

Curriculum Vitae
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CV
Uma Karki, Ph.D.
Email: ukarki@tuskegee.edu

Education

Ph.D. Agronomy and Soils (Forage and Grazing Land Ecology), Auburn University, 2008
Minor: Statistics.

M.Sc. Agriculture (Animal Science), the University of Western Australia, 2002.

B.V.Sc. and A.H. (Veterinary Science and Animal Husbandry), Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Nepal, 1994.

B.Sc. Animal Science, Tribhuvan University, IAAS, Nepal, 1992.

Professional Experience

Director, Caprine Research and Education Unit, George Washington Carver Agricultural Experiment Station, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University

Research-Extension Professor and State Extension Livestock Specialist, College of Agriculture, Environment and Nutrition Sciences, July 2019-Present, Tuskegee University.

Research-Extension Associate Professor and State Extension Livestock Specialist, College of Agriculture, Environment and Nutrition Sciences, June 2014- June 2019, Tuskegee University.

Research-Extension Assistant Professor and State Extension Livestock Specialist, College of Agriculture, Environment and Nutrition Sciences, January 2009-May 2014, Tuskegee University.

Graduate Research Assistant 2005-2008, Department of Agronomy and Soils, Auburn University.

Livestock Development Officer 1993-2005, Ministry of Agriculture and Cooperatives, Nepal.

Excellence Awards

Tuskegee University Outstanding Faculty Achievement Award, 2025-2026 Academic Year

Tuskegee University Outstanding Faculty Performance Award for Service, College of Agriculture, Environment and Nutrition Sciences, 2025-2026 Academic Year.

Tuskegee University Outstanding Faculty Performance Award for Innovation, College of Agriculture, Environment and Nutrition Sciences, 2023-2024 Academic Year.

Early Career Award, Association for Temperate Agroforestry, 2017 for extraordinary early career accomplishments at the highest levels of professional practice and leadership.

Excellence in Extension Award, 2015, Association of Extension Administrators, 1890 Cooperative Extension System.

Tuskegee University Outstanding Faculty Performance Award for Service, College of Agriculture, Environment and Nutrition Sciences, 2012-2013 Academic Year.

Recent Grant Projects

4 Projects, \$66.2 million

- Co-PI in Karki, L. B., P. Bhandari, N. K. Dixit, U. Karki, and A. Kumi. 2024-2027. Enhancing Climate-Smart agricultural practices for the sustainability of small and minority farmers and landowners, USDA-NIFA Capacity Building Grant, \$600,000.
- Karki, U., S. R. Mentreddy, C. Christian, V. Temu, L. Karki, R. Shange, A. Kumi, A. Atalay, M. Kering, P. Bhandari, and D. Davis. 2023-2025. Expanding the participation of marginal producers and landowners to promote Climate-Smart agriculture and forestry practices: continuous efforts of 1890 agroforestry consortium, USDA/NRCS Climate Smart Agriculture and Forestry Partnership Program, \$4,999,999.00. *(Under Review after Suspended in 2025 because of USDA admin change)*
- Co-PI in Fargione, J., U. Karki, et al. 2023-2025. Expanding agroforestry production & markets for producer profitability and climate stabilization, USDA/NRCS Climate Smart Agriculture and Forestry Partnership Program, \$60,000,000.00. *(Approved after suspension in 2025 because of USDA admin change Awaiting subaward)*
- Co-PI in Merkel, R., U. Karki et al. 2023-2026. Developing a sustainable meat goat production and marketing system for the Southeastern United States through an 1890 Universities Consortium – Second phase, Large Systems Research Grant, Southern Sustainable Agriculture Research and Education (SSARE), \$600,000.

Completed Grant Projects

11 Projects, \$3.87 million

- Co-PI in Bartlett, J., U. Karki et al. 2020-2025. Integration of pastured poultry as part of a sustainable farming enterprise for local producers, USDA-NIFA Capacity Building Grant, \$300,000.
- Co-PI in Gipson, T., U. Karki et al. 2020-2023. Developing a sustainable meat goat production and marketing system for the Southeastern United States through an 1890 Universities Consortium – First phase, Large Systems Research Grant, Southern Sustainable Agriculture Research and Education (SSARE), \$600,000.
- PI. 2018-2024. Integrated approach for managing diseases and parasites in small ruminants in the Southeast, USDA-NIFA Capacity Building Grant, \$600,000.
- Co-PI in Shange, R., U. Karki et al. 2017-2022. Development of a forest management system to enhance ecosystem restoration and management for limited resource landowners, USDA-NIFA, \$597,478.
- PI. 2015-2020. Agroforestry-based cropping systems for sustaining small and medium-sized landowners in the Southeastern US, USDA-NIFA Agriculture and Food Research Initiative (AFRI), \$480,000.
- PI. 2013-2016. Enhancing sustainable livestock production through pasture improvement and grazing/browsing management, USDA-NIFA Capacity Building Grant, \$599,979.
- Co-PI in Gurung, N., U. Karki et al. 2014-2016. Comparison of on-farm winter feeding strategies for sustainable meat goat production, Southern SARE On-Farm Research Grant, \$14,500.

- PI. 2013-2015. Trainers' training in agroforestry practices in the Southeastern Region: 1890 Agroforestry Consortium Initiative, Southern SARE Professional Development Grant, \$99,954.
- PI. 2011-2013. Training for sustainable year-round forage production and grazing/browsing management in the Southern Region, Southern SARE Professional Development Grant, \$69,435.
- PI. 2011-2013. Sustainable goat farming: pasture enhancement and diet selection by goats, Southern SARE On-farm Research Grant, \$14,993.
- CO-PI in Gurung, N, U. Karki et al. 2010-2013. Development of silvopasture systems involving meat goats under pine plantation for enhancing economic and environmental competitiveness of limited-resource farmers and small-scale landowners. USDA-NIFA Capacity Building Grant, \$476,577.
- CO-PI in Githinji, L., U. Karki et al. 2009-2011. Enhancing the economic stability of select limited resource farms through establishment of micropropagated pecan orchards integrated with crops and animals. Southern SARE Planning Grant, \$19,944.

Publications, Presentations, and Scholarly Contribution

Refereed Journal Articles (2009-present)

36 Articles

- Acharya, A., U. Karki, S. Acharya, and M. Dumre. 2026. Comparative evaluation of stress and hematological parameters of meat goats grazing southern-pine silvopasture and open-pasture during summer. *Global Journal of Agricultural and Allied Sciences (GJAAS)* Vol 7 (1), 9-16. <https://doi.org/10.35251/gjaas.2026.002>
- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. (2025). Legume addition to grass pastures improved the performance and health indicators of Kiko does. *International Journal of Veterinary Medicine and Animal Science* Vol 2(1), 19-30. <https://doi.org/10.54536/ijvm.v2i1.4437>
- Chaudhary, S., U. Karki, B. Shrestha, S. Lamsal, and L. Karki. (2025). Soybean-supplemented nursing ewes showed better performance and immune response than corn-supplemented ewes while grazing in woodlands. *Global Journal of Agricultural and Allied Sciences (GJAAS)* Vol 6(1), 11-17. <https://doi.org/10.35251/gjaas.2025.009>
- Lamsal, S., U. Karki, S. Chaudhary, D. Dhakal, and B. Paneru. 2025. Rearing system influenced the performance and health status of pregnant ewes during winter. *Global Journal of Agricultural and Allied Sciences (GJAAS)*, Online First (pages 1-10). <https://doi.org/10.35251/gjaas.2025.008>
- Bhattra, S., U. Karki, and S. Poudel, W. McElhenney, and B. Paneru. 2020. Diurnal behavior and distribution patterns of Kiko wethers and Katahdin rams in woodlands with different vegetation heights during fall. *Agroforestry Systems*, Published online May 12, 2020. <https://doi.org/10.1007/s10457-020-00500-x>.
- Bhattra, S., U. Karki, and S. Poudel. 2021. Vegetation height and diurnal period influenced the landscape-use pattern of small ruminants in woodlands around summer. *Forests*, 12(2), 205. <https://doi.org/10.3390/f12020205>.
- Bhattra, S., U. Karki, S. Poudel, B. Paneru, and N. Ellis 2021, Vegetation-utilization pattern and performance of small ruminants in woodlands with altering heights of non-target plants.

- Agroforestry Systems*, 96, 505–516 (2022). Published online November 1, 2021. <https://doi.org/10.1007/s10457-021-00706-7>.
- Bhattra, S., U. Karki, S. Poudel, B. Paneru, and N. Ellis. 2020. Maintenance of non-timber plants at low heights increased the solar radiation influx and understory vegetation biomass in woodlands. *Global Journal of Agricultural and Allied Sciences*, 2(1), 18-24. <https://doi.org/10.35251/gjaas.2020.003>.
- Bishaw, B., R. Soolanayakanahally, U. Karki, and E. Hagan. 2022. Agroforestry for sustainable production and resilient landscapes. *Agroforestry Systems*, 96 (3), 447-451. <https://doi.org/10.1007/s10457-022-00737-8>
- Chaudhary, S., U. Karki, B. Shrestha, S. Lamsal, and L. Karki. 2023. Supplement type influenced the performance and resiliency against gastrointestinal parasites of nursing lambs raised in woodlands. *Professional Agricultural Workers Journal (PAWJ)* 9 (2). <https://tupubs.tuskegee.edu/cgi/viewcontent.cgi?article=1200&context=pawj>
- Karki, L. B., and U. Karki. 2017. The socioeconomic and ecological impact of cool season forage production: a case of Black Belt Counties, Alabama. *Professional Agricultural Workers Journal (PAWJ)*, 4 (2). Available at: <http://tupubs.tuskegee.edu/pawj/vol4/iss2/9>
- Karki, L. B., and U. Karki. 2019. Impact of an educational program on a year-round forage production and grazing management system in Alabama. *Professional Agricultural Workers Journal (PAWJ)*, 7 (1). Available at: <https://tupubs.tuskegee.edu/pawj/vol7/iss1/7/>.
- Karki, L. B., S. Bauer, U. Karki, and G. R. Joshi. 2015. Women's empowerment and farm productivity: a case of project intervention. *Nepalese Journal of Agricultural Economics (NJAE)* 2 and 3, 163-177.
- Karki, L. B., U. Karki, S. R. Mentreddy, C. S. Christian, and S. K. Bambo. 2018. Impact of agroforestry educational program: a case of small-scale holders. *International Journal of Agricultural Extension and Rural Development Studies (IJAERDS)*, 5 (4), 37-50. Available at <http://www.eajournals.org/journals/international-journal-agricultural-extension-rural-development-studies-ijaerds/vol-5-issue-4-october-2018/>
- Karki, U. 2021. Year-round forage production for sustainable goat farming. *Professional Agricultural Workers Journal (PAWJ)*, 6 (3). <https://tupubs.tuskegee.edu/pawj/vol6/iss3/9/>.
- Karki, U. and L. B. Karki. 2017. Winter forage program benefitted small-scale goat producers. *American Journal of Agricultural and Biological Sciences*, 12 (2), 79-84. <https://doi.org/10.3844/ajabssp.2017.79.84>.
- Karki, U. and M. S. Goodman. 2010. Cattle distribution and behavior in southern-pine silvopasture versus open-pasture. *Agroforestry Systems*, 78, 159-168, <https://doi.org/10.1007/s10457-009-9250-x>.
- Karki, U. and M. S. Goodman. 2011. Short-term soil quality response to forage species and pH. *Grass and Forage Science*, 66, 290–299, <https://doi.org/10.1111/j.1365-2494.2011.00794.x>.
- Karki, U. and M. S. Goodman. 2013. Microclimatic diversity between young longleaf-pine silvopasture and open pasture. *Agroforestry Systems*, 87 (2), 303-310. Published online August 1, 2012, <https://doi.org/10.1007/s10457-012-9551-3> Online First.

