Site using Best-worst Choice, *The International Society of Forest Resource Economics Annual Meeting*, Traverse City, MI. Date: May 23–25, 2022.
21. **Mishra B.**, Will, R.E., Joshi, O. (2022). Peer Pressure, Self-Efficacy, Outcome Expectancy, and Moral Values Predict Intentions for Active Management of Ecosystems in Oklahoma, *Southern Rural Sociological Association (SRSA) Annual Meeting*, New Orleans, LA. Date: February 13–14, 2022.
20. Jeffries, K., **Mishra, B.**, Joshi, O., (2021). Preventing further spread of eastern redcedar (*Juniperus virginiana*) in the southern great plains, *The International Society of Forest Resource Economics (ISFRE) Symposium*, Virtual. Date: May 18–19, 2021.
19. **Mishra, B.**, Joshi, O., Will, R.E. (2021). Attitudes and intentions of landowners towards active management of US south-central transitional ecoregion for deer hunting, *The International Society of Forest Resource Economics (ISFRE) Symposium*, Virtual. Date: May 18 – 19, 2021.

18. **Mishra, B.**, Joshi, O., Will, R.E. (2020). Understanding climate change resiliency of South-Central Transitional Ecotone, *U.S. Society of American Foresters (SAF) National Convention*, Virtual, Date: October 29–31, 2020.
17. **Mishra, B.**, Joshi, O., Will, R.E. (2020). Understanding climate change resiliency of Oklahoma forests using FVS and conjoint analysis, *Oklahoma Natural Resource Conference (OKNRC)*, Norman, OK. Date: February 10–13, 2020.
16. Joshi, O. Master, R., Zou, C.B., Adhikari, A., **Mishra, B.**, Will, R.E. (2019). How resilience of forests to drought and climate change might affect management outcomes for different objectives, *Ecological Society of America (ESA) Annual Meeting*, Louisville, KY, <https://bit.ly/3IILsEK>. Date: August 11–19, 2019.
15. **Mishra, B.**, Sandifer, J., Gyawali, B.R. (2018). The urban heat island in Kathmandu, Nepal: evaluating the spatial distribution of changes in normalized difference vegetation index and land surface temperature 2000-2016, *Association of Nepalese Agricultural Professionals of Americas Biannual Conference*, Oklahoma City, OK. Date: May 26–27, 2018.
14. Bhatta, A., Khadka, S., Shrestha, P., **Mishra, B.**, Gyawali, B.R. (2018). Land Cover Change Assessment of Five Major Watersheds in Central Kentucky, *Association of Nepalese Agricultural Professionals of Americas Biannual Conference*, Oklahoma City, OK. Date: May 26 – 27, 2018.
13. **Mishra, B.**, Gyawali, B.R., Sandifer, J., Shrestha, T., Bates, K., Shrestha, P., and Bhattarai, K. (2017). A Study of temporal patterns in the surface heat island effect and land cover change from 2000 to 2015 in Kathmandu, Nepal, South Asia, *American Association of Geographers (AAG) Annual Meeting*, Boston, MA. Date: April 05–09, 2017.
12. **Mishra, B.**, Gyawali, B.R., Simon, M.F. (2017). Exploring the adoption of sustainable agriculture practices in Kentucky using Poisson regression model, *1980s Association of Research Directors (ARD) Research Symposium*, Atlanta, GA. Date: April 01–04, 2017.
11. Gyawali, B.R., **Mishra, B.**, Simon, M.F. (2017). Farm succession and future of farming in Kentucky. 1980s *Association of Research Directors (ARD) Research Symposium*, Atlanta, GA. Date: April 01–04, 2017.
10. Rice, C., Gyawali, B.R., Simon, M.F., Rivers Jr., L., **Mishra, B.** (2016). Small farms: alternatives to meet new challenges from changing climate conditions, *7th National Small Farm Conference*, Virginia Beach, VA. Date: April 02, 2016.
9. **Mishra, B.**, Gyawali, B.R. (2016). Geographical distribution and clustering of sustainable agriculture technologies in Kentucky, *Kentucky Academy of Science 104th Annual Meeting*, University of Louisville, Louisville, KY. Date: November 04–05, 2016.
8. **Mishra, B.**, Gyawali, B.R. (2016). Geographical distribution and clustering of sustainable agriculture technologies in Kentucky, *Kentucky Academy of Science 104th Annual Meeting*, University of Louisville, Louisville, KY. Date: November 04–05, 2016.
7. **Mishra, B.**, Gyawali, B.R., Poudyal, N.C., Bates, K., and Sandifer, J. (2016). Spatial distribution of sustainable agriculture practices in Kentucky, *Kentucky GIS Conference*, Covington, KY. Date: October 18, 2016.
6. Simon, M.F., Gyawali, B.R., **Mishra, B.** (2016). Farm diversification for strengthening small farmers in Kentucky, NIFA Grant Project Directors' Meeting, *7th National Small Farm Conference*, Virginia Beach, VA. Date: September 02, 2016 (Co-presented with PI Dr. Simon).

