

**TERRY L. SHARIK**

**PROFESSIONAL RESUME**

November 2021

**OFFICE ADDRESS**

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**PRESENT POSITION (since July 1, 2018)**

Research Professor and Emeritus Dean and Professor, College of Forest Resources and Environmental Science, Michigan Technological University, Houghton, MI 49931-1295.

**EDUCATION**

West Virginia University, 1960-1964: BSF, Forestry and Wildlife Management, June 1964 (cum laude).

University of Michigan, 1964-1970: MF, Forest Recreation, April 1966; Ph.D., Forest Botany, August 1970.

**TEACHING AND LEARNING**

**Experience**

Teaching Fellow, Biology of Woody Plants (Dendrology), University of Michigan, 1964-68.

Instructor in Adult Education (Biology of Woody Plants), Matthaei Botanical Gardens, University of Michigan, 1967-1970.

Teaching Assistant, Forest Genetics, University of Michigan, 1970.

Assistant Professor of Biology, Oberlin College, 1971-73: Plant Diversity (Biol. A-101), Environment and Man (B-102), Biology of Vascular Plants (201), Systematics of Vascular Plants (326), General Ecology (320), Topical Seminar in the Biology of Woody Plants (407).

Assistant Professor of Forest Biology, Virginia Polytechnic Institute and State University, 1975-82: Dendrology (FOR 2200), Forest Ecology (FOR 3200, 3210), Conservation of Natural Resources (FOR 3040), Wildlife Habitat Ecology and Analysis (FIW 4501, 5502), Forest Genetics (FOR 5980, with P. P. Feret).

Faculty, Biological Station, University of Michigan, 1982-92 (summers): Plant Ecology (BOT 560), ASSIST Program for secondary school life science and biology teachers (NSF-sponsored), Research Experiences for Undergraduates (NSF-sponsored).

Associate Professor and Professor of Forest Ecology, Michigan Technological University, 1986-1993: Woody Plant Identification (FW 201), Biology of Woody Plants (FW 202), Forest Ecology (FW 210), Forest Community Ecology (FW 510).

Professor of Forest Ecology, Utah State University, 1993-2012: Professional Orientation for Natural Resources Majors (FR 1990, ENVS 1990), Biology of Woody Plants (FR 3200), Assessment and Synthesis in Natural Resource Science (WILD 4910), Woody Plants of the Sierras (FR 4910), Dendrology (WILD 5500), People and Forests (ENVS 4950/6900), Graduate Orientation Seminar (ENVS 6840/7840).

Professor of Sustainable Resources, School of Forest Resources and Environmental Science, Michigan Technological University, 2012-2018: No regular courses taught.

### **Awards:**

University Distinguished Teaching Fellow, University of Michigan, 1968.

Distinguished Teacher of the Year, School of Forestry and Wood Products, Michigan Technological University, 1993.

Robbins Professor of Sustainable Resources, 2014-2018.

### **Grants Related to Education:**

Development of audio-visual teaching aids in Biology, 1972 (Oberlin College, \$1,700).

Establishment of the Gombe School of Environment and Society, Tanzania: Phase I., 2005 (Walton Family Foundation and 8 individual donors, \$24,325, with Y. Fubusa and K. Clark).

Establishment of the Gombe School of Environment and Society, Tanzania. 2006-2007 (New England Biolabs Foundation, \$8,000, with Y. Fubusa and K. Clark).

Establishment of the Gombe School of Environment and Society, Tanzania: Phase II., 2006-2007 (International Community Foundation, \$49,666, with Y. Fubusa and K. Clark).

Establishment of the Gombe School of Environment and Society, Tanzania, 2007-2008 (New England Biolabs Foundation, \$10,000, with Y. Fubusa and K. Clark).

Establishment of the Gombe School of Environment and Society, Tanzania, 2008-2009 (International Community Foundation, \$77,500, with Y. Fubusa and K. Clark).

Establishment of the Gombe School of Environment and Society, Tanzania, 2005-present (Various private donors, \$117,868).

Undergraduate enrollment trends in natural resources in the U.S. (State of Utah, 2007-2012, \$22,500).

Undergraduate Enrollment Trends in Natural Resources, 2009-2010. (NAUFRP, \$1,000)

Sponsorship of the 7<sup>th</sup> North American Forest Ecology Workshop, 2009 (USDA Forest Service, \$5,000)

Rocky Mountain Sustainability and Science Network: Enhancing Student Understanding of Biological Science through Experiential Learning on Public Lands, 2010-2014. NSF, \$490,814, multi-institutional—cooperator)

New Positions at the Gombe School of Environment and Society, Tanzania, 2011 (Walton Family Foundation, \$127,650).

### **Graduate Committees:**

Directed or co-directed committees of 29 graduate students (19 M.S., 10 Ph.D.), 1975-present, nearly all of whom were supported on research assistantships obtained from outside grants and contracts.

Served on 91 graduate committees (58 M.S., 33 Ph.D.), including own students and those of other faculty from Michigan Technological University, Virginia Polytechnic Institute and State University, University of North Carolina at Chapel Hill, University of Illinois at Chicago, Bowling Green State University, and Utah State University, 1975-present.

### **Undergraduate Advising**

In addition to advising individual students, I have served as faculty adviser to the Student Chapters of the Wildlife Society (VPI&SU 1980-82; MTU, 1986-1988), International Association for Society and Natural Resources (USU, 2003-2004), Canterbury Fellowship (VPI&SU, 1980-1990), and Society of American Foresters (MTU, 2013-present). I was also a member of the Mentor Program at Michigan Technological University from 1989-1991.

### **Evaluation of Teaching Performance:**

Formal student and peer reviews of teaching are available upon request.

### **Peer Reviewer:**

Graduate Degree Program in Environmental Science, Policy, and Management, University of California, Berkeley, 1995.