- Karki, U. and M.S. Goodman. 2015. Microclimatic differences between mature loblolly-pine silvopasture and open pasture. *Agroforestry Systems*, 89 (2), 319-325. Published online November 16, 2014. <https://doi.org/10.1007/s10457-014-9768-4> Online First.
- Karki, U., B. Paneru, A. Tiwari, N. Ellis, S. Bhattarai, L. Karki, and S. Poudel. 2021. Soil quality and growth of southern pines in silvopastures and woodlands integrated with small ruminants. *Agroforestry Systems*, 96, 517-526 (2022). Published online November 15, 2021. <https://doi.org/10.1007/s10457-021-00709-4>.
- Karki, U., J. Idassi, S. R. Mentreddy, N. Gurung, L. Karki, S. Bambo, and C. Christian. 2016. Agroforestry research and extension education at 1890 universities and its impact in the Southeast. *Agroforestry Systems*, 90(5), 715-722. Published online September 7, 2016. <https://doi.org/10.1007/s10457-016-9934-y> Online First.
- Karki, U., M. S. Goodman, and S. E. Sladden. 2013. Plant-Community Characteristics of Bahiagrass Pasture During Conversion to Longleaf-Pine Silvopasture. *Agroforestry Systems*, 87 (3), 611-619. Published online November 9, 2012, <https://doi.org/10.1007/s10457-012-9582-9> Online First.
- Karki, U., M.S. Goodman, and S.E. Sladden. 2009. Nitrogen source influences on forage and soil in young southern-pine silvopasture. *Agriculture, Ecosystems and Environment*, 131, 70-76, <https://doi.org/10.1016/j.agee.2008.09.007>
- Karki, U., Y. Karki, R. Khatri, A. Tillman, S. Poudel, N. Gurung, and A. Kumi. 2018. Raising goats in the southern-pine silvopasture system: challenges and opportunities. *Agroforestry Systems*, 93 (5), 1647-1657 (2019). Published online June 27, 2018. <https://doi.org/10.1007/s10457-018-0271-1> Online First. (ShareDIt link: <https://rdcu.be/2nyB>)
- Karki, U., Y. Karki, R. Khatri, and A. Tillman. 2018. Diurnal behavior and distribution patterns of Kiko wethers in southern-pine silvopastures during the cool-season grazing period. *Agroforestry Systems*, 93, 267-277 (2019). Published online April 11, 2018. <https://doi.org/10.1007/s10457-016-9934-y> Online First.
- Khatri, R., U. Karki, J. Bettis, and Y. Karki. 2016. Grazing with goats changed the woodland plant-species composition during summer. *Professional Agricultural Workers Journal (PAWJ)*, 4 (1). Available online: <http://tuspubs.tuskegee.edu/cgi/viewcontent.cgi?article=1078&context=pawj>
- Paneru, B., U. Karki, S. Bhattarai, and N. Ellis, and L. Karki. 2022. Suitable browse species for small ruminants: Growth pattern and animal preference. *Global Journal of Agricultural and Allied Sciences (GJAAS)*, 4 (1), 1-8. <https://doi.org/10.35251/gjaas.2022.001>
- Paneru, B., U. Karki, S. Bhattarai, and N. Ellis. 2019. Growth period of different browse species suitable for grazing small ruminants. *Professional Agricultural Workers Journal (PAWJ)*, 7 (1). Available online: <https://tuspubs.tuskegee.edu/pawj/vol7/iss1/10/>.
- Poudel, S., U. Karki, W. McElhenney, Y. K. Karki, and A. Tillman. 2019. Confinement influenced the diurnal behavior and distribution pattern of Katahdin rams and Kiko wethers in southern-pine silvopastures. *Agroforestry Systems*, 94, 29-40 (2020). Published online February 1, 2019, <https://doi.org/10.1007/s10457-019-00359-7> Online First.
- Poudel, S., U. Karki, W. McElhenney, Y. K. Karki, and A. Tillman. 2018. Behavior and distribution patterns of Katahdin rams in southern-pine silvopastures with cool-season forages. *Agroforestry Systems*, 93, 1887-1896 (2019). Published online September 29, 2018 - DOI: 10.1007/s10457-018-0294-7 Online First.

- Poudel, S., U. Karki, W. McElhenney, Y. Karki, A. Tillman, L. Karki, and A. Kumi. 2017. Challenges of stocking small ruminants in grazing plots with dormant browse species. *Professional Agricultural Workers Journal (PAWJ)*, 5 (1). Available online: <http://tuspubs.tuskegee.edu/cgi/viewcontent.cgi?article=1100&context=pawj>
- Poudel, S., U. Karki, Y. K. Karki, and A. Tillman. 2019. Diurnal behavior of Kiko wethers in southern-pine silvopastures planted with warm-season forages. *Small Ruminant Research*, 175, 1-6. DOI: <https://doi.org/10.1016/j.smallrumres.2019.03.005>
- Shrestha, B., U. Karki, A. Tiwari, S. Chaudhary, L. Karki, and C. Okere. 2022. Prevalence of gastrointestinal parasites in lactating Kiko does and their kids in woodlands with supplements. *Professional Agricultural Workers Journal (PAWJ)*, 9, 1. <https://tuspubs.tuskegee.edu/cgi/viewcontent.cgi?article=1192&context=pawj>
- Shrestha, B., U. Karki, S. Chaudhary, A. Tiwari, and L. Karki. 2023. Supplement type impact on the performance and nutrient dynamics of nursing does and kids raised in woodlands. *Animals*, 14 (68) (2024). <https://doi.org/10.3390/ani14010068>
- Tiwari, A., U. Karki, B. Paneru, N. Ellis, and L. Karki. 2021. Legume-grass pastures enhanced the growth of yearling Kiko does. *Professional Agricultural Workers Journal (PAWJ)*, 8 (1). <https://tuspubs.tuskegee.edu/pawj/vol8/iss1/2/>.

Chapters in Book, Training Handbooks, and Proceedings

14 Chapters

- Karki, U. 2013. Chapter 1: Importance of year-round forage production and grazing/browsing management. In U. Karki (ed.), *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region – Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 1-5). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG0213-01.
- Karki, U. 2013. Chapter 2: Forage definition and classification. In U. Karki (ed.), *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region – Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 6-12). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG0213-01.
- Karki, U. 2013. Chapter 4: Animal grazing behavior, influence of grazing on pastures, and grazing systems. In U. Karki (ed.), *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region – Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 64-69). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG0213-01.
- Karki, U. 2013. Chapter 6: Suitable plant growth and development stages for grazing and grazing management. In U. Karki (ed.), *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region – Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 81-92). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG0213-01.
- Karki, U. 2013. FAMACHA and smart drenching for managing barber pole worm. In U. Karki (ed.), *Integrated Management of Internal Parasites in Goats, Workshop Proceedings*

- (pp. 29-36). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0513-01.
- Karki, U. 2013. Importance of pasture-weed management. In U. Karki (ed.), *Pasture-Weed Identification and Management. Workshop Proceedings* (pp. 3-8). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0812-03.
- Karki, U. 2013. Pasture and grazing management for parasite control. In U. Karki (ed.), *Integrated Management of Internal Parasites in Goats, Workshop Proceedings* (pp. 17-24). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0513-01.
- Karki, U. 2015. Chapter 1: Agroforestry introduction. In U. Karki (ed.), *Sustainable Agroforestry Practices in the Southeastern Region: Training Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 1-8). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University and 1890 Agroforestry Consortium, Publication No. TUAG1015-01.
- Karki, U. 2015. Chapter 3: Suitable forages and their establishment in silvopasture systems. In U. Karki (ed.), *Sustainable Agroforestry Practices in the Southeastern Region: Training Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 26-40). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University and 1890 Agroforestry Consortium, Publication No. TUAG1015-01.
- Karki, U. 2015. Chapter 5: Sustainable grazing management in a silvopasture system. In U. Karki (ed.), *Sustainable Agroforestry Practices in the Southeastern Region: Training Handbook for Training Field Extension and Technical Assistance Personnel* (pp. 59-75). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University and 1890 Agroforestry Consortium, Publication No. TUAG1015-01.
- Karki, U. 2016. Steps for establishing forages. In D. N. O. Tackie, J. R. Bartlett, and A. Adu-Gyamfi (eds.), *Addressing Critical Issues for Small Livestock Producers Curriculum*. George Washington Carver Agricultural Experiment Station and Cooperative Extension, Tuskegee University, Publication No. TUGFSH-0316-01A.
- Karki, U. 2025. Chapter 1: Integrated Approach for Preventing Diseases and Parasites in Small Ruminants: Background, Definition, and Need. In Uma Karki (ed.), *Integrated Approach for Preventing Diseases and Parasites in the Southeast USA: Training Handbook* (pp. 1-24). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. LIV251101.
- Karki, U. 2025. Chapter 4: Use of browse, woodlands, and silvopastures to expand grazing opportunity and minimize health problems in small ruminants. In Uma Karki (ed.), *Integrated Approach for Preventing Diseases and Parasites in the Southeast USA: Training Handbook* (pp. 73-102). Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. LIV251101.
- Karki, U., L. B. Karki, D. R. Pradhan, L. Sherchand. 2020. Principles, practices, and future directions of sustainable livestock production in Nepal. In D. P. Rasali, P. B. Bhandari, U. Karki, M. N. Parajulee, R. Acharya, and R. Adhikari (eds.), *Principles and Practices of Food Security: Sustainable, Sufficient and Safe Food for Healthy Living in Nepal* (pp. 270-295). Nepalese Association of Agricultural Professionals of Americas, ISBN 9 780 578 619958.

Proceedings Paper

6 Papers

- Karki, U. 2016. Strategies to enhance the sustainability of small-scale goat production. 7th National Small Farm Conference “Creating and Sustaining Small Farmers and Ranchers,” September 20-22, Virginia Beach Convention Center, Virginia Beach, Virginia. (*Abstract, oral presentation, and proceedings paper*).
- Karki, U., N. K. Gurung, A. Elliott, and J. Moore. 2012. Working with small farmers for promoting sustainable livestock production system. 6th National Small Farm Conference “Promoting the Successes of Small Farmers and Ranchers,” September 18-20, Tennessee State University, Memphis, Tennessee. (*Abstract, oral presentation, and proceedings paper*).
- Karki, U., N. Gurung, and N. Baharanyi. 2010. Short-term impact and evaluation of Tuskegee University extension education programs. The Professional Agricultural Workers Conference, December 5-7, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*).
- Prince-Davis, A., U. Karki, R. Reese, C. Wrights, and N. Gurung. 2012. Show perception of youth and their parents participating in the Tuskegee University goat show. The Professional Agricultural Workers Conference, December 2-4, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*).
- Reese, R., U. Karki, N. Gurung, J. Moore, and A. Elliott. 2012. Impact of year-round pasture production and grazing management program. The Professional Agricultural Workers Conference, December 2-4, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*).
- Karki, U. 2018. Year-round forage production for sustainable goat farming. The Third National Goat Conference, September 16-18, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088 and Renaissance Hotel, Montgomery, AL. (*Abstract, oral presentation, and proceedings paper*).

Newsletter Articles (Peer-Reviewed)

11 Articles

- Acharya, A., U. Karki, and S. Acharya, and M. Dumre. 2026. Silvopasture system to mitigate solar radiation and provide comfortable environment for summer grazing. *Agri-Connection*, Vol. 11, Issue 1, March, Quarterly Newsletter, Association of Nepalese Agricultural Professionals of Americas (NAPA).
- Acharya, S., U. Karki, and A. Acharya, and M. Dumre. 2026. enteric methane emission from hair sheep reduced while grazing in silvopasture system during summer. *Agri-Connection*, Vol. 11, Issue 1, March, Quarterly Newsletter, Association of Nepalese Agricultural Professionals of Americas (NAPA).
- Bhattra, S., U. Karki, S. Poudel, and L. B. Karki. 2019. Avenues for woodland management: maximizing benefits by cutting non-target plants and rotational grazing. *Temperate Agroforester*, 25 (1), Association for Temperate Agroforestry.
- Chaudhary, S., U. Karki, B. Shrestha, and S. Lamsal. 2023. Soybean is superior to corn for supplementing nursing ewes and lambs raised in woodlands. *Agri-Connection*, March, Quarterly Newsletter, 8 (1), Association of Nepalese Agricultural Professionals of Americas (NAPA).

- Dhakal, D., U. Karki, and S. Chaudhary. 2023. Livamol with BioWorma reduces the gastrointestinal nematode EPG in nursing Kiko does. *Agri-Connection*, Quarterly Newsletter, June, 8 (3), Association of Nepalese Agricultural Professionals of Americas (NAPA).
- Karki, L. B., U. Karki, S. Poudel, and S. Bhattarai. 2018. Silvopasture practice helps a farmer stay strong and healthy. *Temperate Agroforester*, 24 (3), Association for Temperate Agroforestry.
- Karki, S., R. Shange, R. Ankumah, W. McElhenney, O. Idehen, S. Poudel, and U. Karki. 2020. Soil physiochemical properties and enzyme activities in silvopasture and woodland land-use systems. *Temperate Agroforester*, 26 (2), Association for Temperate Agroforestry.
- Karki, U. 2016. Agroforestry extension education for benefitting farmers and landowners. *Temperate Agroforester*, 22 (3), Association for Temperate Agroforestry.
- Karki, U. 2016. Southern-pine silvopasture system for expanding the grazing opportunity for goats. *Temperate Agroforester*, 22 (3), Association for Temperate Agroforestry.
- Lamsal, L., U. Karki, S. Chaudhary, and D. Dhakal. 2023. Pregnant ewes and does performed better indoor vs. outdoor during winter. *Agri-Connection*, Quarterly Newsletter, June, 8 (2). Association of Nepalese Agricultural Professionals of Americas (NAPA).
- Pudota, M., V. C. Anche, A. Byars, S. Kumar, U. Karki, L. B. Karki, D. D. Davis, and S. R. Mentreddy. 2019. Alley cropping with specialty crops under pine and pecan stands. *Temperate Agroforester*, 25 (2), Association for Temperate Agroforestry.

Extension Publications

10 Publications

- Karki, U. (Ed.). 2012. Pasture-weed identification and management. Workshop Proceedings. Tuskegee University Cooperative Extension Program. Publication No. TUAG 0812-03. Available online:
<https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/WeedProceedings.pdf>.
- Karki, U. 2010. Forage selection, establishment, and management in silvopasture. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. 0111-02, Available online:
<https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/ForageSelectEstablishManage%20Silvopasture.pdf>.
- Karki, U. 2011. Goat production: colostrum for newborn kids. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0110-01, Available online:
<https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/Colostrum%20feeding.pdf>.
- Karki, U. 2013. Kidding season - tips to minimize kid mortality,
<http://drkarkiu.blogspot.com/2013/02/kidding-season-tips-to-minimize.html>.
- Karki, U. 2014. Goat production: care and management of newborn kids. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0914-01, Available online:
<https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/KidCareManagement.pdf>.

