BHARAT POKHAREL

Department of Agricultural and Environmental Sciences | College of Agriculture
Tennessee State University,
3500 John M. Merritt Blvd, Nashville, TN 37209; Tel: (615) 963-6054 | Fax: (615) 963-5436
Email: bpokhare@TNState.edu | Website: www.tnstate.edu/agriculture/resumes/Bharat_Pokharel.aspx

EDUCATION

Ph.D. in Forest Science (Forest Biometrics)   **2008**

Michigan Technological University, Houghton MI 49931, USA

> *Dissertation: A Critical Evaluation of Diameter Increment Modelling in the Great Lakes Region* (Advisor: Froese)

Bachelor of Science (Forestry) with First Class Honours   **1999**

Australian National University (ANU), Canberra ACT 0200, Australia

> *Honours Thesis: Use of GIS and Modelling to Determine the Site Productivity of an Uneven-aged Forest*

PROFESSIONAL WORK EXPERIENCE

Associate Professor of Applied Statistics   **July 2019 – Present**

Department of Agricultural and Environmental Sciences, Tennessee State University, Nashville, TN 37209

Assistant Professor of Applied Statistics   **Jan 2014 – June 2019**

Department of Agricultural and Environmental Sciences, Tennessee State University, Nashville, TN 37209

Postdoctoral Fellow   **June 2009 – Dec 2013**

Department of Biology and Chemistry, Nipissing University, North Bay ON P1B 8L7, Canada (Advisor: Jeff P. Dech)

Postdoctoral Research Scientist   **Dec 2008 – May 2009**

School of Forest Resources and Environmental Sciences (SFRES), Michigan Technological University,
Houghton, MI 49931 (Advisor: **Robert E. Froese)**

Program Officer – Terai Arc Landscape Project / Project Manager / Field Officer   **1999-2004**

World Wildlife Fund (WWF), Kathmandu, Nepal

RESEARCH GRANTS

ACTIVE

Pokharel, B., J. T. Vogt, D. Jacobs, K, Randolph, S. J. Zarnoch and T. A. Schroeder. Improving trees per acre estimates of insect and disease mortality for aerial detection surveys. *Forest Health Protection Unit, USDA Forest Service, Southern Research Station,* 2015-2018, $88,500.

Pitchay, D., **B. Pokharel,** S. Rakshit, P. Illukpitiya, A. Witcher and C. Reddy. Promoting BMPs in the nursery production systems for the Mid-South United States by providing planning and technical assistance. USDA Natural Resources Conservation Service (NRCS/USDA), 2016-2020, $1,585,023.

Pokharel, B. (PI). Modeling forest site productivity using soil characteristics and stand management history. *USDA McIntire-Stennis/National Institute of Food and Agriculture*, 2017-2020, $ 21,000.

COMPLETED

Pokharel, B. (PI). Evaluating the opportunity of forest-based woody biomass in Tennessee. *USDA Evans-Allen/National Institute of Food and Agriculture*, 2014-2017, $ 21,000.

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PEER-REVIEWED PUBLICATIONS

Tetteh, E.T., J.P. de Koff, **B. Pokharel**, R. Link and C. Robbins 2019. Effect of Winter Canola Cultivar on Seed Yield, Oil, and Protein Content. Agron. J. 111: 1-10.

Bhullar, M.S., A. Patras, A. Kilonzo-Nthenge, **B. Pokharel** and M. Sasges 2019. Ultraviolet inactivation of bacteria and model viruses in coconut water using a collimated beam system. Food Science and Technology International 25(7): 562-572.

Gopisetty, V.V.S., A. Patras, B. Pendyala, A. Kilonzo-Nthenge, R. Ravi, **B. Pokharel**, L. Zhang, H. Si and M. Sasges 2019. UV-C irradiation as an alternative treatment technique: Study of its effect on microbial inactivation, cytotoxicity, and sensory properties in cranberry-flavored water. Innovative Food Science & Emerging Technologies 52: 66-74.

Bhullar, M.S., A. Patras, A. Kilanzo-Nthenge, **B. Pokharel**, S.K. Yannam, K. Rakariyathamb, C. Pan, H. Xiao and M. Sasges 2018. Microbial inactivation and cytotoxicity evaluation of UV irradiated coconut water in a novel continuous flow spiral reactor. Food Research International 103: 59-67.