Society of American Foresters' accreditation review of undergraduate degree programs at the University of Tennessee, Knoxville, 1995 (Review Team Chair).

Society of American Foresters' accreditation review of undergraduate degree programs at Washington State University, Pullman, 2002 (Review Team Chair).

Society of American Foresters' and Society of Wood Science and Technology's accreditation review of undergraduate programs at North Carolina State University, 2005 (Review Team Chair).

Society of American Foresters' accreditation review of Masters Degree program at the University of Michigan, Ann Arbor (Preliminary Review Team Member).

University of Montana, Department of Forest Management, 2009.

University of Montana, Montana Forest and Conservation Experiment Station, 2019.

## **RESEARCH**

### **Experience**

Research Assistant, Island Creek Experimental Forest, Logan County, West Virginia, Summer 1963.

Research Assistant, School of Natural Resources, University of Michigan, Ann Arbor, 1967-1970.

Biologist, Ecological Sciences Division, NUS Corporation, Pittsburgh, Pennsylvania, 1973-1975.

Research Faculty, School of Forestry and Wildlife Resources, Virginia Polytechnic Institute and State University, Blacksburg, 1975-1982.

Research Faculty, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, 1982-1986.

Research Faculty, School of Forestry and Wood Products, Michigan Technological University, Houghton, 1986-1993.

Research Faculty, Lake Superior Ecosystem Research Center, Michigan Technological University, Houghton, 1989-1993.

Research Faculty, Department of Forest Resources, Utah State University (USU), Logan, 1993-2002.

Research Faculty, Department of Environment and Society, USU, 2002-2007.

Research Associate, The Arnold Arboretum of Harvard University, Jamaica Plain, MA, 2000-2001 (sabbatical leave from USU).

Visiting Scholar, School of Natural Resources and the Environment, University of Michigan, Ann Arbor, MI, 2007-2008 (sabbatical leave from Utah State University).

Research Faculty, Department of Wildland Resources, USU, 2008-2012.

Research Faculty, Michigan Technological University, MTU, 2012-present.

**Awards:**

Carleton Macarron Scholarship, University of Michigan, 1966-1967.

National Science Foundation Research Trainee in Systematic and Evolutionary Biology, University of Michigan, 1967-1969.

**Peer Reviewer:**

*Forest Science, Journal of Forestry* (Editorial Board and Guest Editor), *International Journal of Forestry Research* (Guest Editor), *Canadian Journal of Forest Research, Forest Ecology and Management, Forest Policy and Economics, Northern Journal of Applied Forestry, New Forests, Urban Forestry and Urban Greening, Journal of Ecology, Ecological Applications, BioScience, Conservation Letters, Natural Areas Journal, American Journal of Botany, Journal of Mammalogy, Society and Natural Resources, Journal of Natural Resources and Life Sciences Education, American Midland Naturalist, South African Journal of Botany, International Journal of Remote Sensing, Bulletin Torrey Botanical Club, Southwest Naturalist, Michigan Botanist, NatureScope, Ranger Rick Magazine, Forest Ecology* (book, John Wiley and Sons), *Environmental Conservation* (book, John Wiley and Sons), *Environmental Problem Solving: A-How-To-Guide* (book, University Press of New England); *Oak Forest Ecosystems: Ecology and Management for Wildlife* (book, John Hopkins University Press), *Management Options for the Rehabilitation of Damaged Ecosystems* (book, CRC Press, one chapter), *Biogeography and Ecology of the Lake Erie Islands* (Symposium, one article), 15th Annual Natural Areas Conference (one article), Proceedings Central Hardwoods Forest Conference, National Science Foundation (research proposals), U.S. Department of Agriculture (research proposals), U.S. Forest Service (Reinvention Plan, Interior Columbia River Basin Ecosystem Management Project Report, Experiment Station programs, Intermountain Research Station (manuscript)), U.S. Environmental Protection Agency (research programs, proposals, and professional personnel), International Arid Lands Consortium (research proposals), Center for Educational Policy Research (College Board AP Best Practices Course Study).

**Grants and Contracts Related to Research:**

West Lorain alternate site study (Ohio Edison, 1974-75, \$38,000).

Regional site analysis, South Texas Project (Houston Lighting and Power, 1975-1976, \$12,000).

Inventory of Little Robbins Slough wetlands vegetation (Houston Lighting and Power, 1975-1976, \$20,000).

Revegetation of oil shale (Gulf-Standard, 1975-77, \$86,000).

The effects of commercial whole-tree harvesting on soil nutrients and natural regeneration (U.S. Forest Service, 1976-81, \$35,000; with D. W. Smith).

The effects of whole-tree harvesting on soil nutrients and natural regeneration (Virginia Agricultural Foundation, 1976-78, \$14,600; with D. W. Smith).

An environmental analysis of two potential sites for an Appalachian Power Company pumped storage hydroelectric facility (American Electrical Power Service Corporation, 1978-79, \$38,000; with D. W. Smith).

Dendrological studies in the Eastern Deciduous Forest Biome (U.S. Forest Service, 1978-80, \$28,000; with P. P. Feret).

Recovery plan for the endangered round-leaf birch, Betula uber (U.S. Fish and Wildlife Service, 1978-79, \$13,400).

Analysis of wetland-upland transitions in the Missouri River Basin of North Central United States (U.S. Army Corps of Engineers, 1979-80, \$24,615; with W. C. Johnson, R. A. Mayes & R. M. Mead).

Environment and annual changes in vegetation transition zones in wetlands of the Upper Missouri River Basin. (U.S. Army Corps of Engineers, 1980-81, \$23,947; with W. C. Johnson and R. A. Mayes).

Inventory of understory vegetation for the Brumley Gap area. (American Electric Power Service Corporation, 1980, \$8,953).

Quantifying natural regeneration following clearcutting of upland oak stands in the Virginia Piedmont. (U.S. Forest Service, 1981-84, \$23,000; with D. W. Smith).