- Karki, U. 2014. Guidelines on preparing and showing meat goats: for Alabama youths. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 1014-01, Available online: <https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/GoatShowGuide.pdf>
- Karki, U. 2014. Year-round pasture & grazing calendar. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 1014-01, <https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/Year-round%20Pasture%20Calendar.pdf>.
- Karki, U. 2017. Woodland grazing notes with research highlights. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TULIV-1017-01, Available online: <https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/WoodlandGrazing.pdf>.
- Karki, U. and N. K. Gurung. 2009. Year-round pasture production and management. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TULV 0709-01 Livestock Production, Available online: https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/YearRoundPasture_ProductionManagement.pdf.
- Karki, U., L. B. Karki, N. K. Gurung, and A. Elliott. 2013. Cool-season forages for sustainable goat production: Research highlights. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TULIV-1311-01, Available online: https://www.tuskegee.edu/Content/Uploads/Tuskegee/files/CAENS/TUCEP/Livestock%20program/Winter_Forage.pdf

Editorial Service

- Editor-In-Chief. 2023-June 2026 . *Global Journal of Agricultural and Allied Sciences* (GJAAS). Nepalese Association of Agricultural Professionals of Americas, Online ISSN: 2575-1670 ||Print ISSN: 2575-1662.
- Handbook Editor. 2025. *Integrated Approach for Preventing Diseases and Parasites in Small Ruminants in the Southeast USA*. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. LIV221101, 243 pages.
- Book Editor. 2017-2020. *Principles and Practices of Food Security: Sustainable, Sufficient and Safe Food for Healthy Living in Nepal*. Nepalese Association of Agricultural Professionals of Americas, 405 pages, ISBN 9 780 578 619958.
- Handbook Editor. 2015. *Sustainable Agroforestry Practices in the Southeastern Region, Handbook for Training Field Extension and Technical Assistance Personnel*. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University and the 1890 Agroforestry Consortium, Publication No. TUAG1015-01, 173 pages.
- Educational Video Editor (plus Script Writer, Director). 2014. *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region*, <https://www.youtube.com/watch?v=wq9wTE7-HkA>.

- Handbook Editor. 2013. *Sustainable Year-Round Forage Production and Grazing/Browsing Management for Goats in the Southern Region, Handbook for Training Field Extension and Technical Assistance Personnel*. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG0213-01 Livestock Production, 194 pages.
- Journal Editor. 2016-2022. *Global Journal of Agricultural and Allied Sciences*, Nepalese Association of Agricultural Professionals of Americas, Online ISSN: 2575-1670 ||Print ISSN: 2575-1662.
- Journal Editor. 2019-present. *Agroforestry Systems*, Special Issue for 2019 North American Agroforestry Conference.
- Newsletter Editor. 2015-2019. *Agroforester Newsletter*, Association for Temperate Agroforestry <https://aftaweb.org/>.
- Workshop Proceedings Editor. 2012. *Pasture-Weed Identification and Management Workshop Proceedings*. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0812-03, 48 pages.
- Workshop Proceedings Editor. 2013. *Integrated Management of Internal Parasites in Goats Workshop Proceedings*. Cooperative Extension, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Publication No. TUAG 0513-01, 52 pages.

Invited Speaker (14)

- Karki, U. 2025. Climate-resilient and sustainable animal production to thrive farming and food system. February 2, International Conference on Agricultural Transformation for Sustainable Food System, February 2-4, Agriculture and Forestry University Rampur, Chitwan, Nepal.
- Karki, U. 2024. Agroforestry practices to promote climate-resilient and sustainable animal production systems. Ecological Impact on Agriculture, Business and Technology Conference, June 18-19, Agriculture & Forestry University, Rampur, Chitwan, Nepal.
- Karki, U. 2024. Forage management & supplementation for small ruminants. Virtual training event, May 14, Alabama Cooperative Extension System.
- Karki, U. 2024. Climate-Change impact and small ruminant farming. March 1, Alabama State Association of Cooperatives (ASAC) Inaugural Spring Workshop, Epes, AL.
- Karki, U. 2024. Basics of sustainable small ruminant production. February 24, SIFAT La Tigra, Costa Rica.
- Karki, U. 2024. FAMACHA and Smart Drenching. February 24-25, SIFAT La Tigra, Costa Rica.
- Karki, U. 2024. Climate-Smart agricultural practices & opportunities for farmers. February 15, Council on Food, Agriculture and Resource Economics-CFARE Webinar.
- Karki, U. 2023. Small ruminants: Production basics. Operation grow boot camp. Alabama Extension and Alabama Department of Agriculture & Industries, May 25, Pike Road Ag Center, 6281 Trotman Road, Montgomery, AL 36116.
- Karki, U. 2022. Agroforestry research and extension: case of Alabama and Southeast. Special Session: Food Security. ARD Research Symposium, April 2-5, Atlanta Marriott Marquis, Atlanta, GA. (*oral presentation*)

- Karki, U. 2021. Year-round grazing management. The Fourth National Goat Conference, Sept. 20-21. Virtual (Abstract & oral presentation).
- Karki, U. 2020. Use of silvopastures and woodlands to expand the grazing opportunity for small ruminants. ASAS Southern Section Meeting, January 25-28, Chattanooga, TN. (*Invited speaker; Abstract and oral presentation*) *Journal of Animal Science*, Volume 98, Issue Supplement_2, November 2020, Pages 67–68, <https://doi.org/10.1093/jas/skz397.157>
Published: 28 November 2020
- Karki, U. 2018. Year-round forage production for sustainable goat farming. The Third National Goat Conference, Sept. 16-18, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088 and Renaissance Hotel, Montgomery, AL. (Abstract and proceedings paper - oral presentation).
- Karki, U. 2014. Winter forages for sustainable goat production. 2014 American Forage and Grassland Council (AFGC) Annual Conference. January 12-14, Hilton in Memphis, Tennessee.
- Karki, U. 2013. Healthy pastures for goats. The second National Goat Conference, September 15-19, Sheraton Greensboro Hotel, Greensboro, North Carolina.

Scientific Conference Abstracts, Presentations, and Proceedings Papers

Total 174

- Karki, U., A. Acharya, S. Acharya, M. Dumre, and A. Kumi. 2026. Seasonal variation in greenhouse gases and soil moisture and temperature between silvopasture and open pasture managed with small ruminants. 5th Biennial International Scientific Conference, May 26-28, Indianapolis, Indiana (*Abstract accepted for oral presentation*).
- Acharya, S., U. Karki, A. Acharya, and M. Dumre. 2026. Potential of southern-pine silvopasture to mitigate heat stress in hair sheep during summer. 5th Biennial International Scientific Conference, May 26-28, Indianapolis, Indiana (*Abstract accepted for oral presentation and student competition*).
- Dumre, M., U. Karki, S. Acharya, A. Acharya. 2026. Evaluation of non-chemical products to control gastrointestinal nematode parasites and enhance immunity and performance of goat kids. 5th Biennial International Scientific Conference, May 26-28, Indianapolis, Indiana (*Abstract accepted for poster presentation and student competition*).
- Karki, U., A. Acharya, S. Acharya, M. Dumre, and A. Kumi. 2026. Differences in greenhouse gases, soil moisture, and soil temperature between southern-pine silvopasture and open pasture. 22nd ARD Biennial Research Symposium, March 28 – March 31, 2026, Hyatt Regency New Orleans (*Abstract accepted for oral presentation*).
- Acharya, S., U. Karki, A. Acharya, and M. Dumre. 2026. Differences in solar radiation and animal immunity between southern-pine silvopasture and open pasture during summer. 22nd ARD Biennial Research Symposium, March 28 – March 31, 2026, Hyatt Regency New Orleans (*Abstract accepted for oral presentation*).
- Acharya, A., U. Karki, S. Acharya, and M. Dumre. 2026. Comparison of southern pine silvopasture and open pasture for climate parameters and animal stress during summer. 22nd ARD Biennial Research Symposium, March 28 – March 31, 2026, Hyatt Regency New Orleans. (*Abstract accepted for poster presentation*)
- Acharya, A., U. Karki, S. Acharya, and M. Dumre. 2026. Silvopasture provided milder microclimate and reduced stress in goats compared to open pasture during summer.

- February 19-20, 134th Annual Farmers Conference, Tuskegee University, Tuskegee, Alabama (*Abstract and poster presentation and student competition*).
- Acharya, S., U. Karki, A. Acharya, and M. Dumre. 2026. Silvopasture produced better quality forage and reduced enteric methane emission from hair sheep compared to open pasture in summer. February 19-20, 134th Annual Farmers Conference, Tuskegee University, Tuskegee, Alabama (*Abstract, oral presentation, and student competition*).
- Karki, U., S. Acharya, A. Acharya, M. Dumre, and S. Sharma. 2026. Farm evaluation of a biological product to control gastrointestinal nematodes in pasture-raised goats. January 25-27, 2026, Embassy Suites Northwest Arkansas Hotel, Spa & Convention Center, Rogers, Arkansas. (*Abstract; oral presentation – travel cancelled because of inclement weather*). *Journal of Animal Science*, Volume 104, Issue Supplement_2, April 2026, skag057.112, <https://doi.org/10.1093/jas/skag057.112> **Published:** 02 April 2026.
- Acharya, A., U. Karki, S. Acharya, and M. Dumre. 2026. Differences in forage quality and hematological parameters of Kiko goats grazing southern pine silvopasture and open pasture during summer. January 25-27, 2026, Embassy Suites Northwest Arkansas Hotel, Spa & Convention Center, Rogers, Arkansas. (*Abstract for oral presentation – travel cancelled because of inclement weather*). *Journal of Animal Science*, Volume 104, Issue Supplement_2, April 2026, skag057.113, <https://doi.org/10.1093/jas/skag057.113> **Published:** 02 April 2026.
- Acharya, S., U. Karki, A. Acharya, and M. Dumre. 2026. Potential of Southern Pine Silvopasture to Mitigate Enteric Methane Emission from and Enhance Performance of Hair Sheep. January 25-27, 2026, Embassy Suites Northwest Arkansas Hotel, Spa & Convention Center, Rogers, Arkansas. (*Abstract for oral presentation – travel cancelled because of inclement weather*). *Journal of Animal Science*, Volume 104, Issue Supplement_2, April 2026, skag057.013, <https://doi.org/10.1093/jas/skag057.013> **Published:** 02 April 2026.
- Karki, U. 2025. Silvopasture for resilient environment and sustainable production system, Nov. 16-18, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Acharya, S., U. Karki, A. Acharya, and M. Dumre. 2025. Enteric methane emission and performance of hair sheep grazing southern pine silvopasture and open pasture. The 83rd Professional Agricultural Workers Conference, Nov. 16-18, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Acharya, A., U. Karki, S. Acharya, and M. Dumre. 2025. Enteric methane emissions and performance of Kiko does raised in open pasture and silvopasture during summer. The 83rd Professional Agricultural Workers Conference, Nov. 16-18, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Dumre, M. and U. Karki. 2025. Non-chemical methods for controlling gastrointestinal nematodes in small ruminants: a review. The 83rd Professional Agricultural Workers Conference, Nov. 16-18, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Karki, U., D. O'Brien, A. McKenzie-Jakes, T. Gibson, R. Browning, A. Pellerin, and B. Kouakou. 2025. Farm characteristics and perspectives of meat-goat farmers from the southeast USA. Southern Section /Western Section Joint Meeting, April 5-8, Sheraton Arlington Hotel, Arlington, Texas (*Abstract and oral presentation*).

- White, E., U. Karki, S. Lamsal, D. Dhakal, and A. Acharya. 2025. Evaluating the effect of Livamol with BioWorma in controlling gastrointestinal nematodes and improving performance in does during late pregnancy and early lactation. Southern Section /Western Section Joint Meeting, April 5-8, Sheraton Arlington Hotel, Arlington, Texas (*Abstract and oral presentation – 3-minute student competition*).
- White, E., U. Karki, S. Lamsal, D. Dhakal, and A. Acharya. 2025. Evaluating the effect of Livamol with BioWorma in controlling gastrointestinal nematodes and improving performance in does during late pregnancy and early lactation. Exert graduate student competition, Farmers conference, March 17-19 (*Abstract and oral presentation; 1st winner*).
- Acharya, A., and U. Karki. 2025. The role of supplement feeding in minimizing greenhouse gas emissions from ruminants - a meta-analysis. Exert graduate student competition, Farmers conference, March 17-19 (*Abstract and oral presentation; 3rd winner*).
- Karki, U. 2024. 1. Greenhouse gas emissions from livestock production systems and mitigation strategies, presented at the session - Strategies to Transition towards Climate-Smart Crop and Livestock Production Practices and chaired the session. The 82nd Professional Agricultural Workers Conference, Nov. 17-19, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation; chaired the session*).
- White, E., U. Karki, S. Lamsal, D. Dhakal, and A. Acharya. 2024. Effect of Livamol with BioWorma on hematological parameters in Kiko does during late pregnancy and early lactation. The 82nd Professional Agricultural Workers Conference, Nov. 17-19, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Acharya, A., U. Karki, and E. White. 2024. Comparison of greenhouse gas emission from silvopasture and open pasture during summer: preliminary research. The 82nd Professional Agricultural Workers Conference, Nov. 17-19, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and poster presentation*).
- Acharya, S., N. Shah. U. Karki. 2024. Comparison of greenhouse gas emission from silvopasture and open pasture during summer: preliminary research. The 82nd Professional Agricultural Workers Conference, Nov. 17-19, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Karki, U. 2024. Transitioning towards the Climate-Smart ruminant livestock production system to mitigate global warming – a review. Nepalese Agricultural Professionals of Americas (NAPA), the 4th Biennial International Scientific Conference. May 24-26, Baltimore, MD. (*Abstract and oral presentation*).
- Dhakal, D., U. Karki, S. Chaudhary, and S. Lamsal. 2024. Impact of Livamol with BioWorma on hematological and biochemical parameters of nursing Kiko does raised on pastures. Nepalese Agricultural Professionals of Americas (NAPA), the 4th Biennial International Scientific Conference. May 24-26, Baltimore, MD. (*Abstract and poster presentation*).
- Lamsal, S., U. Karki, S. Chaudhary, D. P. Dhakal, and B. Paneru. 2024. Impact of rearing system on various stress indexes in pregnant does and ewes during winter. Nepalese Agricultural Professionals of Americas (NAPA), the 4th Biennial International Scientific Conference. May 24-26, Baltimore, MD. (*Abstract and oral presentation*).