Gunter-Ward, D.M., A. Patras, M. S. Bhullar, A. Kilonzo-Nthenge, **B. Pokharel** and M. Sasges 2017. Efficacy of ultraviolet (UV-C) light in reducing foodborne pathogens and model viruses in skim milk. Journal of Food Processing and Preservation. 10.1111/jfpp.13485

Silwal, D.K., N. Phambu, **B. Pokharel** and A.N. Aziz 2017. Identification of hydrated and dehydrated lipids and protein secondary structures in seeds of cotton (*Gossypium hirsutum*) lines. Pure and Applied Biology 6(3): 965-975.

Nwosisi, S., D. Nandwani and **B. Pokharel** 2017. Yield performance of organic sweetpotato cultivars in various mulches. Horticulturae 3(3): 48-57.

Chandra, S., A. Patras, **B. Pokharel**, R.R. Bansode, A. Begum and M. Sasges 2017. Patulin degradation and cytotoxicity evaluation of UV irradiated apple juice using human peripheral blood mononuclear cells. Journal of Food Process Engineering. 10.1111/jfpe.12586.

Pokharel, B.; A. Groot, D. Pitt, M. Woods and J. Dech 2016. Predictive modeling of black spruce (*Picea mariana* (Mill.) B.S.P.) wood density using stand structure variables derived from airborne lidar data in boreal forests of Ontario. Forests 7 (12): 311-327.

Islam, M.S., A. Patras, **B. Pokharel**, M.J. Vergne, M. Sasges, A. Begum, K. Rakariyatham, C. Pan and H. Xiao 2016. Effect of UV irradiation on nutritional quality and cytotoxicity of apple juice. Journal of Agricultural Food Chemistry 64: 7812-7822.

Islam, S.M.D., A. Patras, **B. Pokharel**, Y. Wu, M. J. Vergne, L. Shade, H. Xiao and M. Sasges 2016. UV-C irradiation as an alternative disinfection technique: Study of its effect on polyphenols and antioxidant activity of apple juice. Innovative Food Science and Emerging Technologies 34: 344-351.

Townshend, E., **B. Pokharel**, A. Groot, D. Pitt and J. Dech 2015. Modeling Wood Fibre Length in Black Spruce (*Picea mariana* (Mill.) BSP) Based on Ecological Land Classification. Forests 6(10): 3369-3394.
Silwal, D.K., **B. Pokharel**, N. Phambu and A.N. Aziz 2015. Fourier transform infrared (FTIR) spectroscopy based seed trait profiles of upland cotton chromosomal substitutions lines. Journal of Applied Global Research 8(21): 80-95.

Wu, Y., M. Eskin, W. Cui and **B. Pokharel** 2015. Emulsifying properties of water soluble yellow mustard mucilage: A comparative study with gum Arabic and citrus pectin. *Food Hydrolloids, 47:191-196.*

Pokharel, B., J. P. Dech, A. Groot and D. Pitt 2014. Ecosite-based predictive modeling of black spruce (*Picea mariana* (Mill.) B.S.P.) wood quality attributes in boreal Ontario. *Canadian Journal of Forest Research,* 44: 465-475.

Dech, J.P., S. Mayhew-Hammond, A.L. James and **B. Pokharel** 2014. Modeling Canada yew (*Taxus canadensis* Marsh.) distribution and abundance in the boreal forest of northeastern Ontario, Canada. *Ecological Indicators,* 36: 48-58.

Pokharel, B. and J.P. Dech 2012. Mixed-effects Basal Area Increment Models for Tree Species in the Boreal Forest of Ontario, Canada Using an Ecological Land Classification Approach to Incorporate Site Effects. *Forestry,* 85(2): 255-270.

Pokharel, B., J.P. Dech and P. Uhlig 2012. A Tool for Converting Forest Ecosystem Classifications for Permanent or Temporary Growth Plots into the New Provincial Ecological Land Classification (ELC) System in the Boreal Regions of Ontario. *The Forestry Chronicle*, 88(1): 49-59.

Pokharel, B. and J. P. Dech 2011. An Ecological Land Classification Approach to Modelling the Production of Forest Biomass. *The Forestry Chronicle,* 87(1): 23-32.

Pokharel, B. and R. E. Froese 2009. Representing Site Productivity in the Basal Area Increment Model for FVS-Ontario. *Forest Ecology and Management,* 258(5): 657-666.

Pokharel, B. and R. E. Froese 2008. Evaluating Alternative Implementations of the Lake States FVS Diameter Increment Model. *Forest Ecology and Management*, 255(5-6): 1759-1771.