5. Gyawali, B.R., **Mishra, B.**, Rice, C., Simon, M.F., Rivers Jr., L. (2016). Analysis of Small Farmers' Participation Decisions in Federal and State Programs in Kentucky: A Logit Analysis, *Southern Rural Sociology Association 47th Annual Meeting*, San Antonio, TX. Date: February 5-9, 2016.
4. **Mishra, B.**, Gyawali, B.R. (2016). Analyzing Farm Characteristics of Kentucky using Spatial Regression Model [Updated Results]. *Southern Rural Sociology Association 47th Annual Meeting*, San Antonio, TX. Date: February 5-9, 2016.
3. **Mishra, B.**, Gyawali, B.R. (2015). Analyzing Farm Characteristics of Kentucky using Spatial Regression Model [Preliminary Results]. *Kentucky Academy of Science (KAS) 101st Annual Meeting*, Northern Kentucky University, Highland Height, KY. Date: November 14, 2015.
2. Thapa Magar, S., Pomper, K.W., Crabtree, S.B., Lowe, J.D., Edgar, B., **Mishra, B.** (2015). Yield characteristics of indigo purple tomato varieties in Kentucky, *Kentucky Academy of Science (KAS) 101st Annual Meeting*, Northern Kentucky University, KY. Date: November 14, 2015.
1. **Mishra, B.**, and Gyawali, B.R. (2015). Mapping recent earthquake in Nepal and its geospatial impacts, *Kentucky GIS Conference*, Owensboro, KY. Date: October 13, 2015.

Poster Presentations:

14. **Mishra, B.**, Mwebaze, P., Miao, R. Khanna, M. (2024). Solar developers survey on agrivoltaics, *Solar Farm Summit*, Chicago IL. Date: July 8-11, 2024.
13. Ngbede, M., Ruiqing, M., Khanna, M., **Mishra, B.**, Mwebaze, P. (2023). Modeling Specialty Crop-based Agrivoltaic System Profit from Arizona and Alabama, *Graduate Research Poster Showcase*, Auburn University, Auburn, AL. Date: October 26, 2023.
12. Ngbede, M., **Mishra, B.**, Mwebaze, P. Ruiqing, M., Khanna, M. (2023). Optimizing profitability of high-value crops in Agrivoltaics systems (tomato and lettuces) in Arizona and Alabama. Poster. *SCAPES Annual Retreat*, Denver CO. Date: September 13-15, 2023.
11. **Mishra, B.**, Joshi, O., Will, R.E. (2019). Understanding climate change resiliency of Oklahoma forests using FVS and conjoint analysis. Poster. *The International Society of Forest Resource Economics (ISFRE) Annual Meeting*, Columbus, OH. Date: May 14–15, 2019.
10. Antonious, G. F., Turley, E., **Mishra, B.**, Heist, Q. (2018). Liqui-plex[®] increased hot pepper yield and plant size in soil amended with Soil-Set[®] formulation. E-poster. *American Society of Horticultural Science Annual Conference*, Washington DC, <https://bit.ly/3Hrel1T>, Date: October 03, 2018.
9. **Mishra, B.**, Gyawali, B.R. (2018). Change in net primary productivity of parcel land in Logan and Breckinridge Counties in central Kentucky. Poster. *American Association of Geographers (AAG) Annual Meeting*, Boston, MA. Date: April 10–14, 2018.
8. **Mishra, B.**, Gyawali, B.R., Simon, M.F. (2018). Sustainable agriculture practices in Kentucky. Poster. *The Southern Sustainable Agriculture Working Group (SSWAG) Conference*, Lexington KY. Date: January 25–28, 2018.
7. Bhatta, A., Khadka, S., **Mishra, B.**, Gyawali B.R. (2017). Land cover change assessment of five major watersheds in central Kentucky. *Kentucky Academy of Science (KAS) 103rd annual meeting*, Murray State University, KY. Date: November 03, 2017.
6. **Mishra, B.**, Gyawali, B.R., Sandifer, J., Shrestha, T., Bates, K., Shrestha, P. (2017). A study of temporal patterns in the surface urban heat island effect and land cover change in Kathmandu, Nepal, South Asia 2000 to 2015, *Map Gallery at Esri User Conference*, San Diego, CA. Date: July 10–14, 2017.