- Karki, U., D. O'Brien, A. McKenzie-Jakes, T. Gibson, R. Browning, A. Pellerin, and B. Kouakou. Challenges of Producers in marketing meat goats and their products in the southeast USA. ARD Research Symposium, April 6-9, Gaylord Opryland Hotel, Nashville, TN. (*Abstract and oral presentation*)
- Lamsal, S., U. Karki, S. Chaudhary, D. P. Dhakal, and B. Paneru. 2024. Rearing system influenced the blood parameters of pregnant does during various stages of pregnancy. ARD Research Symposium, April 6-9, Gaylord Opryland Hotel, Nashville, TN. (*Abstract and oral presentation*)
- Dhakal, D., U. Karki, S. Chaudhary, and S. Lamsal. 2024. Effects of Livamol with BioWorma on the performance of nursing Kiko does and kids raised in pastures. ARD Research Symposium, April 6-9, Gaylord Opryland Hotel, Nashville, TN. (*Abstract and poster presentation*)
- Karki, U, S. Lamsal, D. Dhakal, B. Paneru, S. Chaudhary, and E. White. 2024. Use of small ruminants to reduce the fuel build-up in woodlands. 18th North American Agroforestry Conference. February 20-22, 2024, CATIE in Turrialba, Costa Rica. (*Abstract & oral presentation*)
- Lamsal, S., U. Karki, S. Chaudhary, D. P. Dhakal, and B. Paneru. 2024. Rearing system influenced the performance, GI-parasite burden, and immune profile of pregnant does during winter. ASAS (Southern Section) Meeting, January 27-30, 2024, at the Omni Louisville Hotel Louisville, Kentucky. (*Abstract and oral presentation*).
- Dhakal, D., U. Karki, S. Chaudhary, and S. Lamsal. 2024. Efficacy of Livamol with BioWorma for controlling gastrointestinal nematode in nursing Kiko does raised in pastures. ASAS (Southern Section) Meeting, January 27-30, 2024, at the Omni Louisville Hotel Louisville, Kentucky. (*Abstract and oral presentation*).
- Karki, U. 2023. Overview of climate change and mitigation strategies. The 81st Professional Agricultural Workers Conference, Oct. 29-31, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Lamsal, S., U. Karki, S. Chaudhary, D. P. Dhakal, and B. Paneru. 2023. Evaluation of hematological, biochemical, and immune profile in pregnant ewes raised outdoor vs. indoor during winter. The 81st Professional Agricultural Workers Conference, Oct. 29-31, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and oral presentation*).
- Dhakal, D., U. Karki, S. Chaudhary, and S. Lamsal. 2023. Livamol with BioWorma reduced the gastrointestinal nematode EPG in nursing Kiko does raised on pastures. The 81st Professional Agricultural Workers Conference, Oct. 29-31, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL. (*Abstract and poster presentation*).
- Chaudhary, S., U. Karki, B. Shrestha, and S. Lamsal. 2023. Soybean-supplemented nursing ewes showed better performance and health status than corn-supplemented ewes stocked in woodlands. ASAS Annual Meeting, July 16-20, 2023, Albuquerque Convention Center, Albuquerque, NM. (*Abstract & poster presentation*)
- Lamsal, S., U. Karki, S. Chaudhary, and D. P. Dhakal. 2023. Performance and resiliency against gastrointestinal parasites of pregnant does and ewes raised indoor and outdoor during the winter season. ASAS Annual Meeting, July 16-20, 2023, Albuquerque Convention Center, Albuquerque, NM. (*Abstract & poster presentation*)

- Karki, U., N. Whitley, J. Burke, L. B. Karki, S. Hart, S. Kerr, and N. Gurung. 2023. Curricula-based trainers' training: integrated approach for preventing diseases and parasites in small ruminants in the Southeast. ASAS Annual Meeting, July 16-20, 2023, Albuquerque Convention Center, Albuquerque, NM. (*Abstract & oral presentation*)
- Chaudhary, S., U. Karki, B. Shrestha, and S. Lamsal. 2023. Supplement type influenced the immune response of nursing ewes to the natural challenge of gastrointestinal parasites while grazing in woodlands. ASAS (Southern Section) Meeting, January 21-24, 2023, at the Hilton Raleigh North Hills Raleigh, NC. (*Abstract & oral presentation*). *Journal of Animal Science*, Volume 101, Issue Supplement_1, May 2023, Pages 25–26, <https://doi.org/10.1093/jas/skad068.029>
- Karki, U. 2022. Importance of woodland grazing and research highlights. The 80th Professional Agricultural Workers Conference, Nov. 13-15, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL.
- Lamsal, S., U. Karki, S. Chaudhary, B. Shrestha, and D. P. Dhakal. 2022. Different methods of stress measurement in livestock: a review. The 80th Professional Agricultural Workers Conference, Nov. 13-15, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, Alabama. (*Abstract and poster presentation; won the 1st position, graduate student competition*)
- Chaudhary, S., U. Karki, B. Shrestha, and S. Lamsal. 2022. Influence of supplement type on the prevalence of gastrointestinal parasites in nursing ewes and lambs raised in woodlands. The 80th Professional Agricultural Workers Conference, Nov. 13-15, Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, Alabama. (*Abstract and oral presentation; participated in the graduate student competition*)
- Karki, L. B. and U. Karki. 2022. Market potential for lamb and chevon in the USA. 13th International Goat Conference, September 20-22. Virtual. (*Abstract and poster presentation*)
- Chaudhary, S., U. Karki, B. Shrestha, and S. Lamsal. 2022. Effect of age on the performance of Kiko does raised on cool-season pastures. 13th International Goat Conference, September 20-22. Virtual. (*Abstract and poster presentation*)
- Shrestha, B., U. Karki, A. Tiwari, S. Chaudhary, and S. Lamsal. 2022. Sex effect on the growth of Kiko kids and Katahdin-St. Croix-cross lambs raised on pastures. 13th International Goat Conference, September 20-22. Virtual. (*Abstract and poster presentation*)
- Shrestha, B., S. Chaudhary, U. Karki, A. Tiwari, S. Lamsal, and L. Karki. 2022. Impact of supplement type on the performance and concentration of fecal nutrients of lactating does and their kids raised in woodlands. 13th International Goat Conference, September 20-22. Virtual. (*Abstract and poster presentation*)
- Karki, U., B. Paneru, A. Tiwari, N. Ellis, S. Bhattarai, L. Karki, and S. Poudel. 2022. Silvopastures showed better soil quality and growth of southern pines vs. woodlands when both systems were integrated with small ruminants. 5th World Congress on Agroforestry: Transiting to a Viable World, Quebec City, July 17-20. (Hybrid) Attended virtually (Abstract and virtual – 3-minute video presentation).
- Karki, U., B. Shrestha, S. Chaudhary, A. Tiwari, and L. Karki. 2022. Costs for supplementing small ruminants under the various grazing-based production systems. ASAS-CSAS Annual Meeting, June 26-30, at the Oklahoma City Convention Center, Oklahoma City, OK. (*Abstract & oral presentation*)

- Shrestha, B., U. Karki, A. Tiwari, S. Chaudhary, and L. Karki. 2022. Performance and resiliency of lactating does and their kids in woodlands with supplemental feedstuffs or grazing. ASAS-CSAS Annual Meeting, June 26-30, at the Oklahoma City Convention Center, Oklahoma City, OK. (*Abstract & poster presentation; Graduate student competition*)
- Shrestha, B., U. Karki, A. Tiwari, and S. Chaudhary. 2022. Effect of supplement type on the nutrient status of lactating Kiko does stocked in woodlands. Nepalese Agricultural Professionals of Americas (NAPA), the third Biennial International Scientific Conference. May 27-29, Sonesta Hotel, Atlanta, GA. (*Abstract and poster presentation*)
- Chaudhary, S., B. Shrestha, L. Karki, Anand Tiwari, and U. Karki. 2022. Cost of feeding and performance of small ruminants during the lean period of forage production. Nepalese Agricultural Professionals of Americas (NAPA), the third Biennial International Scientific Conference. May 27-29, Sonesta Hotel, Atlanta, GA. (*Abstract and poster presentation – won 2nd prize in graduate student poster competition*)
- Karki, U., B. Shrestha, S. Chaudhary, A. Tiwari, J. Johnson, K. Norwood, and L. Karki. 2022. Comparative Performance of Meat Goats and Hair Sheep Raised in the Pasture-Based Production System. Nepalese Agricultural Professionals of Americas (NAPA), the third Biennial International Scientific Conference. May 27-29, Sonesta Hotel, Atlanta, GA. (*Abstract and oral presentation*)
- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. 2022. Addition of legume into grass pastures improved the health indicators in Katahdin-St. Croix ewes. Nepalese Agricultural Professionals of Americas (NAPA), the third Biennial International Scientific Conference. May 27-29, Sonesta Hotel, Atlanta, GA. (*Abstract and oral presentation*)
- Shrestha, B., U. Karki, A. Tiwari, and S. Chaudhary. 2022. Performance of lactating does and their kids in woodlands with supplemental feedstuffs or grazing. ARD Research Symposium, April 2-5, Atlanta Marriott Marquis, Atlanta, GA. (*Abstract and poster presentation*)
- Karki, U., A. Tiwari, J. Johnson, K. Norwood, and L. Karki. 2022. Developing an integrated approach for preventing diseases and parasites in small ruminants in the Southeast. ARD Research Symposium, April 2-5, Atlanta Marriott Marquis, Atlanta, GA. (*Abstract & oral presentation*)
- Shrestha, B., U. Karki, A. Tiwari, and S. Chaudhary. 2021. Prevalence of gastrointestinal parasites in lactating Kiko does and their kids in woodlands with supplements. The 79th Professional Agricultural Workers Conference, Dec. 5-7, Tuskegee University, Virtual. (*Abstract and poster presentation*)
- Tiwari, A., U. Karki, B. Shrestha, and S. Chaudhary. 2021. Gender effect on the growth of Katahdin-St. Croix-cross lambs raised in pastures. The 79th Professional Agricultural Workers Conference, Dec. 5-7, Tuskegee University, Virtual. (*Abstract and poster presentation*)
- Norwood, K., U. Karki, J. Johnson, and A. Tiwari. 2021. Health and Performance of Small Ruminants Raised by Alabama Farmers in Fall and Winter Seasons. The Fourth National Goat Conference, September 20-21, 2021. Virtual. (*Abstract & poster presentation*)
- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. 2021. Legume addition to grass pastures minimized the nutrient loss of Kiko goats into their feces. The Fourth National Goat Conference, September 20-21, 2021. Virtual. (*Abstract & poster presentation*)

- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. 2021. Blood profile of Kiko does raised on grass-legume-mixed pastures vs. sole-grass pastures during fall. ASAS-CSAS-SSASAS Annual Meeting, July 14-18, 2021, at the Kentucky International Convention Center in Louisville, KY. Virtual (*Abstract & oral presentation*)
- Karki, L., U. Karki, and A. Tiwari. 2021. Woodland grazing: untapped resource to increase economic benefits from forestland. ASAS-CSAS-SSASAS Annual Meeting, July 14-18, 2021, at the Kentucky International Convention Center in Louisville, KY. Virtual (*Abstract & oral presentation*)
- Karki, U., A. Tiwari, K. Norwood, J. Johnson, and L. Karki. 2021. The extent and pattern of correlation among blood parameters differed between pasture-raised goats and sheep. ASAS-CSAS-SSASAS Annual Meeting, July 14-18, 2021, at the Kentucky International Convention Center (KICC) in Louisville, KY. Virtual (*Abstract & oral presentation*)
- Karki, U., A. Tiwari, K. Norwood, J. Johnson, and L. Karki. 2021. Body condition score for monitoring the performance and health of small ruminants in field conditions. ASAS-CSAS-SSASAS (Southern Section) Meeting, July 14-18, 2021, at the Kentucky International Convention Center (KICC) in Louisville, KY. (*Abstract & oral presentation*)
- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. 2021. Legume-grass pastures enhanced the performance of Kiko does. ASAS-CSAS-SSASAS (Southern Section) Meeting, July 14-18, 2021, at the Kentucky International Convention Center (KICC) in Louisville, KY. (*Abstract & oral presentation*)
- Karki, U., B. Paneru, A. Tiwari, N. Ellis, S. Bhattarai, L. Karki, and S. Poudel. 2021. Soil quality and growth of southern pines in silvopastures and woodlands integrated with small ruminants. 17th North American Agroforestry Conference. June 28-July 2, 2021, Virtual. (*Abstract & oral presentation*)
- Johnson, J. L., U. Karki, A. Tiwari, K. Norwood, and L. Karki. 2021. Load of gastrointestinal parasites in small ruminants with or without leguminous forages during the fall season. 17th North American Agroforestry Conference. June 28-July 2, 2021, Virtual. (*Abstract & oral presentation*)
- Norwood, K., U. Karki, J. Johnson, and A. Tiwari. 2020. Health and performance of small ruminants being raised by Alabama farmers during the fall season. The 78th Professional Agricultural Workers Conference, Dec. 6-8, Tuskegee University, Virtual. (*Abstract and oral presentation*)
- Tiwari, A., U. Karki, B. Paneru, N. Ellis, and L. Karki. 2020. Legume-grass pastures enhanced the growth of yearling Kiko does. The 78th Professional Agricultural Workers Conference, Dec. 6-8, Tuskegee University, Virtual. (*Abstract and oral presentation*)
- Johnson, J. L., U. Karki, A. Tiwari, K. Norwood, and L. Karki. 2020. load of gastrointestinal parasites in small ruminants with or without leguminous forages during the fall season. The 78th Professional Agricultural Workers Conference, Dec. 6-8, Tuskegee University, Virtual. (*Abstract and oral presentation*)
- Karki, U., B. Paneru, S. Bhattarai, R. Khatri, N. Ellis, L. Karki, and S. Poudel. 2020. Integrating woodlands and animal production: whole system approach to promote sustainable agriculture. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and oral presentation*)