BOOK CHAPTERS

Pokharel, B. and C. Reddy 2016. Forestry education in the 21st century: Educating for the forest values beyond our sights. Vaidya, K. (ed.). Forestry for the curious: Why study forestry? ISBN 978-1-925128-52-9

OTHER PUBLICATIONS

Pokharel, B., D.M. Jacobs, M.K. *Giri, J.T. Vogt, K. Randolph, S. Zarnoch and T. Schroeder 2017. Improving trees per acre estimates of insect and disease mortality for aerial detection surveys. *Forest Health Protection Unit, USDA Forest Service, Southern Research Station,* Intermediate Report, Tennessee State University

Pokharel, B.; D.M. Jacobs, M.K. *Giri, J.T. Vogt, K. Randolph, S. Zarnoch and T. Schroeder 2017. Predictive mapping of stand characteristics – Trees per Acre using a non-parametric approach. 2017 FIA Stakeholder Science Meeting – Doing More with the Core, Oct 24-26, 2017 https://www.fs.fed.us/rm/pubs_journals/rmrs/rmrs_2017_fia_stakeholders.pdf

Bhullar, M., A. Patras, A. Kilonzo-Nthenge, **B. Pokharel** and M. Sasges 2016. UV-C inactivation of bacteria and viruses in coconut water. International Association of Food Protection (IAFP) conference, July 31-Aug 3, 2016, St. Louis Missouri, USA.

Pokharel, B., D. Pitchay and C. Reddy 2015. Optimizing smart city planning that ensures ecosystem goods and services. Shrivastava, M., Suresh, S. and Shrivastava, S. (eds). 3rd International conference on environmental friendly agriculture and horticulture in planning of a smart city. Dec 12-14, 2015 Bhopal, India, p184

Reddy, C. D. Pitchay and **B. Pokharel** 2015. Green-lungs to enhance quality of living in smart cities. Shrivastava, M., Suresh, S. and Shrivastava, S. (eds). 3rd International conference on environmental friendly agriculture and horticulture in planning of a smart city. Dec 12-14, 2015 Bhopal, India, p182

Pokharel, B. and J.P. Dech 2013. Improving Volume and Value Estimates for Boreal Tree Species Using Enhanced Forest Inventory Data and Decision Support Tools. Final Technical Report. Submitted to Canadian Wood Fibre Centre, Sault Ste. Marie, ON p27

Dech, J.P., **Pokharel, B.** and M. Bowman 2012. Linking Wood Fibre Attributes to Ecological Land Classification in the Boreal Forest of Ontario. Final Technical Report. Submitted to Canadian Wood Fibre Centre, Sault Ste. Marie, ON p30

Pokharel, B. and R. E. Froese 2009. Timber Inventory Plot Design Project: Final report. Submitted to Michigan Department of Natural Resources, Lansing Michigan p22.

Pokharel, B. and R. E. Froese 2009. Timber Inventory Plot Design Project: Field manual. Submitted to Michigan Department of Natural Resources, Lansing, Michigan p31.

Pokharel, B. and R. E. Froese 2009.Timber Inventory Plot Design for Northern Hardwoods and Oak Stands in Michigan: Intermediate Report. Submitted to Michigan Department of Natural Resources, Lansing, Michigan p32.

Froese, R. E. and **B. Pokharel** 2008. An Evaluation of Increment Modelling Approaches Used in Forest Vegetation Simulator Variants and Recommendation for Application in the Great Lakes Region. Final Report Submitted to Ontario Ministry of Natural Resources, Ontario, Canada p22

Pokharel, B. and R. E. Froese 2007. Evaluating Alternative Base Functions for Modelling Diameter Increment in Ontario. Report Submitted to Ontario Ministry of Natural Resources, Ontario, Canada p79 (including appendices).

Pokharel, B. and R. E. Froese 2006. Single-tree, Aspatial Diameter Increment Models: Literature Review and Analysis. Report Submitted to Ontario Ministry of Natural Resources, Ontario, Canada p45

Pokharel, B. and R. E. Froese 2006. Validation, Evaluation or Evolution of Diameter Increment Models in The Lake States FVS Model Family: An Annotated Bibliography. School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, Michigan p15

POSTER/PAPER PRESENTATIONS

*Purucker, M., and **B. Pokharel**. 2019. Modeling site productivity using geocentric approach. 19th Biennial Research Symposium of the Association of 1890 Research Directors, March 31-April 2, 2019, Jacksonville FL (Oral -third place award).