5. Shrestha, P., Gyawali, B.R., Sandifer, J., Acharya, B., Shrestha, T., **Mishra, B. (2017)**. Land cover change and forest fragmentation in Pike County, Kentucky. Poster. *American Association of Geographers (AAG) Annual Meeting*, Boston, MA. Date: April 05–09, 2017.
4. **Mishra, B.**, Gyawali, B.R., Paudel, K.P., Poudyal, N.C., Banerjee, B. (2017). Assessing farm sustainability and operator's interest in farm diversification in Kentucky, Poster. *Southern Agricultural Economics Association 49th Annual Meeting*, Mobile, AL. February 04–07, 2017.
3. Banerjee, S. Gyawali, B.R., **Mishra, B.**, Paudel, K.P., Poudyal, N.C. (2017). Analyzing Kentucky Farmers and Farm Attributes with their Farm Efficiency, Sustainability, and Diversification, Poster. *Southern Agricultural Economics Association 49th Annual Meeting*, Mobile, AL. February 04–07, 2017.
2. Rice, C., Gyawali, B.R., **Mishra, B. (2016)**. Bridging the road to success for small farmers. *7th National Small Farm Conference*, Virginia Beach, VA. Date: September 20–22, 2016.
1. Rice, C., Gyawali, B.R., **Mishra, B. (2016)**. Kentucky State University: A Word of Exploration at Your fingertips. *7th National Small Farm Conference*, Virginia Beach, VA. Date: September 20–22, 2016.

INVITED TALKS AND PANEL DISCUSSION ⁷:

3. Research process and ethical consideration, National Policy Forum, Bharatpur, Bagmati, Nepal. Date: August 11, 2024.
2. Dissecting peer-reviewed paper publishing process: ethics on publication and research series, Youth for Conservation and Sustainable Agriculture, Nepal. Date: July 21, 2023.
1. Study abroad: scope, opportunity, and path ahead. Panel discussion, Gandaki Student Society of Agriculture and Forestry University, Nepal. Date: June 20, 2020.

RELEVANT TRAINING AND CERTIFICATION:

- ✓ Compass Foundational Training and Mentoring Program, Spring 2025, directed by Washington University School of Medicine in St. Louis: <https://bit.ly/42pQuN8>
- ✓ Fundamentals of Deep Learning, NVIDIA: <http://bit.ly/40PBTYv>
- ✓ Benefit-Cost Analysis: Valuing Life and Health, Harvard University T.H. Chan School of Public Health: <https://bit.ly/3VnwTrs>; CeDiD:226K-8KDC-BCAC
- ✓ SAS Programming 1 Essentials, SAS Institute: <https://bit.ly/3HZjAXS>
- ✓ MATLAB Onramp, Mathworks: <https://bit.ly/3NAnilp>