Recovery efforts for the endangered Virginia round-leaf birch, Betula uber (U.S. Fish and Wildlife Service, 1981-91 (ten contracts), \$135,900; with P. P. Feret and D. M. Porter).

The impact of environment and genotype on the reproductive fitness of Fraser fir from Mt. Rogers and Mt. Mitchell (Environmental Protection Agency and U.S. Forest Service, 1985-88 (three contracts), \$132,516; with P. P. Feret, W. E. Winner and B. I. Chevone).

Polarimetric radar observation of forest state for determination of ecosystem process (NASA, 1988-93, \$846,866, with F. T. Ulaby, M. C. Dobson and J. A. Weber).

Interactions in the regeneration of oaks and pines in northern Michigan (Michigan Department of Natural Resources, 1988-93, \$92,000).

Regeneration ecology of eastern white pine (U.S. Dept. Agriculture--CSRS, 1988-1991, \$69,843).

Regenerating northern red oak in association with pine (U.S. Forest Service Challenge Grant, 1990-1992, \$75,250; with J. G. Isebrands).

Use of ERS-1 SAR image data in seasonal forest ecosystem studies (NASA--subcontract with University of Michigan, 1990-1993, \$30,500).

Litterfall, nutrient cycling and establishment of northern red oak seedlings in oak and pine stands (USDA-CSRS, 1990-1993, \$60,000; with M. F. Jurgensen).

Regenerating paper birch in the western Great Lakes Region, U.S. Forest Service challenge grant, (Lake States FOREM Cooperative and Champion International Corporation, 1990-1994 (three contracts), \$32,000, with D. Perala).

Population, distribution, and habitat study of threatened, endangered, candidate and sensitive species of plants and animals and Neotropical birds within Hill Air Force Base Area of Operations (U.S. Dept. Defense, 1994-1999, \$1,500,000; Project Coordinator involving 9 P.I.'s in five departments at USU).

Enhancement of the Makerere University Biological Field Station, Kibale National Park, Uganda (U.S. Agency for International Development, 1995-1997, \$425,000; Subcontract with the Consortium for International Development, Tucson, AZ).

Bookcliffs aspen regeneration study (Bureau of Land Management, 1998-2001, \$47,477; Project Co-coordinator involving 4 PIs at USU).

Collaborative planning on the Caribou National Forest (Theodore Roosevelt Conservation Partnership, 2003-2004, \$15,000; Project Coordinator involving 3 faculty and 3 graduate students.).

Development of measures for Montreal Process Indicator 44 on the Importance of Forests to People (USDA Forest Service, 2007-2008, \$75,000; Co-PI with faculty at Auburn University, Michigan State University, Penn State University, Oregon State University, and University of Vermont).

Preparing Forestry and Natural Resources Leaders in an Era of Change, U. S. Department of Agriculture, \$75,000 (2009-2011) (multi-institutional, cooperator).

Development of a Literature Database on the Scholarship of Teaching and Learning in Natural Resources, USDA/Clemson University, \$500 (2010).

### **LEGISLATIVE INITIATIVES (Base Funding)**

Extension forestry to educate Utah's private forest landowners (State of Utah, 1997-2012, \$102,000; with M. R. Kuhns).

Recreation and tourism research and extension program (State of Utah, 1998-2012, \$150,000; with D. J. Blahna).

### **MANAGERIAL AND ADMINISTRATIVE EXPERIENCE OUTSIDE ACADEMIA**

Section Manager, Vegetation Studies Program, Ecological Sciences Division, NUS Corporation, Pittsburgh, PA, 1973-75.

Project Manager, Terrestrial Ecology Studies, NUS Corporation, 1973-75 (South Texas Nuclear Project, Erie Nuclear Project, Rio Blanco Oil Shale Project).

### **ACADEMIC ADMINISTRATIVE AND COMMITTEE SERVICE**

Peer Evaluation Committee, School of Forestry and Wood Products (SFWP), Michigan Technological University (MTU), 1986-1988 (Chair 1987-88).

Interim Status Report Committee for Society of American Foresters, SFWP, MTU, 1988.

Ecology Group, MTU, 1988-1993 (Coordinator 1988-1991).

Curriculum Committee, SFWP, MTU, 1987-90 (Chair, 1989-90).

Research Committee, SFWP, MTU, 1989-90 (Chair).

Peer Mentor Committee, MTU, 1989-1991.

Steering Committee on Lake Superior Ecosystem Study, MTU, 1989-1993.

Lake Superior Ecosystem Research Center, 1989-1993, Associate Director, 1992-1993.

Committee on Academic Calendar Change, MTU, 1990.

Commission to Evaluate the University Administration, MTU, 1990-1991.

Tenure & Promotion Committee, SFWP, MTU, 1990-1993 (Chair 1993).

Senate, MTU, 1991-1993 (Board of Control Liaison Task Force, 1991-92, President, 1992-1993).

University President's Cabinet, MTU, 1991-1993.

Soils Committee, SFWP, MTU 1991-1993.

Cooperative State Research Service (CSRS) Review Committee, SFWP, MTU, 1992-93.

Interschool Tenure and Promotion Committee, MTU, 1993.

Steering Team on Total Quality Management, MTU, 1993.

Head, Department of Forest Resources, Utah State University (USU), 1993-2002.

Head, Department of Environment and Society, USU, 2002-2007.

Dean's Council, College of Natural Resources, USU, 1993-2007.

Lead Author and Coordinator, *Self-study Report, Department of Forest Resources, USU, 1994* (Basis of CSRS/USDA program review, December 1994).

Senate, USU, 1999-present (Policies and Procedures Committee, 1995-1997; Executive Committee, 1996-1999).

President's Diversity Team, USU, 1994-2000.

General Education Task Force, First-year Seminar Working Group, USU, 1995.

Committee on Master of Natural Resources Degree Program, USU, 1995-98.

Judicial Board, USU, 1995-1998.