*Purucker, M. and **B. Pokharel**. 2019.Modeling site productivity using soil characteristics. 41th Annual University-wide Research Symposium, April 1-5, 2019, Tennessee State University, Nashville TN 37209.

*Joshi, D., T. Shrestha, B. Gyawali, R. K. Deo and **B. Pokharel**. 2019. Modeling aboveground woody biomass and carbon stock using airborne LiDAR. 41th Annual University-wide Research Symposium, April 1-5, 2019, Tennessee State University, Nashville TN 37209.

Pokharel, B., D. M. Jacobs, M. K. *Giri, J.T. Vogt and T.A Schroeder 2018. Predictive mapping of stand characteristics using non-parametric approach. 2018 Joint Southern and Northeastern Mensurationists and IUFRO 4.01 Conference Oct 28-30, 2018, Blacksburg VA.

Pokharel, B., D. M. Jacobs and T.A Schroeder 2018. Extending forest inventory beyond plots. Society of American Foresters (SAF), National Convention, Oct 3-7, 2018, Portland OR.

*Purucker, M., and **B. Pokharel**. 2018. Charactering forest site using geocentric approach. 128th Meeting Tennessee Academy of Science, Nov 17, 2018, Clarksville TN (Third place award).

Pokharel, B., D. M. Jacobs and M.K. *Giri 2018. Predictive mapping of stand characteristics using non-parametric approach. Association of Nepalese Agricultural Professionals of Americas (NAPA), First Biennial Conference, May 26-27, 2018, Oklahoma City, OK.

*Giri, M.K., and **B. Pokharel**. 2018. How much forest biomass do we have in Tennessee? 40th Annual University-wide Research Symposium, April 2-6, 2018, Tennessee State University, Nashville TN 37209 (Poster - third place award).

*Purucker, M., and **B. Pokharel**. 2018. Characterizing and predicting site productivity using geocentric approach. 40th Annual University-wide Research Symposium, April 2-6, 2018, Tennessee State University, Nashville TN 37209 (Poster – first place award).

Pokharel, B., D. M. Jacobs, M.K. *Giri, and J.T. Vogt 2017. Predictive mapping of trees per acre and biomass using non-parametric approach: A case study from Tennessee. Western Mensurationists Meeting, University of British Columbia, June 19, 2017, Vancouver, BC, Canada.

Pokharel, B., D. M. Jacobs, M.K. *Giri, and J.T. Vogt 2017. Expanding field-based forest inventory using map model approach. 39th Annual University-wide Research Symposium, April 4-8, 2017, Tennessee State University, Nashville TN 37209.

*Giri, M.K., and **B. Pokharel**. 2017. Predicting spatial distribution of woody biomass across the state of Tennessee. 39th Annual University-wide Research Symposium, April 4-8, 2017, Tennessee State University, Nashville TN 37209.

*Giri, M.K., and **B. Pokharel**. 2017. Use of remote sensing and FIA for modeling aboveground forest biomass in Tennessee, USA. 18th Biennial Research Symposium of the Association of 1890 Research Directors, April 1-4, 2017, Atlanta, GA.

*Giri, M.K., and **B. Pokharel**. 2016. Use of remote sensing data to model aboveground woody biomass in Tennessee. 126th Meeting Tennessee Academy of Science, Nov 19, 2016, Clarksville TN (Third place award).

*Giri, M.K., and **B. Pokharel**. 2016. Mapping of aboveground forest biomass in Tennessee. Second International Environmental Youth Symposium, Sept 8-9, 2016, Region 4, Environmental Protection Agency (EPA), Atlanta, GA 30303 (First place award).

*Giri, M.K., and **B. Pokharel**. 2016. Use of vegetation indices to predict aboveground forest biomass in Tennessee. 38th Annual University-wide Research Symposium, April 4-8, 2016, Tennessee State University, Nashville TN 37209.