JOURNAL INVOLVEMENT:

- ✓ **Editor:** [International Journal of Environment, Nepal](#) (2019 - 2021).
- ✓ **Reviewer:** [Agricultural Economics](#), [Journal of Applied Economics](#), [Journal of Environmental Management](#), [Journal of Forestry](#), [Poverty and Public Policy](#), [Environment, Development and Sustainability](#), [Tourism Review International](#), [Nepal Public Policy Review](#), [People and Nature](#), [Heliyon](#), [International Journal of Environment](#), [Energies](#), [Land](#), [Forests](#), [Sustainability](#), [International Journal of Environmental Research and Public Health](#), [Global Journal of Agriculture and Allied Sciences](#), [Journal of Nepal Agricultural Research Council](#), [Journal of Agriculture and Natural Resources](#).

PROFESSIONAL AFFILIATIONS:

⁷ Only as a primary speaker.

National Postdoctoral Association (NPA)	2022–Current
Nepali Academics in America (NACA)	Lifetime Member
Association of Nepalese Agriculture Professionals of America (NAPA)	Lifetime Member
American Association of Geographers (AAG)	2016–2018
Southern Association of Agricultural Scientists (SAAS)	2021–2022, 2015–2018
Southern Agriculture Economics Association (SAEA)	2021–2022, 2015–2018
Southern Rural Sociological Association (SRSA)	2021–2022, 2015–2017
Society of American Foresters (SAF)	2020–2022
Kentucky Academy of Science (KAS)	2015–2019
Kentucky Association of Mapping Professionals (KAMP)	2015–2017
NIST Alumni Association (NISTAA), Nepal	Lifetime Member
Xi Sigma Pi (Ξ Σ Π), Alpha Mu (αμ) Chapter	Lifetime Member

SERVICES:

- ✓ Advisor, National Policy Forum, Nepal ([NPF](#)), July 2024 – Current.
- ✓ Nepali Academics in America ([NACA](#))
 - NACA expert pool for High-level Economic Reform Advisory Commission of Nepal, 2024.
- ✓ Association of Nepalese Agriculture Professionals of America ([NAPA](#)):
 - Mini-grant Proposal Reviewer, 2025.
 - Collaboration and Resource Building Committee (CRBC), 2024.
 - Guest Editor, Agri-connection Quarterly Newsletter, 2023.
 - Member, Information Technology (IT) Committee, 05/2022 – 04/2024.
 - Executive Committee Member, 05/2018 – 04/2020.
 - Volunteer, IT Support, First Biannual Conference Organizing Committee, 2018.
- ✓ Judge, Graduate Research Poster Showcase, Auburn University, 2023, 2024.
- ✓ Judge, Annual Student Research Symposium, Auburn University, 2023, 2024, 2025.
- ✓ Judge, Annual Undergraduate Research Symposium, Oklahoma State University, 2022.
- ✓ President (09/2021 – 08/2022) and Vice President (08/2020 – 09/2021), Nepalese Student Association, Oklahoma State University, Stillwater, OK.
- ✓ Center for Ecology and Evolution Conference ([CEEC](#)) Organizing Committee, 2021.
- ✓ Vice President Intern, International Student Organization (ISO), OSU, 2020.
- ✓ NREM Graduate Student Organization (NREM-GSO) Board Member, 08/2019 – 07/2021.
- ✓ Graduate and Professional Students Government Association (GPSGA) Representative, Constitution and Bylaws and Intergovernmental Liaison Sub-committee member of GPSGA, 08/2019 – 07/2021.
- ✓ Editorial Board Member, Agriculture Graduates Profile 2013, Institute of Agriculture and Animal Science, Tribhuvan University, Nepal.
- ✓ President, Gandaki Student Society, Institute of Agriculture and Animal Science, Tribhuvan University, Nepal, 06/2012-05/2013.
- ✓ Editorial Board Member, Explorer 2008, an Annual Magazine, National School of Sciences, Lainchour, Kathmandu, Nepal.