- Karki, L., U. Karki, and S. R. Mentreddy. 2020. Economic potential of specialty vegetable - bitter melon - in the southeast USA. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and oral presentation*)
- Devkota, I., H. B. Basnet, and U. Karki. 2020. Cattle milk production and marketing chain in bharatpur-16, Chitwan, Nepal. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and poster presentation*)
- Karki, L., U. Karki, G. Joshi, and J. Yabi. 2020. Students' preference for and perception of agricultural education: a case of rural Nepal. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and oral presentation*)
- Karki, L. and U. Karki. 2020. Need for financial education in high school curricula: a case of rural Nepal. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and oral presentation*)
- Paneru, B., S. Bhattarai, N. Ellis, and U. Karki. 2020. Sprouting and canopy development pattern of browse species suitable for grazing small ruminants. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and poster presentation*)
- Paneru, B., U. Karki, N. Ellis, and S. Bhattarai. 2020. Vegetation preference and browsing height of Kiko wethers and Katahdin rams co-stocked in woodlands. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract and poster presentation*)
- Ellis, N., U. Karki, B. Paneru, and S. Bhattarai. 2020. Health parameters of hair sheep raised in silvopasture and woodland systems. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference. Sept. 25-28-23, Virtual. (*Abstract*)
- Karki, U., B. Paneru, S. Bhattarai, N. Ellis, and L. Karki. 2020. Woodlands for expanding the grazing opportunity for small ruminants in the Southeast: challenges and opportunities. ASAS-CSAS-WSASAS 2020 Annual Meeting and Trade Show. July 19-23, Virtual. (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 98, Issue Supplement_4, November 2020, Pages 172–73, <https://doi.org/10.1093/jas/skaa278.317> Published: 30 November 2020
- Paneru, B., U. Karki, N. Ellis, S. Bhattarai. 2020. Performance of Kiko wethers and Katahdin rams co-stocked in woodlands with diverse vegetation. ASAS-CSAS-WSASAS 2020 Annual Meeting and Trade Show. July 19-23, Virtual. (*Abstract and poster presentation, graduate student competition*) *Journal of Animal Science*, Volume 98, Issue Supplement_4, November 2020, Page 261, <https://doi.org/10.1093/jas/skaa278.472> Published: 30 November 2020
- Karki, L. B., U. Karki, and S. R. Mentreddy. 2020. Market potential for specialty vegetables in the Southeast USA: scope and opportunities for small-scale producers. 52nd Annual Meeting of Southern Agricultural Economics Association (SAEA), February 1-4, Louisville, KY. (*Abstract and oral presentation*)
- Karki, L., U. Karki, S. R. Mentreddy. 2020. Possibility of shifting domestic supply curve for lamb and goat meat: the case of market price information in the southeast USA. ASAS Southern Section Meeting, January 25-28, Chattanooga, TN. (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 98, Issue Supplement_2, November 2020, Page 4, <https://doi.org/10.1093/jas/skz397.009> Published: 28 November 2020

- Paneru, B., U. Karki, N. Ellis, S. Bhattarai, and L. Karki. 2020. Behavior and landscape-use pattern of small ruminants co-grazed in woodlands with different vegetation characteristics. ASAS Southern Section Meeting, January 25-28, Chatanooga, TN. (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 98, Issue Supplement_2, November 2020, Pages 70–71, <https://doi.org/10.1093/jas/skz397.165> Published: 28 November 2020
- Ellis, N., U. Karki, B. Paneru, S. Bhattarai, and L. Karki. 2020. Health and performance of ewes in woodland and silvopasture systems. ASAS Southern Section Meeting, January 25-28, Chattanooga, TN. (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 98, Issue Supplement_2, November 2020, Page 70, <https://doi.org/10.1093/jas/skz397.164> Published: 28 November 2020
- Karki, L., U. Karki, and B. Paneru. 2019. Economic potentials of integrated approach for controlling animal diseases and parasites over traditional approach: the case of small producers in rural Alabama. The 77th Professional Agricultural Workers Conference, Dec. 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation*)
- Karki, U., R. Khatri, L. Karki, S. Bhattarai, S. Poudel, and A. Tillman. 2019. Nutrient content of common forage and browse species available in different grazing systems. The 77th Professional Agricultural Workers Conference, Dec. 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation*)
- Paneru, B., U. Karki, N. Ellis, and S. Bhattarai. 2019. Management strategies for efficient utilization of woodland resources integrating small ruminants. The 77th Professional Agricultural Workers Conference, Dec. 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and poster presentation; won the first place in graduate student competition*)
- Ellis, N., U. Karki, and B. Paneru. 2019. Utilization pattern of woodland vegetation by hair sheep. The 77th Professional Agricultural Workers Conference, Dec. 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation; won the 3rd place in graduate student competition*)
- Karki, U., L. B. Karki, and N. Gurung. 2019. Integrated approach for controlling diseases and parasites in small ruminants: Extension education and adoption. ASAS-CSAS 2019 Annual Meeting and Trade Show. July 8-11, Austin Convention Center, Austin, TX. (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 97, Issue Supplement_3, December 2019, Pages 87–88, <https://doi.org/10.1093/jas/skz258.180>
- Bhattarai, U. Karki, B. Paneru, and N. Ellis. 2019. Woodland grazing with altering understory vegetation height: performance and plant preference of small ruminants. ASAS-CSAS 2019 Annual Meeting and Trade Show. July 8-11, Austin Convention Center, Austin, TX. (*Abstract and poster presentation*) *Journal of Animal Science*, Volume 97, Issue Supplement_3, December 2019, Pages 230–231, <https://doi.org/10.1093/jas/skz258.469>
- Karki, U., S. Bhattarai, S. Poudel, and B. Paneru. 2019. Southern pines performed better in silvopastures than in woodland grazing system. 16th North American Agroforestry Conference. June 24-27, 2019, Oregon State University, Corvallis, Oregon. (*Abstract and oral presentation*) <https://afta2019.org/wp-content/uploads/2019/06/2019-NAAC-Abstracts.pdf>
- Karki, L. B., U. Karki, S. Bhattarai, and B. Paneru. 2019. Impact of woodland grazing in minimizing production costs for raising animals in the Southeast. 16th North American Agroforestry Conference. June 24-27, 2019, Oregon State University, Corvallis, Oregon.

- (Abstract and oral presentation) <https://afta2019.org/wp-content/uploads/2019/06/2019-NAAC-Abstracts.pdf>
- Poudel, S., U. Karki, S. Bhattarai, and Y. Karki. 2019. Performance of Katahdin rams in southern-pine silvopasture and woodland grazing systems. 16th North American Agroforestry Conference. June 24-27, 2019, Oregon State University, Corvallis, Oregon. (Abstract for oral presentation) <https://afta2019.org/wp-content/uploads/2019/06/2019-NAAC-Abstracts.pdf>
- Bhattarai, S., U. Karki, and B. Paneru. 2019. Vegetation height and diurnal period influenced the behaviors and distribution patterns of small ruminants in woodlands during fall. 16th North American Agroforestry Conference. June 24-27, 2019, Oregon State University, Corvallis, Oregon. (Abstract and oral presentation) <https://afta2019.org/wp-content/uploads/2019/06/2019-NAAC-Abstracts.pdf>
- Karki, U., R. Khatri, S. Poudel, L. B. Karki, S. Bhattarai, and P. K. Biswas. 2019. The potential of plant diversity for promoting the sustainability of small-ruminant production systems. ARD Research Symposium, March 30 – April 3, Hyatt Regency Atlanta, Jacksonville, FL. (Abstract and oral presentation)
- Paneru, B., U. Karki, S. Bhattarai, N. Ellis, and P. K. Biswas. 2019. Availability of the browse vegetation during the fall season for grazing small ruminants. ARD Research Symposium, March 30 – April 3, Hyatt Regency Atlanta, Jacksonville, FL. (Abstract and poster presentation; won the 3rd place in graduate student competition)
- Karki, L. B., U. Karki, and S. R. Mentreddy. 2019. Market potential for specialty vegetables and tree nuts in the southeast USA. ARD Research Symposium, March 30 – April 3, Hyatt Regency Atlanta, Jacksonville, FL. (Abstract and oral presentation)
- Paneru, B., U. Karki, S. Bhattarai, and N. Ellis. 2019. Growth period of different browse species suitable for grazing small ruminants. Joint Annual Research Symposium (JARS), March 22, Auditorium and Ballroom, Tompkins Hall, Tuskegee University. (Abstract and poster presentation; won the 3rd place in graduate student competition)
- Bhattarai, S., U. Karki, and S. Poudel. 2019. Vegetation characteristics and diurnal periods influenced the landscape-use pattern of goats and sheep in woodlands. ASAS Southern Section Meeting, January 26-29, Oklahoma City, OK. (Abstract and oral presentation; competed in graduate student presentation) *Journal of Animal Science*, Volume 97, Issue Supplement_1, July 2019, Pages 72–73, <https://doi.org/10.1093/jas/skz053.164>
- Karki, U. and L. Karki. 2018. Pasture and grazing management education program: changing the face of small-scale livestock operations in Alabama. The 76th Professional Agricultural Workers Conference, Dec. 2-4, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (Abstract and oral presentation)
- Bhattarai, S., U. Karki, S. Poudel, B. Paneru, and W. McElhenney. 2018. Cutting non-target vegetation improved solar radiation influx and biomass production in woodlands. The 76th Professional Agricultural Workers Conference, Dec. 2-4, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (Abstract and oral presentation; won the 2nd place in graduate student competition)
- Paneru, B., U. Karki, S. Bhattarai, and N. Ellis. 2018. Growth period of different browse species suitable for grazing small ruminants. The 76th Professional Agricultural Workers Conference, Dec. 2-4, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn

- Marriott Opelika Hotel & Conference Center at Grand National. (*Graduate student competition; Abstract and poster presentation*)
- Ellis, N., U. Karki, S. Bhattarai, and B. Paneru. 2018. Effectiveness of different methods for minimizing *haemonchus contortus* infestation in small ruminants – a meta-analysis. The 76th Professional Agricultural Workers Conference, Dec. 2-4, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and poster presentation; won the 1st place in graduate student competition*)
- Karki, L., U. Karki, T. Hargrove, and N. Baharanyi. 2018. Economic Implications of Year-Round Forage Production and Grazing Management. The 76th Professional Agricultural Workers Conference, Dec. 2-4, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation*)
- Karki, U. 2018. Year-round forage production for sustainable goat farming. The Third National Goat Conference, Sept. 16-18, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088 and Renaissance Hotel, Montgomery, AL. (INVITED SPEAKER; *Proceedings paper and oral presentation*).
- Karki, U., L. Karki, S. Bhattarai, and S. Poudel. 2018. Use of woodlands for extending the grazing opportunity for goats and reducing the production costs. The Third National Goat Conference, Sept. 16-18, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088 and Renaissance Hotel, Montgomery, AL. (*Abstract and poster presentation*).
- Bhattarai, S., U. Karki, and S. Poudel. 2018. Performance of Kiko wethers and Katahdin rams raised on different grazing systems. The Third National Goat Conference, Sept. 16-18, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088 and Renaissance Hotel, Montgomery, AL. (*Abstract and poster presentation*).
- Karki, U., S. Poudel, S. Bhattarai, L. B. Karki, and A. K. Singh. 2018. Performance, carcass characteristics, and meat quality of Kiko wethers finished on pasture and browse. ASAS-CSAS 2018 Annual Meeting and Trade Show. July 8-12, Baltimore, Vancouver, Canada (*Abstract and oral presentations*).
- Bhattarai, S., U. Karki, and S. Poudel. 2018. Small ruminants' preference for and performance on woodland vegetation maintained at different heights during fall. ASAS-CSAS 2018 Annual Meeting and Trade Show. July 8-12, Baltimore, Vancouver, Canada (*Abstract and poster presentations*)
- Poudel, S., U. Karki, Y. Karki, A. Tillman, and L. Karki. 2018. Confinement influenced the diurnal behavior and distribution pattern of Katahdin rams and Kiko wethers in southern-pine silvopastures. ASAS-CSAS 2018 Annual Meeting and Trade Show. July 8-12, Baltimore, Vancouver, Canada (*Abstract and poster presentations*)
- Karki, L. B., U. Karki, S. R. Mentreddy, S. Poudel, and S. Bhattarai. Market opportunity for goat and lamb meat in the southeastern US. ASAS-CSAS 2018 Annual Meeting and Trade Show. July 8-12, Baltimore, Vancouver, Canada (*Abstract and oral presentations*). *Journal of Animal Science*, Volume 96, Issue suppl_3, December 2018, Pages 195–196, <https://doi.org/10.1093/jas/sky404.424>, Published: 07 December 2018
- Poudel, S., U. Karki, Y. Karki, and A. Tillman. 2018. Diurnal behavior of Kiko wethers grazing southern-pine silvopasture with warm-season forages. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May 26-27, Oklahoma City,