Pokharel, B., J.P. Dech, A. Groot, D. Pitt and M. Woods 2014. Mapping model of wood quality characteristics of black spruce (*Picea mariana* (Mill.) B.S.P.) in Northern Ontario. Joint Northeastern Mensurationist Organization (NEMO) and Southern Mensurationists (SOMENS) meeting, November 2-4, 2014 Raleigh, North Carolina. http://www.mensurationists.com/event/conf2014/PPT/7_ Pokharel%20et%20al.%202014%20-%20NEMO%20and%20SOMENS.pdf

Dech, J.P, **B. Pokharel**, A. Groot and D. Pitt 2013. Extending inventory capabilities through ecosite-based modelling of growth and wood quality. Use and Application of LiDAR and New Forest Technologies in Boreal Ontario, November 27, 2013, Hearst, Ontario.

Dech, J.P, **B. Pokharel**, A. Groot and D. Pitt 2013. Predictive modeling of individual tree growth and wood quality characteristics of Black Spruce (*Picea mariana*) in boreal landscapes of Ontario. North American Forest Ecology Workshop (NAFEW), June 16-20, 2013, Bloomington, Indiana.

Lajoie, C., J.P. Dech and **B. Pokharel** 2013. Reconstruction of Forest Tent Caterpillar (*Malacosoma disstria*) outbreaks and their effects on Trembling Aspen *(Populus tremuloides* Michx.) growth in relation to latitude, stand and site factors. Poster Presented at the Undergraduate Conference, March 22-23, 2012, Nipissing University, North Bay, ON.

Townshend, E., J.P. Dech, **B. Pokharel** and F. Pinto 2012. Black Ash Stand Dynamics and Potential Habitat for Flooded Jellyskin in the Great Lakes St. Lawrence Forest Region. Poster Presented at the Undergraduate Conference, March 23-24, 2012, Nipissing University, North Bay, ON.

Pokharel, B. and J.P. Dech 2011. Ecosite as a Growth and Yield Model Projection Unit in the Boreal Forest of Ontario. Poster Presented at the Canadian Institute of Forestry Annual General Meeting, Sept 18-21, 2011, Huntsville, Ontario.

Mayhew-Hammond, S., J.P. Dech, A. James and **B. Pokharel** 2011. Predictive Habitat Modeling of Canada Yew (*Taxus canadensis* Marsh) in the Boreal Forest of Northeastern Ontario. Poster Presented at the Canadian Institute of Forestry Annual General Meeting, Sept 18-21, 2011, Huntsville, Ontario.

Pokharel, B. and J.P. Dech 2011. Use of Ecological Land Classification (ELC) in Basal Area Increment Model to Improve Forest Growth and Yield Prediction in Boreal Forest of Ontario. Presented at the Western Mensurationists' Meeting, June 19-21, 2011, Banff, Alberta.

Dech, J.P., **B. Pokharel**, M. Lacey and W. Winsor 2011. Ecological Land Classification Approaches to Quantifying Site Differences in the Boreal Forest. Workshop on Linking Forest Resources Inventory and ELC for Forest Industry, May 9-10, 2011, Ontario Ministry of Natural Resources, South Porcupine, ON.

Invited Presentation: **Pokharel, B.** and J.P. Dech 2011. Use of Ecological Land Classification (ELC) to Improve Forest Growth and Yield Prediction in Boreal Forest of Ontario. Forest Ecosystem Science Cooperative Inc. Forest Growth and Yield Science Unit, April 12-13, 2011, Timmins, ON.

Mayhew-Hammond, S., J.P. Dech, A. James and **B. Pokharel** 2011. Predictive Habitat Modeling of Canada Yew (*Taxus canadensis* Marsh) in the Boreal Forest of Northeastern Ontario. Undergraduate Conference, April 2-3, 2011, Nipissing University, North Bay, ON.

Pokharel, B. and J.P. Dech 2011. Use of Ecosite and Other Landscape Level Variables to Improve Forest Growth and Yield Models, Especially with Respect to New Forest Bioproducts. Taking Stock: Inventory Options for Today and Tomorrow, January 26, 2011, Canadian Institute of Forestry, Kapuskasing, ON. http://www.forestresearch.ca/images/stories/pdf/EVENTS/Pokharel%20and%20Dech%202011.pdf

Dech, J.P., **B. Pokharel** and M. Lacey 2011. The Link Between Ecosite and Primary Productivity. Conference on Great Lakes / St. Lawrence Forest Science Seminar, February 1, 2011, The Forestry Research Partnership and Canadian Institute of Forestry, Petawawa, ON.

Dech, J.P., **B. Pokharel** and P. K. Courville 2009. Ecologically Based Bioproducts Inventory Tools for the Boreal Forest of Northeastern Ontario. Conference on Harnessing Biomass: From the Forest to the Marketplace, October 22-23, 2009, Nipissing University, North Bay, Ontario.