Department Heads' Executive Committee, USU, 1995-2003, 2005-2006 (Chair-Elect, 1996-97; Chair, 1997-98).

Departmental Coordinator, USU Internship Program, 1995-2007.

Author, *Self-study, Department of Forest Resources, USU*, 1996 (for Northwest Association of Schools and Colleges' Accreditation).

Administrative Council, USU, 1997-98.

Ad Hoc Committee on Linkages between the Educational Policies Committee and the Graduate Council at USU, 1998.

Vision and Mission Committee, College of Natural Resources, USU, 1999.

Academic Programs Committee, College of Natural Resources, USU, 1999-2000 (Co-Chair).

Strategic Planning Oversight Committee, College of Natural Resources, USU, 1999-2007.

Rocky Mountain Sustainability and Science Network: Enhancing Student Understanding of Biological Science through Experiential Learning on Public Lands. NSF, \$490,814 (2010-2014) (multi-institutional, cooperator).

Author, *Self-Study Report for Society of American Foresters' Continued Accreditation of Bachelor of Science Degree in Forestry, Department of Forest Resources, College of Natural Resources, Utah State University, August 2000.*

University Task Force on the Environment, USU, 2002-2003.

Selective Investment Committee, USU, 2002-2003.

First-Year Seminar Committee, USU, 2002-2003.

Berryman Institute Advisory Committee, USU, 2004.

Bioneers Conference Planning Committee, USU, 2004-2007.

Western Rural Development Center Director Search Committee, USU, 2004.

E. G. Peterson Extension Award Selection Committee, USU, 2004.

Utah House Advisory Committee, USU, 2004-2007.

Arboretum Committee, USU, 2005-2012.

Oversight of ENVS Department's participation (by invitation) in USU's NSF-ADVANCE Supportive Workplace Initiative, 2005-2007.

Outstanding Graduate Mentor of the Year Selection Committee, USU, 2006-2007.

Author, *Self Study, Department of Environment and Society, USU* (for Northwest Association of Schools and Colleges' Accreditation).

Promotion Advisory Committee, Dr. Chris Conte, Department of History, USU, 2007-2012.

Sustainability Council, USU, 2007-2008.

Promotion Advisory Committee, Dr. Chris Call, Department of Wildland Resources, USU, 2008-2010.

Author, *Self-Study Report for Society of American Foresters' Continued Accreditation of Bachelor of Science Degree in Forestry, Department of Wildland Resources, College of Natural Resources, Utah State University, December 2009.*

Chair, Post-Doc Selection Committee, Department of Wildland Resources, USU, 2010.

Teaching coach, USU, 2011-2012.

Dean, School of Forest Resources and Environmental Science, MTU, 2012-2018.

Deans' Council, MTU, 2012-2018.

Diversity Council, MTU, 2014-2018.

ADVANCE Matrix Process for University Programs (AMP-UP), MTU, 2015-2018.

Champion, Kaizen on Tracking Teaching, Research, and Service, MTU, 2016-2018.

### **HONORARY AND PROFESSIONAL SOCIETIES**

Alpha Zeta (Chancellor, 1964), Gamma Sigma Delta, Phi Epsilon Phi, Phi Sigma, Sigma Xi, Xi Sigma Pi (Ranger, 1964; Forester, 1966), Society of American Foresters (Student member 1964-1970; regular member 1971-present; elected Fellow, 1997; Natural Areas Council, 1975-1982, Forest Ecology Working Group: Chair-elect and Chair, 1992-1996; special recognition for significant contributions in science and technology transfer, 1997; Editorial Board, *Journal of Forestry*, 1995-1998 [forest ecology], 2006-2011 [education and communication]; Science and Technology Board, 1997-2000; Graduate, Leadership Academy, 1998; Planning Team, Leadership Academy, 1998-2000; Science and Technology Chair, Wasatch Chapter, 1999; Executive Committee, Intermountain Section, 2000; Critical and Emerging Issues Subgroup, 2000; Committee on Genetically-Modified Organisms, 2000-2001; Task Force on Educational Programs in Terrestrial Ecosystem Management, 2009-2011; Diversity and Inclusion Working Group founding member, 2017-present), Forest History Society, International Association for Society and Natural Resources, Ecological Society of America, American Institute of Biological Sciences, Society for Conservation Biology. (Note: Professional societies include variable periods of membership, with not all current.)

### **PARTICIPATION ON PROFESSIONAL PANELS AND COMMITTEES OUTSIDE HOME INSTITUTION**

1975-1977: Member of the Advisory Panel to the Institute of Ecology (TIE) on "The Ecology Handbook".

1975-1982: Society of American Foresters, Natural Areas Council.

1977-1986: Plant Committee, Virginia Endangered Species Program.

1977-1986: Chair of the Betula uber Protection, Management, and Research Coordinating Committee.

1986-1989, 1993-1995: Secretary of the Betula uber Protection, Management, and Research Coordinating Committee.

1991-1993: Member of Science Advisory Committee, Michigan Chapter of the Nature Conservancy.

1992: Co-organizer and Moderator of Technical Session on Endangered Species and Ecosystems, Society of American Foresters Annual Convention.

1992: Organizing Committee, Lake Superior Biological Conference.

1992-1996: Chair-elect and Chair, Forest Ecology Working Group, Society of American Foresters.

1993: Co-organizer and Moderator of Technical Session on Application of Landscape Concepts to Forest Ecosystem Management, Society of American Foresters Annual Convention.

1994-2012: Board member, Teton Science School, Kelly, Wyoming.

1994-95: Member, Steering Committee, First Biennial Conference on University Education in Natural Resources, Pennsylvania State University, College Station.

1994-2012: USU representative to the National Association of Professional Forestry Schools and Colleges (NAPFSC) (Western NAPFSC: Legislative Issues Chair, 1996-1999; Chair, 2000-2002). Currently known as the National Association of University Forest Resources Programs (NAUFRP).

