

Short CV

Uma Karki, Ph.D.

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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
Bachelor of Veterinary Science and Animal Husbandry, Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Nepal, 1994
Bachelor of Science in Animal Science, Tribhuvan University, IAAS, Nepal, 1992

Professional Experience

Research-Extension Professor and State Extension Livestock Specialist July 2019-Present, Tuskegee University
Associate Professor and State Extension Livestock Specialist June 2014- June 2019, Tuskegee University
Assistant Professor and State Extension Livestock Specialist 2009-May 2014, Tuskegee University
Graduate Research Assistant 2005-2008, Dept. of Agronomy and Soils, Auburn University
Livestock Development Officer 1993-2005, Ministry of Agriculture and Cooperatives, Nepal

Excellence Awards

Early Career Award, Association for Temperate Agroforestry, 2017 for extraordinary early career accomplishments at the highest levels of professional practice and leadership, USA
2015 1890 Excellence in Extension Award, Association of Extension Administrators, 1890 Cooperative Extension System, USA
Tuskegee University Outstanding Faculty Performance Award for Service, College of Agriculture, Environment and Nutrition Sciences, 2012-2013 Academic Year

Recent Grant Projects

PI, Integrated Approach for Managing Diseases and Parasites in Small Ruminants in the Southeast. 2018-2021. USDA NIFA Capacity Building Grant, \$600,000.00.
Co-PI, Experiential learning in the animal sciences: preconditioning of beef calves. 2017-2020, USDA/NIFA Capacity Building Grant, \$299,790.00
Co-PI, Development of a forest management system to enhance ecosystem restoration and management for limited resource landowners. 2016-2019, USDA/NIFA Capacity Building Grant, \$599,999.00
PI, Agroforestry-based cropping systems for sustaining small and medium-sized landowners in the southeastern US. 2015-2020, USDA/NIFA Agriculture and Food Research Initiative (AFRI), \$480,000.00

Teaching

APSC 0407 Immunology and Farm Animal Diseases, 2009-present

Professional/Honor Society Membership

American Society of Animal Science, American Registry of Professional Animal Scientists, National Goat Consortium, Association for Temperate Agroforestry, 1890 Agroforestry Consortium, Gamma Sigma Delta, eXtension Goat Industry, National Goat Consortium

Extension/Outreach Service

Lead and resource person: Integrated approach for preventing diseases and parasites in small ruminants, 2009-present; sustainable year-round forage production and grazing/browsing management program, 2009-present; sustainable agroforestry program, 2010-present.

Publications (*Last 2 years*)

Refereed Journal Articles

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>.

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)*, Vol. 7 (No. 1). Available at: <https://tuspubs.tuskegee.edu/pawj/vol7/iss1/7/>

Paneru, B., U. Karki, S. Bhattra, and N. Ellis. 2019. Growth period of different browse species suitable for grazing small ruminants. *Professional Agricultural Workers Journal (PAWJ)*, Vol. 7 (No. 1). Available online: <https://tuspubs.tuskegee.edu/pawj/vol7/iss1/10/>

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*, Vol. 175, June, Pages 1-6. DOI: <https://doi.org/10.1016/j.smallrumres.2019.03.005>

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*. Volume 94, 29-40 (2020). Published online February 1, 2019 DOI: 10.1007/s10457-019-00359-7 Online First.

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)*, Vol. 5, Issue 4, October, pages 37-50. Available at <http://www.eajournals.org/journals/international-journal-agricultural-extension-rural-development-studies-ijaerds/vol-5-issue-4-october-2018/>

Poudel, S., U. Karki, W. McElhenney, 94.96 842.04 reW*ñBT/F2 12 Tf1 0 0 1 187.25 330.65 Tm0 0 1 RG(e)

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