Pokharel, B. and R. E. Froese 2008. Why is the Performance of the Lake States Variant of FVS So Poor? Poster Presented at 6th Annual Forest and Wildlife Research Review Meeting, January 16, 2008, University of Minnesota Duluth, Minnesota.

Pokharel, B. and R. E. Froese 2007. Analysis of Diameter Growth Engines Used in FVS Variants. Poster Presented at The Third Forest Vegetation Simulator (FVS) Conference, February 13-15, 2007, USDA Forest Service, Forest Management Service Center, Fort Collins Colorado. Merit Award (Second Place).

Pokharel, B. and R. E. Froese 2006. Validation of the Diameter Increment Model of the Lake States Variant of the Forest Vegetation Simulator (LS-FVS) Using Michigan Forest Inventory and Analysis Data. Presented at the Western Mensurationists' Meeting, June 18-20, 2006, Fortuna, California.

Pokharel, B. and R. E. Froese 2006. Is the Diameter Increment Model of the Lake States Variant of FVS Unbiased? Poster Presented at Ecosystem Science Center Annual Graduate Research Forum, Michigan Technological University. Merit Award (Grand Prize, $500 and a Plaque).

Pokharel, B. and R. E. Froese 2006. Validation of Diameter Increment Model of the Lake States Variant of the Forest Vegetation Simulator Using Michigan Forest Inventory and Analysis Data. Poster Presented at 5th Annual Forest and Wildlife Research Review Meeting, January 11, 2006, University of Minnesota Duluth, MN.

ADVISING

Graduate Students – Major advisor

Giri, Man K. – MS	2015-2018
Purucker, Matthew. – MS	2018-present
Joshi, Durga. – MS	2019-present

Graduate Students – Committee member

Student Name	Year	Student Name	Year
MS Students			
Adhikari, Suraj – MS	2014-2016	*Khanal, Pramatma – MS*	2014-2016
Akerele, Gabriel – MS	2014-2017	*McGeary, Kyle – MS*	2017-2019
Alghamdi, Ahmad – MS	2014-2015	*Mukuna, Winnie – MS*	2016-present
Alsogair, Ali – MS	2014-2015	*Nazareno, Eric – MS*	2014-2016
Amadi, Eze O. – MS	2017-present	*Ogunmayowa, Oluwatosin – MS*	2014-2015
Anuo, Christopher O. – MS	2017-present	*Omosa, Oladapo – MS*	2017-present
Davenport, Sarah – MS	2015-2017	*Panth, Milan – MS*	2018-present
Dolui, Manisha – MS	2015-2017	*Parajuli, Madhav – MS*	2018-present
Gilani, Sana – MS	2014-2016	*Peter, Lynda – MS*	2018-present
Gomes, Jeronimo D. S. – MS	2015-2018	*Pigg, Alexis – MS*	2017-present
Gurung, Sunil – MS	2015-2016	*Richards, CeeDee – MS*	2016-2019
Holden, Mary – MS	2018-present	*Rouse, Allena – MS*	2016-present
Honey, Ummay – MS	2017-2019	*Sallman, Bryan – MS*	2015-2016
Horton, Laura – MS	2017-present	*Sandhu, Ravneet K. – MS*	2015-2016
Igbafe, Joy – MS	2015-2017	*Settles, Angela – MS*	2015-present
Islam, MD Shajedul – MS	2014-2016	*Sihwal, Diwas – MS*	2014-2016
Islam, Rabiul – MS	2014-2016	*Snyder, Shawn – MS*	2017-2019
Jian, Siyang – MS	2015-2016	*Witzel, Nicole – MS*	2016-present
Julakanti, Sharath – MS	2014-2016		
Lewis, Madison – MS	2016-2018	*Purdy, Rodney – Apprentice high school student*	
Ph.D. Students			
Bhandari, Devendra – Ph.D.	2015-2019	*Jian, Siyang – Ph.D.*	2016-present
Byers, Mary Shannon – Ph.D.	2015-2018	*Liu, Siqin – Ph.D.*	2017-present

Kennedy, Steven – Ph.D.	2015-present	*Newman, Brent* – *Ph.D.*	2016-present
Gurung, Sunil – Ph.D.	2017-present	*Nwosisi, Sochinwechi* – Ph.D.	2014-2017