1994-1999: USU representative to the Alliance for Natural Resource Research, Education, and Management in the Northern Rocky Mountains (Strategic Planning Coordinator, 1997).

1995-1998: Editorial Board, *Journal of Forestry* (Forest Ecology)

1995-1998: Utah Natural Resources Coordinating Council, Ecosystem Classification and Mapping Working Group (Chair).

1996-2000: Board member, Canyonlands Field Institute, Moab, Utah.

1996-1997: Steering Committee, First North American Forest Ecology Workshop, North Carolina State University, Raleigh (co-founder of the workshop series).

1996-1998: Chair, Steering Committee, Second Biennial Conference on University Education in Natural Resources, Utah State University, Logan.

1997: Program Co-chair, Grand Staircase-Escalante National Monument Science Conference, Cedar City, Utah.

1997-2000: Forest Science and Technology Board, Society of American Foresters.

1997-1999: Steering Committee, Second North American Forest Ecology Workshop, University of Maine, Orono.

1998-2001: Planning Team, Leadership Academy, Society of American Foresters.

1998-2000: Advisory Committee, Third Biennial Conference on University Education in Natural Resources, University of Missouri, Columbia.

1998-2012: Executive Committee, Rocky Mountains Cooperative Ecosystem Studies Unit.

1999-2012: Science and Technology Representative, Executive Committee, Wasatch Chapter, Society of American Foresters.

1999-2001: Advisory Committee, Third North American Forest Ecology Workshop, University of Minnesota, Duluth.

2000: Executive Committee, Intermountain Section, Society of American Foresters.

2000: Critical and Emerging Issues Subgroup, Society of American Foresters.

2000-2001: Committee on Genetically-Modified Organisms, Society of American Foresters.

2002-2003: Advisory Committee, Fourth North American Forest Ecology Workshop, Oregon State University, Corvallis.

2005-2006: Advisor to Sixth Biennial Conference on University Education in Natural Resources, Michigan State University, East Lansing.

2006-2011: Editorial Board, *Journal of Forestry* (Education and Communication).

2006-2012: Executive Committee: Sustainable Forests Partnership.

2006-2007: Advisor to Sixth North American Forest Ecology Workshop, University of British Columbia, Vancouver.

2007: Host, Annual Meeting of Western Region of the National Association of University Forest Resources Programs, Utah State University, Logan.

2007-2008: Advisor to the Seventh Biennial Conference on University Education in Natural Resources, Oregon State University, Corvallis.

2007-2009: Planning Committee (co-chair), Seventh North American Forest Ecology Workshop, Utah State University, Logan.

2008-2012: Board (chair), GOSESO-USA.

2009-2012: Chair, Sustainable Forests Partnership.

2009-2011: Guest Editor, *International Journal of Forestry Research* (special issue on emerging issues in North American forest ecology and management).

2009-2012: Society of American Foresters' Task Force on Educational Programs in Terrestrial Ecosystem Management (representing NAUFRP).

2009-2011: NAUFRP Committee on Enhancing Undergraduate Education in Natural Resources.

2010-15: Oversight Committee/Board, Rocky Mountain Science and Sustainability Network.

2010-2011: Guest Editor, *Journal of Forestry* (special section on teaching and learning in natural resources).

2011: Participating member (representing the Society of American Foresters), Coalition of Natural Resource Societies.

2012-2018: Represented MTU on the National Association of University Forest Resources Programs (NAUFRP) (served on Executive Committee as Education Chair, 2012-2018).

2015: Participation (by invitation) in a USDA task force funded by NIFA on workforce issues in agriculture and natural resources, representing the National Association of University Forest Resources Programs (NAUFRP). Resulted in the publication of a report entitled "Employment Opportunities for College Graduates in Food, Agriculture, Renewable Natural Resources, and the Environment: *United States, 2015-2020*," published in May 2015 (<https://www.purdue.edu/usda/employment/>).

2015: Participation (by invitation) in a panel on "Workforce Development in Tribal Forestry" at the Tribal Forestry Summit, held at Yale University in October 2015.

2016. Participation (by invitation) in a National Academy of Science Workshop on Creating the Future Workforce in Food, Agriculture, and Natural Resources. Washington, D.C., February 10-11, 2016.

2016. Participation (by invitation) in USDA Forest Service's "Chief's Review" of the Midwest and Northeast Regions as a panelist regarding workforce issues where I presented on diversity trends in the student population and workplace.

2017-present: Resource specialist, SAF Diversity and Inclusion Working Group.

2018-present: Education Committee, Forest Products Society.

2019-2021: U.S. Representative to Experts Workshop on Forest Sector Employment, Green Jobs, and Forest Education, Bonn, Germany, November 18-19, 2019. Co-organized by the European Forestry Institute (EFI), International Union of Forestry Research Organizations (IUFRO), and International Forestry Students Organization (IFSA).

2019-present: U.S. Representative on the Technical Advisory Committee for the Global Forest Education Project, co-led by the Food and Agricultural Organization (FAO) of the United Nations, IUFRO, and the International Tropical Timber Organization (ITTO).

2019-present: Oversight Committee, Mill Creek Restoration Project, Dexter, MI

2020: Participation (by invitation) in a USDA task force funded by NIFA on workforce issues in agriculture, food, and natural resources.

**PRESENTATIONS Since 2010 (\*Invited, \*\*Keynote)**

**General**

Sharik, T. L. 2013. Perspectives on Natural Resource and Environmental Science. Michigan Department of Environmental Quality, February 26, 2013.

Sharik, T.L. and T. L. Bal. 2016. Michigan Technological University School of Forest Resources and Environmental Science. Michigan Green Corps Recruiting Trip, August 4, 2016, Roscommon, MI.\*

**Related to Education**

Sharik, T.L., and P.A. Layton. 2010. Forestry Education in the USA in a changing social climate. International Symposium on Forestry Education, University of British Columbia, Vancouver, BC.