- Oklahoma, USA (*Abstract and oral presentation; participated in graduate student competition*).
- Poudel, S., U. Karki, Y. Karki, and A. Tillman. 2018. Diurnal behavior of Kiko wethers grazing southern-pine silvopasture with warm-season forages. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May26-27, Oklahoma City, Oklahoma, USA (*Abstract and poster presentation; participated in graduate student competition*).
- Karki, U., S Poudel, S. Bhattarai, L. B. Karki, and A. K. Singh. 2018. Performance and carcass characteristics of Kiko wethers finished on pasture and browse. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May26-27, Oklahoma City, Oklahoma, USA (*Abstract and presentation*).
- Bhattarai, S., U. Karki, and S. Poudel. 2018. Assessing grazing impacts of Kiko wethers and Katahdin rams on understory light penetration in woodlands. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May26-27, Oklahoma City, Oklahoma, USA (*Abstract and oral presentation; participated in graduate student competition*).
- Bhattarai, S., U. Karki, and S. Poudel. 2018. Diurnal behavior and distribution pattern of Kiko wethers and Katahdin rams in woodlands. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May26-27, Oklahoma City, Oklahoma, USA (*Abstract and poster presentation; participated in graduate student competition*).
- Karki, U. 2018. Sustainable pasture improvement and grazing management education program for farmers. ASAS Southern Section Meeting, February 3-6, Fort Worth, Texas. (*Abstract and oral presentation*). *Journal of Animal Science*, Volume 96, Issue suppl_1, 1 March 2018, Pages 10–11, <https://doi.org/10.1093/jas/sky027.020> Published: 01 March 2018
- Karki, U. 2018. Chaired the SCC81 Sustainable small ruminant in the Southeastern Region session and presented TU station report. ASAS Southern Section Meeting, February 3-6, Fort Worth, Texas.
- Poudel, S., U. Karki, W. McElhenney, Y. Karki, and A. Tillman. 2018. Grazing behavior and distribution pattern of Katahdin rams in southern-pine silvopastures with cool-season forages. Nepalese Agricultural Professionals of Americas (NAPA) Biennial Conference, May26-27, Oklahoma City, Oklahoma, USA (*Abstract and poster presentation; participated in graduate student competition*).
- Karki, U. 2017. Sustainable management of southern-pine silvopastures using small ruminants. Presented in Silvopasture and Woodland Grazing for Sustainable Resource Management Workshop. The 75th Professional Agricultural Workers Conference, Dec. 3-5, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation; Chaired the session*)
- Poudel, S., U. Karki, W. McElhenney¹, Y. Karki, and A. Tillman. 2017. Grazing behavior and distribution pattern of Katahdin rams in southern-pine silvopastures with cool-season forages. The 75th Professional Agricultural Workers Conference, Dec. 3-5, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation, GSD Graduate Student Competition*).
- Bhattarai, S., U. Karki, and S. Poudel. 2017. Diurnal behavior and distribution pattern of Kiko wethers and Katahdin rams in woodlands. The 75th Professional Agricultural Workers

- Conference, Dec. 3-5, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and Poster presentation, GSD Graduate Student Competition*).
- Karki, L. B., G. Harris, T. Hargrove, N. Baharanyi, U. Karki, and Y. Diabate. 2017. Factors minimizing financial risk: a case of limited resource producers of Alabama. The 75th Professional Agricultural Workers Conference, Dec. 3-5, Tuskegee Univ. Kellogg Hotel & Conference Center and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation*)
- Karki, U., S. Poudel, Y. Karki, and A. Tillman. 2017. Prevalent weeds in the southern-pine silvopasture system managed with Kiko wethers. ASAS-CSAS 2017 Annual Meeting and Trade Show. July 8-12, Baltimore, Maryland (*Abstract and oral presentation*) *Journal of Animal Science*, Volume 95, Issue suppl_4, 1 August 2017, Pages 331, <https://doi.org/10.2527/asasann.2017.677>. Published: 01 August 2017
- Karki, U., Y. Karki, R. Khatri, A. Tillman, N. Gurung, and A. Kumi. 2017. Raising goats in the southern-pine silvopasture system: challenges and opportunities. 15th North American Agroforestry Conference. June 27-29, Virginia Tech, Squires Student Center, Blacksburg, Virginia. (*Abstract and oral presentation*)
- Karki, U., R. Khatri, J. Bettis, and Y. Karki. 2017. Management of understory vegetation in woodlands with Kiko goats. 15th North American Agroforestry Conference. June 27-29, 2017, Virginia Tech, Squires Student Center, Blacksburg, Virginia. (*Abstract and oral presentation*)
- Karki, L. B., U. Karki, S. R. Mentreddy, S. Bambo. Impact of Agroforestry Educational Program: A Case of Alabama. 15th North American Agroforestry Conference. June 27-29, 2017, Virginia Tech, Squires Student Center, Blacksburg, Virginia. (*Abstract and oral presentation*)
- Poudel, S., U. Karki, W. McElhenney, Y. Karki, A. Tillman, L. Karki, and A. Kumi. 2017. Challenges of stocking sheep in grazing plots with dormant browse species. 8th Joint Annual Research Symposium, March 17, Tompkins Hall, Tuskegee University, Tuskegee, Alabama (*Abstract and poster presentation*)
- Karki, U., Y. Karki, A. Tillman, R. Khatri, S. Poudel, N. Gurung, S. Kumi, B. Min. 2017. Suitable forages to be grown in southern-pine silvopasture systems for goats. ARD Research Symposium, April 1-4, Hyatt Regency Atlanta, Atlanta, GA. (*Abstract and poster presentation*)
- Karki, Y., U. Karki, R. Khatri, S. Poudel, N. Gurung, A. Kumi, and B. R. Min. 2017. Pine debarking behavior of Kiko wethers in silvopasture and woodland grazing systems. ARD Research Symposium, April 1-4, Hyatt Regency Atlanta, Atlanta, GA. (*Abstract and poster presentation*)
- Karki, U., Y. Karki, R. Khatri, A. Tillman, and N. Gurung. 2017. Grazing Behavior and Distribution Patterns of Kiko Wethers in Southern-Pine Silvopastures. ASAS Southern Section Meeting, February 2-7, Franklin, Tennessee. (*Abstract and oral presentation*).
- Poudel, S., U. Karki, Y. Karki, R. Khatri, and A. Tillman. 2016. Raising Kiko wethers in a year-round grazing system. The 74th Professional Agricultural Workers Conference, Dec. 4-6, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (Abstract and poster presentation, GSD Graduate Student Competition).
- Tillman, A., U. Karki, R. Khatri, Y. Karki, A. Kumi, and L. Karki. 2016. Preference of Kiko goats on selected browse species. The 74th Professional Agricultural Workers

- Conference, Dec.4-6, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (Abstract and poster presentation, 1st position in GSD Graduate Student Competition).
- Karki, U. 2016. Integrated approach for managing gastrointestinal parasites in goats. The 74th Professional Agricultural Workers Conference, Dec. 4-6, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (Abstract and oral presentation).
- Karki, U. 2016. Strategies to enhance the sustainability of small-scale goat production. 7th National Small Farm Conference “Creating and Sustaining Small Farmers and Ranchers”, September 20-22, Virginia Beach Convention Center, Virginia Beach, Virginia. (*Abstract, oral presentation, and proceedings paper*).
- Karki, L. B., N. Baharanyi, U. Karki, and E. Scott. 2016. Assessing financial education needs and Extension deliverables for students. 47th Annual Meeting of the Southern Rural Sociological Association (SRSA), February 5 - 9, 2016 in San Antonio, Texas.
- Karki, L. B., N. Baharanyi, U. Karki, and A. Agbogun. 2016. Developing Young Entrepreneurs in Agribusiness: Challenges and Opportunities. 47th Annual Meeting of the Southern Rural Sociological Association (SRSA), February 5 - 9, 2016 in San Antonio, Texas.
- Khatri, R., U. Karki, Y. Karki, N. Gurung, and B. Min. 2016. Composition and quality assessment of the woodland browse species and goats’ performance study under woodland. American Society of Animal Science – Southern Section Meeting, Feb. 6-9, San Antonio, Texas (United States). (*Abstract and oral presentation*).
- Karki, U., J. Idassi, S. R. Mentreddy, N. Gurung, C. Christian, G. Boyd, O. Onokpise, L. Karki, Y. Diabate, and S. Bambo. 2016. Agroforestry education: key to sustainable land management and diversified income. Southern Sustainable Agriculture Working Group (SSAWG) Conference, Jan. 27-30, Lexington, KY. (*Abstract and poster presentation*)
- Karki, U., S. Bambo, N. Gurung, L. Karki, B. Min, E. Jolley, A. Kumi, A. Elliott1, and J Moore. 2016. Sustainable livestock production through year-round forage production and grazing management. Southern Sustainable Agriculture Working Group (SSAWG) Conference, Jan. 27-30, Lexington, KY. (*Abstract and poster presentation*)
- Tillman, A., U. Karki, R. Khatri, Y. Karki, A. Kumi, and L. Karki. 2015. Performance of selected browse species planted in the field condition. The 73rd Professional Agricultural Workers Conference, Dec. 6-8, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and poster presentation*).
- Khatri, R., U. Karki, J. Bettis, and Y. Karki. 2015. Woodland plant-species composition before and after grazing with goats. The 73rd Professional Agricultural Workers Conference, Dec. 6-8, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and oral presentation*).
- Karki, U. 2015. Agroforestry research and extension education program at Tuskegee University. The 73rd Professional Agricultural Workers Conference, Dec. 6-8, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and oral presentation*).
- Karki, L. B., U. Karki, and N. Baharanyi. 2015. The socio-economic impact of a good agricultural practice to feed the future. The 73rd Professional Agricultural Workers Conference, Dec. 6-8, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and oral presentation*).
- Karki, Y., U. Karki, and R. Khatri. 2015. Debarking behavior of Kiko goats on fairly-grown southern-pine trees. The 73rd Professional Agricultural Workers Conference, Dec. 6-8,

- Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and poster presentation*).
- Karki, L. B., N. Baharanyi, U. Karki, and Y. Diabate. 2015. Training needs for limited resource families on personal finance management. 2015 AFCPe® Annual research & Training Symposium Program, November 18-20, Jacksonville, FL. (*Abstract and poster presentation*)
- Karki, U., J. Idassi, S. R. Mentreddy, N. Gurung, C. Christian, G. Boyd, O. Onokpise, L. Karki, Y. Diabate, and S. Bambo. 2015. Trainers' training in agroforestry practices in the Southeastern Region: 1890 Agroforestry Consortium initiative. 14th North American Agroforestry Conference. June 1-3, Ames, Iowa. (*Abstract and poster presentation*)
- Khatri, R., U. Karki, J. Byrd, A. Kumi, L. Karki, and B. Min. 2015. Performance of selected browse species in the greenhouse. 2015 ASA (Agronomy Society of America) Southern Section Meeting, January 31 - February 3, Atlanta, Georgia. (*Abstract and poster presentation*)
- Karki, U., D. Jenkins, N. Gurung, W. McElhenney, and A. Kumi. 2015. Grazing/browsing behavior and distribution patterns of meat goats confined in small plots. 2015 ASAS (American Society of Animal Science) Southern Section Meeting, January 31 - February 3, Atlanta, Georgia. (*Abstract and oral presentation*)
- Karki, U. 2014. Integrating research, education and multistate approach to the Tuskegee University Cooperative Extension Program. 2014 Success Stories. The Professional Agricultural Workers Conference, Dec. 7-9, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Oral presentation*)
- Karki, U. 2014. Educational materials and programs on sustainable livestock production. The Professional Agricultural Workers Conference, Dec. 7-9, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and oral presentation*)
- Khatri, R., U. Karki, J. Byrd, A. Kumi, L. Karki, and B. Min. 2014. Initial growth and performance of selected browse species. The Professional Agricultural Workers Conference, Dec. 7-9, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and poster presentation*)
- Byrd, J., U. Karki, R. Khatri, A. Kumi, A. Elliott, and N. Gurung. 2014. Soil quality and tree parameters in a newly developed silvopasture system. The Professional Agricultural Workers Conference, Dec. 7-9, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and poster presentation*)
- Karki, U., L. Karki, N. Gurung, R. Lemus, S. Hart, K. Cearley, S. Enloe, E. Jolley, and M. Edmonson. 2014. Sustainable year-round forage production and grazing/browsing management education program. The American Dairy Science Association® (ADSA®), the American Society of Animal Science (ASAS), and the Canadian Society of Animal Science (CSAS) Joint Annual Meeting, Kansas City, Missouri, July 20–24. (*Abstract and poster presentation*)
- Karki, U., L.B. Karki, N.K. Gurung, and A. Elliott. 2014. Suitable Winter Forages for Goats: Productivity, Quality, and Goats' Preference. American Society of Animal Science – Southern Section Meeting, Feb. 1-4, Dallas, Texas (United States). (*Abstract and oral presentation*).
- Karki, U., L. B. Karki, N. Gurung, and A. Elliott. 2014. Winter forages for sustainable goat production. American Forage and Grassland Council Conference, Jan. 12-14, Memphis, TN. (*Abstract and oral presentation*).