Student Activities – Faculty advisor

Faculty Advisor for the Environmental Science Club (ESC) 2016-present

Student club that provides platform for extra-curricular activities for both undergraduate and graduate students within the college of Agriculture, Human, and Natural Sciences, Tennessee State University

COMMUNITY/SCHOLARLY INVOLVEMENT

PROFESSIONAL MEMBERSHIPS

Member, Society of American Foresters (SAF) (2015-present)

Member, Canadian Institute of Forestry (2010-present)

Life Member, Association of Nepalese Agricultural Professionals of Americas (since 2017)

Membership Coordinator, Algonquin Section of Canadian Institute of Forestry (2011-2013)

Chair, Algonquin Section of Canadian Institute of Forestry (2012-2013)

Life member, Nepal Forester's Association, Kathmandu, Nepal (since 2002)

Life member, Nepal Red Cross Society, Kathmandu, Nepal (since 2013)

Lead on **Forests without Borders** Project – "Sustainable Community Development through Trees for School Supplies Initiative in a rural region of Nepal" (Pokharel, Bharat; Clarke, Bill and Pinto Fred).

MANAGING EDITOR
Global Journal of Agriculture and Allied Sciences (GJAAS)

MANUSCRIPT REVIEWS
Forest Science, Forest Ecology and Management, Annals of Forest Science, The Forestry Chronicle, Journal of Applied Geography, Agricultural and Forest Meteorology, International Forestry Review, Forests, New Forests, Environmental Research Letters, Forestry Studies, Nature News

FACULTY SENATOR
2016-2017 – Faculty Senator, College of Agriculture, Tennessee State University

COMMITTEES AND COMMUNITY SERVICE*S*
Graduate Coordinator 2017-present
College of Agriculture, *Tennessee State University,* Nashville, TN 37209, USA

Co-Chair, Student Awards Committee 2016-present
College of Agriculture, *Tennessee State University,* Nashville, TN 37209, USA

Science Fair Judge*, North Bay Regional Science Fair 2013,* *2013*
April 3, 2013, Nipissing University, North Bay, ON P1B 8L7

Chair for Science and Nature Panel*, 2012 Undergraduate Conference,* *2012*
March 23-24, 2012, Nipissing University, North Bay, ON

Search Committee Member of Assistant Professor 2009
Remote Sensing and Spatial Analysis - Michigan Technological University, Houghton, MI 49931, USA

Poster Judge - 5th Annual Graduate Research Forum, Ecosystem Science Center 2009
SFRES, Michigan Technological University, Houghton, MI 49931, USA

Community Assistant 2006-2008
Daniell Heights Apartments - Michigan Technological University, Houghton, MI 49931, USA

Co-Chair - International Honorary for Leaders in University Apartment Communities 2007-2008
MTU Chapter, Michigan Technological University, Houghton, MI 49931, USA

AWARDS AND HONORS

Outstanding Teacher Award 2019
College of Agriculture, Tennessee State University, Nashville, TN 37209

Tree of Life Award 2013
Canadian Institute of Forestry, Mattawa, P0H 1V0 ON Canada

Graduate Dean's Finishing Fellowship for Summer Semester 2008
Michigan Technological University, Houghton, MI 49931, USA

Certificate of Merit on Applied Multivariate Statistics 2006
Mathematical Sciences Department - Michigan Technological University, Houghton, MI 49931, USA

Horner Hardwood Research Award (US$ 1,000) 2006
School of Forest Resources and Environmental Science, Michigan Tech., Houghton, MI 49931, USA

Graduate Travel Grant (US$ 750) 2006
Ecosystem Science Center, Michigan Technological University, Houghton, MI 49931, USA

2005's Inductee of International Honorary for Leaders 2005
University Apartments Communities (IHLUAC), Michigan Tech Chapter, Houghton MI 49931, USA

Timbind Utilization Prize (a medal and AUS $ 200) 1998
Boral Timber, Bathurst NSW 2795, Australia
Department of Forestry, Australian National University, Canberra ACT 0200, Australia

State Forests of New South Wales Scholarship (AUS$ 2,000) 1997-1998
State Forests of NSW, Pennant Hills, Australia

Scholarships 1994-1998
AusAID Scholarship (Australian Agency for International Development)
- *B.Sc. (Forestry) with Honours,* Australian National University, Canberra ACT 0200, Australia
- *Year 12 Certificate,* Canberra Institute of Technology (CIT), Canberra ACT 2601, Australia