Sharik, T.L., and R.J. Lillieholm. 2010. Undergraduate enrollment trends in natural resources at NAUFRP institutions: An update. 8<sup>th</sup> Biennial Conference on University Education in Natural Resources, March 25, 2010, Blacksburg, VA.

———. 2010. Undergraduate enrollment trends in forestry and related natural resource fields, 1980-2009. Society of American Foresters National Convention, House of Society Delegates, October 26, 2010, Albuquerque, NM.\*

———. 2011. Undergraduate enrollment in natural resources in the United States: an update. 17th International Symposium on Society and Resource Management, University of Wisconsin, Madison, WI.

Sharik, T. L. and R. J. Lillieholm. 2011. Overview of undergraduate enrollment trends in forestry and related natural resource fields. Society of American Foresters National Convention, November 4, 2011. Honolulu, HI.

- Sharik, T.L., R.J. Lilieholm, and W.W. Richardson. 2012. Trends in higher education related to forestry and natural resource management. Great Lakes Forest Industry, Products and Resources Summit, June 7, 2012, Keshena, WI.\*
- Sharik, T.L., R.J. Lilieholm, and W.W. Richardson. 2012. Factors influencing undergraduate enrollment trends in natural resources. 9th Biennial Conference on University Education in Natural Resources, March 23, Fort Collins, CO.\*\*
- Sharik, T.L., R.J. Lilieholm, and W.W. Richardson. 2013. Diversity trends in the U.S. natural resource workforce and undergraduate student population. National Diversity Conference on the Future of Diversity in our Disciplines and Careers: Natural Resources and the Environment, Virginia Tech, Blacksburg, VA.\*\*
- Sharik, T.L., R.J. Lilieholm, and W.W. Richardson. 2013. Trends in Undergraduate Enrollments in Forestry and Related Areas of Natural Resources in the U.S. with Respect to Gender and Race/Ethnicity. IUFROLAT 2013, June 14, 2013, San Jose, Costa Rico.
- Sharik, T.L., R.J. Lilieholm, and W.W. Richardson. 2013. Trends in undergraduate enrollments in forestry and related areas of natural resources in the U.S. Society of American Foresters National National Convention. Society of American Foresters, Bethesda, MD
- T. L. Bal, T.L. Sharik, A. J. Storer, C. A. Hohnholt, and H. W. Abbotts (eds.). 2013. Proceedings of the Conference on a Michigan Biomaterials Initiative: The Role of Education, Research, and Technology. School of Forest Resources and Environmental Science, Michigan Technological University, October 3-4, 2013. Traverse City, MI.
- T. L. Sharik. 2015. Undergraduate enrollment trends in natural resources programs in The U.S.: trends, drivers, and implications for the future of natural resource professions. Michigan Association of Environmental and Outdoor Educators (MAEOE) Conference Annual Conference, October 10, 2015, St. Sault Marie, MI.\*\*
- Sharik, T. L. 2015. Undergraduate enrollment trends in natural resources programs in the U.S. with an emphasis on racial/ethnic diversity. Tribal Forestry Summit, October 16, 2015, Yale University, New Haven, CT.\*
- Sharik, T. L. 2015. Gender and race/ethnicity diversity in the natural resources profession. West Virginia University, November 13, 2015, Morgantown, WV.\*

- Sharik, T. L. 2015. Diversity in the natural resources student population and its implications for the USFS workforce. USDA Forest Service's "Chief's Review" of the Midwest and Northeast, December 7-11, 2015, Philadelphia, PA.\*
- Sharik T. L. 2016. Gender and racial/ethnic diversity in the natural resources and environmental professions. School of Forest Resources and Environmental Sciences Forum, Michigan Technological University, January 29, 2016, Houghton, MI.
- Sharik, T. L. 2016. Participation in National Academies workshop on "Creating the Future Workforce in Agriculture and Natural Resources," February 10-11, 2016, Washington, D.C.
- Sharik, T. L. 2016. Undergraduate enrollment trends in natural resources and environmental programs in the U.S. with an emphasis on racial/ethnic diversity and Native Americans in particular. American Indian Higher Education Consortium (AIHEC) Student Conference, March 16, 2016, Minneapolis, MN.
- Sharik, T. L. 2016. Undergraduate enrollment trends in natural resources and environmental degree programs in the U.S. with an emphasis on racial/ethnic diversity and Native Americans in particular. Intertribal Council-Society of American Foresters Northwest Conference, October, 7, 2016, Spokane, WA.\*
- Sharik, T. L., M. D. Rouleau, and A. M. Wellstead. 2016. Global student perspectives on enrolling in forestry and related natural resources degree programs. ISSRM, June 28, 2016, Houghton, MI.
- Sharik, T. L., M. D. Rouleau, and A. M. Wellstead. 2016. Global student perspectives on enrolling in forestry and related natural resources degree programs. IUFRO Regional Congress, October 26, 2016, Beijing, China.
- Sharik, T. L. and T. L. Bal. 2016. Inter-institutional variation in minority enrollment in undergraduate natural resources programs in the U.S. in relation to web-based recruitment strategies. SAF National Convention, November 4, 2016, Madison, WI.\*
- Sharik, T. L., M. D. Rouleau, and A. M. Wellstead. 2016. Global student perspectives on enrolling in forestry and related natural resources degree programs. SAF National Convention, November 5, 2016, Madison, WI.

- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Hunan Academy of Forestry, May 10, 2017, Changsha, China.\*
- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Central South University of Forestry and Technology, May 12, 2017, Changsha, China.\*
- Sharik, T. L. 2017. Global student perspectives on enrolling in forestry and related natural resources degree programs. Central South University of Forestry and Technology, May 13, 2017, Changsha, China.\*
- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Zhejiang Agricultural and Forestry University, May 15, 2017, Hangzhou, China.\*
- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Chinese Academy of Forestry, May 18, 2017, Beijing, China.\*
- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Northeast Forestry University, May 22, 2017, Harbin, China.\*
- Sharik, T. L. 2017. Global student perspectives on enrolling in forestry and related natural resources degree programs. Northeast Forestry University, May 23, 2017, Harbin, China.\*
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- Sharik, T. L. and A. J. Storer. 2017. Michigan Technological University, School of Natural Resources and Environment: Overview. Korea University, May 26, 2017, Seoul, Republic of Korea.\*
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- Rekola, M., D. Abbas., T. L. Bal, J. Burns, M. Lacker, C. Paulus, S. Rodríguez, T. L. Sharik, and A.J. Storer. 2017. Behavioral Event Interviews (BEI) related to skills and capabilities needed in current forest sector – results from the Global Outlook on Forest Education. IUFRO Anniversary Congress 2017, September 20, 2017, Freiburg, Germany.
- Sharik, T. L. and T. L. Bal. 2018. Undergraduate enrollment in natural resources degree programs in the U.S.: Trends, drivers, and implications for the future of the natural resources profession. Minnesota Society of American Foresters Annual Meeting, February 13, 2018, Grand Rapids, MN.\*\*
- Sharik, T. L. and T. L. Bal. 2018. Undergraduate enrollment trends in natural resources and environmental degree programs in the U.S. with an emphasis on diversity. Michigan Department of Natural Resources Conference, January 24, 2018, Traverse City, MI.\*
- Rekola, M., D. Abbas, T. L. Bal, J. Burns, M. Lacker, C. Paulus, S. Rodríguez, and T. L. Sharik. 2018. Global Outlook on Forest Education (GOFE) - preliminary results. 12<sup>th</sup> Biennial Conference on University Education in Natural Resources, March 9, 2018. Nacogdoches, TX.
- Storer, A. J. 2018. Efforts to increase achievement of student learning goals in communication in natural resources degree programs. 12<sup>th</sup> Biennial Conference on University Education in Natural Resources, March 9, 2018. Nacogdoches, TX.
- Bal, T. L., D. Abbas, T. L. Sharik, A. J. Storer, and M. Rekola. 2018. Efforts to increase achievement of student learning goals in communication in natural resources degree programs. 12<sup>th</sup> Biennial Conference on University Education in Natural Resources, March 9, 2018. Nacogdoches, TX.
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- Bal, T. L., T. L. Sharik, A. J. Storer, D. Abbas, and M. Rekola. 2018. Education competency analysis of recent graduates: Interview results from the U.S. participation in the Global Outlook on Forest Education Project. 12<sup>th</sup> Biennial

Conference on University Education in Natural Resources, March 9, 2018.  
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Rekola, M., D. Abbas., T. L. Bal, J. Burns, M. Lacker, C. Paulus, S. Rodríguez, and T. L. Sharik. 2018. Global Outlook on Forest Education (GOFE): Competency survey on recent graduates. 5<sup>th</sup> Meeting of Asia Pacific Forestry Education Coordination Mechanism: Globalization of Higher Forestry Education in a Digital Era, March 28, 2018, Beijing, China.\*\*

Sharik, T. L., A. J. Storer, and T. L. Bal. 2018. Education as a driver of change in U.S. forests and the forest sector. 5<sup>th</sup> Meeting of Asia Pacific Forestry Education Coordination Mechanism: Globalization of Higher Forestry Education in a Digital Era, March 28, 2018, Beijing, China.\*

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Sharik, T. L. and T. L. Bal. 2018. Undergraduate enrollment in natural resources degree programs in the U.S.: Trends, drivers, and implications for the future of the natural resources profession. Upper Peninsula Chapter of the Michigan Society

of American Foresters and Central Ontario Section of the Canadian Institute of Forestry Joint Conference, April 12, 2018, Sault Ste. Marie, MI.\*

Bal, T. L. and T. L. Sharik. 2018. Natural resources professional societies' visual portrayal online: Are they representative? Society of American Foresters National Convention, October 5, 2018, Portland, OR.

Bal, T. L. and T. L. Sharik. 2018. Major hesitancy factors for students enrolling in forestry or related natural resource programs in the U.S. Society of American Foresters National Convention, October 6, 2018, Portland, OR.

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Sharik, T. L. and T. L. Bal. 2019. Forest sector employment and green jobs in the United States. Workshop on Forest Sector Employment, Green Jobs, and Forest Education, EFI-IUFRO-IFSA, November 18, 2019, Bonn, Germany.\*

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Bal, T. L. and T. L. Sharik. 2020. Comparative analysis of enrollment trends in natural

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Sharik, T. L. 2020. Roundtable Discussion on Forest Education. World Forestry Week, October 12, 2020. (Virtual)\*

Rekola, M., T. L. Sharik, and D. Abbas. 2021. A global assessment of forest education: Preliminary findings. International Conference on the Future of Wood Science and Technology Education 2021, May 27, 2021. (Virtual)

Sharik, T.L., M. Zeng, and R. Saracina. 2021. North American report on forest education. International Conference on Forest Education, June 22, 2021. (Virtual)\*

Sharik, T. L. 2021. Findings from the Global Forest Education Assessment Project regarding gender and ethnicity. International Conference on Forest Education, June 22, 2021. (Virtual)\*

Sharik, T. L. 2021. Global Forest Education Assessment Project: Challenges regarding tertiary education. International Conference on Forest Education, June 22, 2021. (Virtual)\*

Sharik, T.L. 2021. Addressing the challenges students face in the course of learning. IUFRO World Day, September 28, 2021. (Virtual)\*

### **Related to Forest Biomaterials**

T. L. Sharik. 2013. Introduction: Michigan Biomaterials Conference: The Role of Education, Research, and Technology in a Michigan Biomaterials Initiative, October 23, 2013.

T. L. Sharik. 2014. Introduction. Michigan Biomaterials Initiative Steering Committee Meeting, March 26, 2014, Houghton, MI.