- Karki, L. B. and U. Karki. 2013. Winter forage program promotes the sustainability of goat farming. The Professional Agricultural Workers Conference, Dec. 8-10, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract and oral presentation*)
- Reese, R., U. Karki, J. Moore, and A. Elliott. 2013. Year-round pasture production and grazing management: education and farm improvement. The Professional Agricultural Workers Conference, Dec. 8-10, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, proceedings paper, and poster presentation*)
- Karki, U. 2013. Year-Round Pastures for Goats: Sharing Project Experiences and Outcomes. The second National Goat Conference, September 15-19, Sheraton Greensboro Hotel, Greensboro, North Carolina. (*Abstract and poster presentation*)
- Karki, U. and M.S. Goodman. 2013. Microclimatic diversity between mature loblolly-pine silvopasture and open pasture. 17th Biennial Research Symposium, Association of Research Directors, Inc., April 6-10, Hyatt Regency Jacksonville Riverfront, Jacksonville, Florida. (*Abstract and oral presentation*)
- Dynamics of understory plant composition in pine silvopasture with different stocking rates of meat goats, 2013. (Other detail will be added later).
- Quality, productivity, and goats' preference for different forages adapted in Alabama, 2013 (Other detail will be added later)
- Prince-Davis, A*. U. Karki, R. Reese, C. Wrights, N. Gurung. 2012. Show perception of youth and their parents participating in the Tuskegee University goat show. The Professional Agricultural Workers Conference, Dec. 2-4, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*)
- Reese, R.*, U. Karki, N. Gurung, J. Moore, A. Elliott. 2012. Impact of year-round pasture production and grazing management program. The Professional Agricultural Workers Conference, Dec. 2-4, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*)
- Karki, U*, N. Gurung, and A. Elliott. 2012. Winter forages for goats for developing year-round grazing system. The Professional Agricultural Workers Conference, Dec. 2-4, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, oral presentation, proceedings paper*)
- Howard, I.*, A.S. Kumi, N.K. Gurung, U. Karki, R. Smith, S.G. Solaiman, W.H. McElhenney, and B.R. Min. 2012. Impact of different stocking rates of meat goats under pine silvopasture systems on understory biomass, crown cover density, and animal productivity. American Society of Animal Science - ADSA-ASAS 2012 Joint Annual Meeting, Jul 15-19, Phoenix, Arizona (United States). (*Abstract and poster presentation*).
- Karki, U*, N.K. Gurung, A. Elliott, and J. Moore. 2012. Working with small farmers for promoting sustainable livestock production system. 6th National Small Farm Conference "Promoting the Successes of Small Farmers and Ranchers", September 18-20, Tennessee State University, Memphis, Tennessee. (*Abstract, oral presentation, and proceedings paper*).
- Karki, U.*, L. B. Karki, N. K. Gurung, and A. Elliott. 2012. Sustainable goat farming: pasture enhancement and identification of suitable forages for goats. American Society of Animal Science - ADSA-ASAS 2012 Joint Annual Meeting, Jul 15-19, Phoenix, Arizona (United States). (*Abstract and oral presentation*).

- Karki, U*, N.K. Gurung, J. Moore, and A. Elliott. 2012. Year-round pasture production and grazing/browsing management: A package program for limited resource livestock producers. Extension Administrators' System-wide Conference, June 24-28, Memphis, Tennessee. (*Abstract and poster presentation*)
- Karki, U., N.K. Gurung*, A. Elliott, L.B. Karki, and O. Bolden-Tiller. 2011. Current Situation and Further Training Needs: A Case of Master Goat Producers. American Society of Animal Science - ADSA-ASAS 2011 Joint Annual Meeting, Jul 10-14, 2011, New Orleans, LA (United States). (*Abstract and poster presentation*). Journal of Animal Science, Volume 89, E-Supplement 1, Extension Page 43. Available at: <http://www.jtmtg.org/JAM/2011/abstracts/0040.PDF>
- Karki, U.*, M.S. Goodman, and S.E. Sladden. 2011. Plant-community characteristics of bahiagrass pasture during conversion to longleaf-pine silvopasture. The 12th North American Agroforestry Conference, June 4-9, 2011, The Georgia Center, Athens, GA. (*Abstract and Oral Presentation*)
- Karki, U.*, M.S. Goodman. 2011. Microclimatic differences between young longleaf-pine silvopasture and open-pasture. The 12th North American Agroforestry Conference, June 4-9, 2011, The Georgia Center, Athens, GA. (*Abstract and Oral Presentation*)
- Karki, U.*, N. Baharanyi, D. Moxey, A. Elliott, J. Moore, A. Jackson, and W. Baldwin. 2011. Extension education and research needs of livestock farmers in Alabama. 16th Biennial Research Symposium, Association of Research Directors, Inc., April 9-13, Atlanta Marriott Marquis, Atlanta, Georgia. (*Abstract and poster presentation*)
- Karki, U.*, N. Gurung, and N. Baharanyi. 2010. Short-term impact and evaluation of Tuskegee University extension education programs. The Professional Agricultural Workers Conference, Dec. 5-7, Kellogg Conference Center, Tuskegee University, Tuskegee, AL 36088. (*Abstract, poster presentation, proceedings paper*)
- Karki, U.*, I. Williams, J.T.B. Milton, L. McCann. 2010. Brief pre-partum supplementation increased colostrum production in maiden cashmere does. National Goat Conference, September 12-15. Florida A&M University, Tallahassee, FL (*Abstract and poster presentation*).

Award-Winning Conference Presentations: Graduate-Student Competitions (Advisees)

13 Awards

- Bhattra, S., U. Karki, and S. Poudel. 2017. Diurnal behavior and distribution pattern of Kiko wethers and Katahdin rams in woodlands. The 75th Professional Agricultural Workers Conference, December 3-5, Kellogg Hotel & Conference Center, Tuskegee University and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and poster presentation; won first place in graduate student poster competition*)
- Bhattra, S., U. Karki, S. Poudel, B. Paneru, and W. McElhenney. 2018. Cutting non-target vegetation improved solar radiation influx and biomass production in woodlands. The 76th Professional Agricultural Workers Conference, December 2-4, Kellogg Hotel & Conference Center, Tuskegee University and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation; won second place in graduate student oral competition*)
- Ellis, N., U. Karki, and B. Paneru. 2019. Utilization pattern of woodland vegetation by hair sheep. The 77th Professional Agricultural Workers Conference, December 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and oral presentation; won third place in graduate student oral competition*)

- Ellis, N., U. Karki, S. Bhattarai, and B. Paneru. 2018. Effectiveness of different methods for minimizing *Haemonchus contortus* infestation in small ruminants – a meta-analysis. The 76th Professional Agricultural Workers Conference, December 2-4, Kellogg Hotel & Conference Center, Tuskegee University and Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and poster presentation; won first place in graduate student poster competition*)
- Norwood, K., U. Karki, J. Johnson, and A. Tiwari. 2021. Health and performance of small ruminants raised by Alabama farmers in fall and winter seasons. The 4th National Goat Conference, September 20-21, Virtual. (*Abstract and poster presentation; won third place in graduate student poster competition*)
- Paneru, B., U. Karki, N. Ellis, and S. Bhattarai. 2019. Management strategies for efficient utilization of woodland resources integrating small ruminants. The 77th Professional Agricultural Workers Conference, December 8-10, Auburn Marriott Opelika Hotel & Conference Center at Grand National. (*Abstract and poster presentation; won first place in graduate student poster competition*)
- Paneru, B., U. Karki, S. Bhattarai, and N. Ellis. 2019. Growth period of different browse species suitable for grazing small ruminants. Joint Annual Research Symposium, March 22, Auditorium and Ballroom, Tompkins Hall, Tuskegee University. (*Abstract and poster presentation; won third place in graduate student poster competition*)
- Paneru, B., U. Karki, S. Bhattarai, N. Ellis, and P. K. Biswas. 2019. Availability of the browse vegetation during the fall season for grazing small ruminants. The 19th Biennial Research Symposium, Association of Research Directors, March 30–April 3, Hyatt Regency Jacksonville, FL. (*Abstract and poster presentation; won third place in graduate student poster competition*)
- Poudel, S., U. Karki, Y. Karki, and A. Tillman. 2018. Diurnal behavior of Kiko wethers grazing southern-pine silvopasture with warm-season forages. Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-27, Oklahoma City, OK. (*Abstract and poster presentation; won first place in graduate student poster competition*)
- Shrestha, B., U. Karki, A. Tiwari, and S. Chaudhary. 2021. Prevalence of gastrointestinal parasites in lactating Kiko does and their kids in woodlands with supplements. The 79th Professional Agricultural Workers Conference, December 5-7, Tuskegee University, Virtual. (*Abstract and poster presentation; won first place in graduate student poster competition*)
- Tillman, A., U. Karki, R. Khatri, Y. Karki, A. Kumi, and L. Karki. 2016. Preference of Kiko goats for selected browse species. The 74th Professional Agricultural Workers Conference, December 4-6, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL. (*Abstract and poster presentation; won first place in Gamma Sigma Delta graduate student poster competition*)
- Tiwari, A., U. Karki, K. Norwood, J. Johnson, and L. Karki. 2021. Legume addition to grass pastures minimized the nutrient loss of Kiko goats into their feces. The 4th National Goat Conference, September 20-21, Virtual. (*Abstract and poster presentation; won second place in graduate student poster competition*)
- White, E., U. Karki, S. Lamsal, D. Dhakal, and A. Acharya. 2024. Effect of Livamol with BioWorma on hematological parameters in Kiko does during late pregnancy and early lactation. The 82nd Professional Agricultural Workers Conference, Nov. 17-19,

Renaissance Montgomery Hotel & Spa at the Convention Center, Montgomery, AL.
(Abstract and oral presentation; won first place in graduate student oral competition).

Extension/Outreach Leadership and Service

International training conducted

- Karki, U. 2024. Trainers' Training on Climate-Smart Agricultural Practices, TU-AFU Project, June 20-21, Agriculture and Forestry University, Rampur Campus, Rampur Chitwan, Nepal. Developed training contents, PowerPoint slides and other training materials, handouts, provided training to the faculty of agriculture, and performed the evaluation.
- Karki, U. 2024. Trainers' Training on Agroforestry Practices, TU-AFU Project, June 24-25, Agriculture and Forestry University, Hetauda Campus, Hetauda, Makwanpur, Nepal. Developed training contents, PowerPoint slides and other training materials, handouts, conducted training provided training to the faculty of forestry, and performed the evaluation.
- Karki, U. 2024. Farmer's training conducted on the use of FAMACHA & Smart Drenching to Control Barber Pole Worm for small ruminant producers and community leaders in Santa Rosa, Costa Rica, February 25, 2024.
- Karki, U. 2024. Farmer's training conducted on Small Ruminants: Production Basics for small ruminant producers and community leaders in Santa Rosa, Costa Rica, February 25, 2024

National/local training sessions

- Bambo, S. and U. Karki. 2016. Sustainable Livestock Production Training, April 5, Federation of Southern Cooperatives, Rural Training and Research Center, Epes, AL.
- Karki, U. 2009-Present. Coordinator and resource person. Master Goat Producer's Certification Training Program, Tuskegee University, Tuskegee, AL.
- Karki, U. 2010. Lead coordinator and resource person, Integrated Management of Internal Parasites in Goats Training, March 20, Federation of Southern Cooperatives, Epes, AL.
- Karki, U. 2010. Lead coordinator and resource person, Silvopasture Workshop, May 22, Macon County Commission Chamber, 205 N Main Street, Tuskegee, AL.
- Karki, U. 2010. Lead coordinator and resource person, Year-round Pasture Production and Management Training, July 24, 434 County Road 59, Union Springs, AL.
- Karki, U. 2011. Lead coordinator and resource person, Integrated Management of Internal Parasites in Goats Field Day, April 26, Camden, AL.
- Karki, U. 2011. Lead coordinator and resource person, Pasture-Weed Identification and Management Training for field Extension Staff and Livestock Producers, March 25, Union Springs, AL.
- Karki, U. 2011. Lead coordinator and resource person, Silvopasture Workshop, June 15, Macon County Commission Chamber, 205 N Main Street, Tuskegee, AL.
- Karki, U. 2011. Lead coordinator and resource person, Year-round Pasture Production and Management Workshop, July 29, Union Springs, AL.

- Karki, U. 2012. Lead coordinator and resource person, Agroforestry/Silvopasture Workshop, May 17, Macon County Commission Chamber, 205 N Main Street, Tuskegee, AL.
- Karki, U. 2012. Lead coordinator and resource person, Year-Round Pasture Production and Management Field Day, March 24, Central Alabama Farmers Cooperatives, Selma, AL.
- Karki, U. 2012. Lead coordinator and resource person, Year-Round Pasture Production and Management Field Day, April 7, 508 14th Street, Russell County Extension Office, Phenix City, AL.
- Karki, U. 2013. Lead coordinator and resource person, Sustainable Livestock Production System with Beef Cattle Focus Field Day, June 27, Union Springs, AL.
- Karki, U. 2013. Lead coordinator and resource person, Training for Sustainable Year-Round Forage Production and Grazing/Browsing Management in the Southern Region, March 26-28, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.
- Karki, U. 2013. Lead coordinator and resource person, Training on Preparing and Showing Meat Goats for Alabama Youths and their Coordinators. Caprine Research and Education Unit, Tuskegee University, Tuskegee, and different counties in Alabama (Need-based training conducted throughout the year).
- Karki, U. 2013. Lead coordinator and resource person, Year-Round Forage Production and Sustainable Grazing Management Field Day, June 8, Selma, AL.
- Karki, U. 2013. Session coordinator and resource person, Workshop on Small Herd Health Management Issues, the 121st Annual Farmers Conference, February 21-22, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL.
- Karki, U. 2014. Lead coordinator and resource person. Health and Parasite Management in Small Ruminants Training, May 31, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.
- Karki, U. 2014. Lead coordinator and resource person. Pasture Walk, March 29, Union Springs, AL.
- Karki, U. 2014. Lead coordinator and resource person. Silvopasture and Goat-Herd Management Field Day, March 1, Plantersville, AL.
- Karki, U. 2014. Lead coordinator and resource person. Sustainable Year-Round Forage Production and Grazing/Browsing Management Training, March 25-26, Caprine Research and Education Unit Tuskegee University, Tuskegee, AL.
- Karki, U. 2014. Lead coordinator and resource person. Year-round Pasture, Sustainable Grazing, and Goat Herd Management Field Day, April 5, 36 County Road 40, Eufaula, AL.
- Karki, U. 2014. Lead coordinator, resource person, and PI. Trainers' Training in Agroforestry Practices in the Southeastern Region, October 28-29, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.
- Karki, U. 2014. PI. Training women trainers in agroforestry practices in the Southeastern Region, event conducted in collaboration with NC A&T State University, November 20-21, Raleigh, NC.
- Karki, U. 2015. Coordinator. eXtension Goat Industry: Presentation and Q & A Session with Goat Experts Meeting, the 123rd Annual Farmers Conference, February 19, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL.
- Karki, U. 2015. Lead coordinator and resource person. Pasture, Grazing, and Goat Field Day. May 2, Selma, AL.

- Karki, U. 2015. Lead coordinator and resource person. Pasture, Grazing, and Goat Field Day. April 11, Eufaula, AL.
- Karki, U. 2015. Lead coordinator and resource person. Pasture-Based Beef Cattle Operation and Pasture Walk Workshop. March 21, Union Springs, AL.
- Karki, U. 2015. Lead coordinator and resource person. Sustainable Year-Round Forage Production and Grazing/Browsing Management Training, March 17, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility, Tuskegee University, Tuskegee, AL.
- Karki, U. 2015. Lead coordinator and resource person. Sustainable Livestock Production Workshop, Event conducted in collaboration with the Alabama State Association of Cooperatives, March 12, the Federation of Southern Cooperatives/Land Assistance Fund, Rural Training and Research Center, 575 Federation Road, Epes, AL.
- Karki, U. 2016. Lead coordinator and resource person. Integrated Approach for Managing Disease and Parasites in Small Ruminants Training, October 28. Tuskegee University, Tuskegee, AL.
- Karki, U. 2016. Lead coordinator and resource person. Making Small-Scale Livestock Operations Sustainable through Improvement and Diversification Workshop, the 125th Annual Farmers Conference, February 16, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL.
- Karki, U. 2016. Lead coordinator and resource person. Pasture Improvement and Grazing Management Workshop, the 124th Annual Farmers Conference, February 16, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL.
- Karki, U. 2016. Lead coordinator and resource person. Silvopasture and Goat-Herd Management Field Day, September 10, Plantersville, AL.
- Karki, U. 2016. Lead coordinator and resource person. Sustainable Year-Round Forage Production and Grazing/Browsing Management Training, March 31, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility, Tuskegee University, Tuskegee, AL.
- Karki, U. 2016. Lead coordinator and resource person. Training on Sustainable Agroforestry Practices, September 30, Tuskegee University, Tuskegee, AL.
- Karki, U. 2016. Lead coordinator and resource person. Year-round Forage Production, Sustainable Grazing Management, and Care of Goat Herd Field Day, April 9, Eufaula, AL.
- Karki, U. 2016. Lead coordinator and resource person. Year-round Forage Production, Sustainable Grazing Management, and Care of Goat Herd Field Day, April 30, Selma, AL.
- Karki, U. 2017. Lead coordinator and resource person. Integrated Approach for Managing Disease and Parasites in Small Ruminants Training, July 26. Tuskegee University, Tuskegee, AL.
- Karki, U. 2017. Lead coordinator and resource person. Pasture Walk, April 22, Union Springs, AL.
- Karki, U. 2017. Lead coordinator and resource person. Silvopasture and Goat-Herd Management Field Day, June 9, Plantersville, AL.
- Karki, U. 2017. Lead coordinator and resource person. Sustainable Pasture-Based Livestock Production and Beekeeping Field Day, April 29, Selma, AL.

- Karki, U. 2017. Lead coordinator and resource person. Training on Sustainable Year-Round Forage Production and Grazing/Browsing Management for Saving Production Costs, March 31, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility, Tuskegee University, Tuskegee, AL.
- Karki, U. 2017. Lead coordinator and resource person. Training on Sustainable Agroforestry Practices, September 22, Tuskegee University, Tuskegee, AL.
- Karki, U. 2018. Lead coordinator and resource person. Silvopasture and Goat-Herd Management Field Day, May 19, Plantersville, AL.
- Karki, U. 2018. Lead coordinator and resource person. Training on Integrated Approach for Preventing Diseases and Parasites in Small Ruminants, September 28, Tuskegee University, Tuskegee, AL.
- Karki, U. 2018. Lead coordinator and resource person. Training on Healthy Soil for Healthy Pastures, March 28, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility, Tuskegee University, Tuskegee, AL.
- Karki, U. 2018. Lead coordinator and resource person. Use of agroforestry to benefit farmers and landowners in the Southeast Workshop, Agroforestry & SPARK Session, the 126th Annual Farmers Conference, February 15, Kellogg Hotel & Conference Center, Tuskegee University, Tuskegee, AL.
- Karki, U. 2019. Basic Health Care of Goats under Different Grazing Systems, Lowndes County Small Farm Field Day, June 20, Hayneville, AL.
- Karki, U. 2019. Lead coordinator and resource person. Agroforestry and Woodland Grazing: Potential Benefits and Applications Workshop, the 127th Annual Farmers Conference, February 21, Double-Tree Hotel, 120 Madison Avenue, Montgomery, AL.
- Karki, U. 2019. Lead coordinator and resource person. Integrated Approach for Preventing Diseases and Parasites in Small Ruminants Training, September 20, Tuskegee University, Tuskegee, AL.
- Karki, U. 2019. Lead coordinator and resource person. Sustainable Year-Round Forage Production and Grazing/Browsing Management: Legumes for Improving Pasture Productivity, Quality, and Animal Performance, March 29, 102 Mary Starke Harper Hall & CAENS Research and Demonstration Facility, Tuskegee University, Tuskegee, AL.
- Karki, U. 2020. Lead coordinator and resource person. Leguminous Forages & Browse for Animal Health & Performance Session. The 128th Annual Farmers Conference, February 20, Double-Tree Hotel, 120 Madison Avenue, Montgomery, AL.
- Karki, U. 2021. Lead coordinator and resource person. Agroforestry in the Southeast for Sustainable Land-Use and Resilient Production System, monthly virtual training series in collaboration with 1890 Agroforestry Consortium Partners, May 27-July 15.
- Karki, U. 2021. Lead coordinator and resource person. Sustainable Year-Round Forage Production & Grazing/Browsing Management, fortnightly virtual training series, May 6-July 8.
- Karki, U. 2021. Lead coordinator and resource person. Understanding and Enhancing Soil Health in Pastures/Grazing Lands, weekly virtual training series, March 4-25.
- Karki, U. 2022. Lead coordinator and resource person, Trainers' Training on the Integrated Approach for Preventing Diseases and Parasites in Small Ruminants in the Southeast USA, conducted in collaboration with experts from Fort Valley University, USDA/ARS, Langston University, and Washington State University, November 9-11, Caprine

Research and Education Unit, George Washington Carver Agricultural Experiment Station, Tuskegee University, Tuskegee, AL.

Karki, U. 2023. Lead coordinator and resource person, Integrated Approach for Preventing Diseases and Parasites in Small Ruminants June 23, Caprine Research and Education Unit, George Washington Carver Agricultural Experiment Station, Tuskegee University, Tuskegee, AL.

Karki, U. 2024. Lead coordinator and resource person, Information Session on Climate-Smart Practices for Alabama Farmers and Educators, four virtual sessions conducted in collaboration with Drs. Srinivasa R. Mentreddy and Colmore Christian from Alabama A & M University, February 1, 8, 15, and 29.

Karki, U. 2025. Lead coordinator and resource person, Climate-Smart Project: Producer Orientation Training, March 22, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.

Karki, U. 2025. Lead coordinator and resource person – conducted one-day Strategy Workshop for Marketing Meat Goats & Goat Products in the southeast USA in collaboration with project Partners Dr. Dahlia O'Brien from Virginia State University and Angela McKenzie-Jakes from Florida A&M University, August 29, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.

Karki, U. 2026. Lead coordinator and resource person, Preventing gastrointestinal parasites in small ruminants & FAMACHA certification training, June 12, Caprine Research and Education Unit, Tuskegee University, Tuskegee, AL.

Karki, U., and S. Sharma. 2026. Designed and conducted virtual information sessions for farmers, landowners, educators, Extension professionals, and all interested from the 6 Southeast States (MS, AL, GA, SC, NC, TN) in the AMP Agroforestry project – June 24 – informed them about project, selected agroforestry practices, application process, and related details.

Program Developer, Lead, and Resource Person (2009-Present)

- Sustainable Year-Round Forage Production and Grazing/Browsing Management
- Sustainable Agroforestry Practices
- Integrated Approach for Preventing Diseases and Parasites in Small Ruminants

Educational and Technical Presentations with Handouts

- More than 160 presentations delivered at various meetings, training sessions, field days, and other educational events, and handouts provided. (*Details will be made available if needed*)

Outreach through the Internet and Social Media

- Facebook page: <https://www.facebook.com/livestock.tuextension>
 - Agroforestry page: <https://www.facebook.com/Agroforestry-1108820235873147/>
 - Livestock page: <https://www.facebook.com/TULivestock/>
- Livestock Communication Blog: <http://drkarkiu.blogspot.com/>
- Twitter: <https://twitter.com/@karkiu>

Teaching

Courses Taught

- APSC 0407 Immunology and Farm Animal Diseases, 2009-present
- APSC 0630 Special Problems in Animal Science 2013-present
- AGSC 0699 Nonthesis Graduate Project 2014-present
- APSC 0700 Research in Animal Science 2013-present

Student Advising

- Served as an academic advisor for 60-100 undergraduate students (per year) enrolled in the Animal and Poultry Science Program.
- Served as a major advisor for 3-5 graduate students each year.
- Served as a graduate committee member for students as requested.

Served as the Major Advisor for Graduate Students (Thesis Option): Award-Winning Advisees

10 Thesis advisees

- White, E. 2025. Evaluating the effect of BioWorma in controlling gastrointestinal nematodes in does during late pregnancy and early lactation. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Bhatrai, S. 2019. Evaluating the use of small ruminants in woodlands: behavior, performance, and ecosystem impacts. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
(*Departmental outstanding graduate student in 2019, and departmental outstanding thesis in 2020*)
- Chaudhary, S. 2023. Performance of nursing ewes and lambs, and immune response of nursing ewes to the natural challenge of gastrointestinal parasites while grazing in woodlands with different supplements. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Dhakal, D. 2024. Efficacy of Livamol with BioWorma for controlling gastrointestinal nematodes in nursing Kiko does and kids raised on pastures. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Khatri, R. 2016. Use of woodlands and browse as complementary to the year-round grazing for goats. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL. (*Departmental outstanding graduate student in 2016, and departmental outstanding thesis in 2017*)
- Lamsal, S. 2024. Effect of indoor and outdoor rearing of pregnant does and ewes on performance, GI parasite prevalence, blood profile, immune response, and stress during

winter. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.

- Paneru, B. 2020. Performance, behavior, vegetation preference, and landscape-use pattern of Kiko wethers and Katahdin rams co-stocked in woodlands. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL. (*Departmental outstanding master's student in 2020*)
- Poudel, S. 2018. Grazing behavior and distribution pattern of Kiko wethers and Katahdin rams in southern pine silvopastures. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL. (*Departmental outstanding graduate student in 2018, and departmental outstanding thesis in 2019*)
- Shrestha, B. 2022. Identifying a viable strategy for supplementing lactating Kiko does and kids when stocked in woodlands for desirable performance and health status. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Tiwari, A. 2021. Use of leguminous forages to promote the health and performance of small ruminants. Thesis, Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.

Served as the Major Advisor for Graduate Students (Non-Thesis Option)

3 Non-thesis advisees

- Johnson, J. L. 2021. Load of gastrointestinal parasites in small ruminants with or without leguminous forages during the fall season. Non-Thesis Report for Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Norwood, K. C. 2021. Health and performance of small ruminants raised by farmers in different seasons. Non-Thesis Report for Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.
- Tillman, A. R. 2017. Preference of Kiko goats for selected browse species. Non-Thesis Report for Master of Science in Animal and Poultry Sciences, Department of Agricultural and Environmental Sciences, College of Agriculture, Environment and Nutrition Sciences, Tuskegee University, Tuskegee, AL.

Service to the University, College, and Departmental Committees & Representation

- Chair, Southern Region Program Leadership Committee (PLC), August 2023 – August 2024.
- Representing the university in the Southern Region Program Leadership Network (PLN), Agriculture and Natural Resources (ANR) Committee, 2013-present.

- Representing the university in the Multistate Research Coordinating Committee and Information Exchange Group SCC81: Sustainable Small Ruminant Production in the Southeastern U.S., 2017-present.
- Chair, Outstanding Graduate Student and Outstanding Thesis/Dissertation Recognition Committee, Department of Agricultural and Environmental Sciences (DAES), Tuskegee University, 2014-2020.
- Member, Outstanding Graduate Student Recognition Committee, Department of Agricultural and Environmental Sciences (DAES), Tuskegee University, 2013-2014.

Professional and Honor Society Membership

- 1890 Agroforestry Consortium
- American Registry of Professional Animal Scientists
- American Society of Animal Science
- Association for Temperate Agroforestry
- Association of Nepalese Agricultural Professionals of Americas
- Gamma Sigma Delta, the Honor Society of Agriculture
- National Goat Consortium

Leadership and Service to Professional Societies and Committees

- Chair, Proceedings Committee, 3rd National Goat Conference 2016-2018
- Chair, Small Ruminant Committee for 2015 American Society of Animal Science (ASAS) conference
- Chair, Small Ruminant Committee for 2017 ASAS Annual Conference
- Member, 1890 Agroforestry Consortium, 2011-2014
- Member, 1890 Consortium for Goats, 2017-present
- Member, Executive Committee, Association for Temperate Agroforestry, 2015-2017
- Member, Executive Committee, Nepalese Agricultural Professionals of Americas (NAPA), 2020-2022 and 2022-2024
- President, Executive Committee, Nepalese Agricultural Professionals of Americas (NAPA), 2026-2028
- Vice president, Executive Committee, Nepalese Agricultural Professionals of Americas (NAPA), 2024-2026
- Member, eXtension Goat Industry Leadership Team, 2009-2018
- Member, Small Ruminant Committee for 2014 ASAS conference
- President, Association for Temperate Agroforestry, 2019-2021
- President-Elect and Agroforester Newsletter Committee Chair, Association for Temperate Agroforestry, 2017-2019

Karki, U.

- Vice-President, 1890 Agroforestry Consortium, 2014-present