Sharik, T. L. and M. Rudnicki. 2014. Michigan Biomaterials Initiative: Opportunities and Challenges. Keweenaw Economic Development Alliance meeting, April 9, 2014, Hancock, MI.\*

Sharik, T. L. 2014. Biomaterials and the Rebranding of Wood: Opportunities and Challenges. 10<sup>th</sup> Annual Sustainability Conference, Florence, WI.\*

- Sharik, T. L. 2014. Update on Michigan Forest Biomaterials Initiative. Michigan Farm Bureau, May 2, 2014.\*
- Sharik, T. L. 2014. Update on Michigan Forest Biomaterials Initiative. College of Engineering, Michigan Technological University, August 18, 2014.\*
- Sharik, T. L. 2014. Update on Michigan Forest Biomaterials Initiative. Michigan State University, September 4, 2014, East Lansing, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. MTU Symposium on Michigan Forest Biomaterials Initiative: Introduction. March 20, 2015, Houghton, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. Update on Michigan Forest Biomaterials Initiative. Michigan Society of American Foresters spring meeting, April 9, 2015, Marquette, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. Update on Michigan Forest Biomaterials Initiative. Michigan Farm Bureau meeting, April 28, 2015, Escanaba, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. Update on Michigan Forest Biomaterials Initiative (MIFBI). MIFBI Steering Committee meeting, May 28, 2015, Gaylord, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. Update on Michigan Forest Biomaterials Initiative (MIFBI). Michigan Higher Education institutions meeting, June 29, 2015, Gaylord, MI\*.
- M. Rudnicki (introduction by T. L. Sharik). 2015. Update on Michigan Forest Biomaterials Initiative. Michigan Forest Association annual meeting, August 14, 2015, Munising, MI.\*
- Sharik, T.L. and M. Rudnicki. 2015. Michigan Forest Biomaterials Initiative: Working to create a renewable and sustainable future. Keweenaw Green Lecture Series, October 1, 2015, Houghton, MI.\*
- Rudnicki, M. and R. Kobe (introduction by T. L. Sharik). 2015. The role of Michigan's academic institutions in the forest products sector. Governor's Forest Products Summit, October 28, 2015, East Lansing, MI.
- Sharik, T.L. and M. Rudnicki. 2015. Michigan Forest Biomaterials Initiative: Working to

create a renewable and sustainable future. Keweenaw Economic Development Alliance monthly meeting, November 11, 2015, Hancock, MI.\*

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Rudnicki, M., T. Sharik, and R. Kobe. 2016. ReFORGE Michigan: Renewable resources for a green economy. Zero Waste to Landfill Group, February 11, 2016, Grand Rapids, MI.\*

Sharik, T.L. and M. Rudnicki. 2016. Michigan Forest Biomaterials Initiative: Working to create a renewable and sustainable future. Presentation prepared for meetings with Michigan Congress people on Capitol Hill on March 8, 2016.

Rudnicki, M., R. Kobe, and T. L. Sharik. REFORGE Michigan. Sustainable Forestry Initiative training meeting, April 8, 2016, Wakefield, MI.

Sharik, T. L. 2017. The MiFBI story: Working to create a renewable and sustainable future. Michigan Forest Bioeconomy Conference, February 1, 2017, Grand Rapids, MI.\*

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Sharik, T. L. 2017. The MiFBI story: Working to create a renewable and sustainable future. Presentation given to U.S. Senator Debbie Stabenow, April 1, 2017.

Sharik, T. L. 2017. Michigan Forest Biomaterials Initiative: Working to create a renewable and sustainable future. Hunan Academy of Forestry, May 9, 2017, Changsha, China.\*

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- Sharik, T. L. 2017. Michigan Forest Biomaterials Initiative: Working to create a renewable and sustainable future. National Institute of Forest Science, May 26, 2017, Seoul, Republic of Korea.\*
- Rudnicki, M., R. Ross, T. L. Sharik, and L. Perez., *Wonders Of Wood*, Michigan Department of Natural Resources Outdoor Adventures Center, July 29, 2017, Detroit, MI.
- Rudnicki, M., R. Ross, T. L. Sharik, and L. Perez. *Wonders of Wood*, Maker Faire, Henry Ford Museum of American Innovation, July 30, 2017, Dearborn, MI.
- Rudnicki, M., R. Ross, T. L. Sharik, and L. Perez. *Wonders of Wood*. Greening of Detroit, July 31, 2017. (Presented to nearly 100 high school students in Detroit, MI)
- Sharik, T. L. and M. Rudnicki. 2018. Michigan Forest Bioeconomy. Presentation prepared for meetings with Michigan Congress people on Capitol Hill on March 5-6, 2018.
- Rudnicki, M. and T. L. Sharik. 2019. The Michigan Forest Biomaterials Institute and the circular economy. Society of American Foresters National Convention, October 31, 2019, Louisville, KY.

## **PUBLICATIONS**

### **Professional/Scientific Journals and Conference Proceedings (\*Non-refereed)**

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- Sharik, T. L. and B. V. Barnes. 1976. Phenology of shoot growth among diverse populations of yellow birch (Betula alleghaniensis) and sweet birch (B. lenta). Can. J. Bot. 54:2122-2129.
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- Sharik, T. L., R. A. Mead, K. D. Hough and R. A. Eastmond. 1979. The use of color infrared aerial photography in the delineation of wetlands vegetation in a Texas Gulf Coast watershed. p. 63-76. In Proc. Seventh Biennial Workshop on Color Aerial Photography in the Plant Sciences, University of California, Davis, May 15-17, 1979. p. 63-76.\*
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- Ross, M. S., T. L. Sharik and D. Wm. Smith. 1982. Age-structure relationships of tree species in an Appalachian oak forest in southwest Virginia. *Bull. Torrey Bot. Club* 109:287-298.
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