

## CURRICULUM VITAE

1/2/2020

**Jiquan Chen**, Professor  
AAAS Fellow (2010)  
ESA Fellow (2014)

Landscape Ecology & Ecosystem Science (LEES) Lab  
Center for Global Change and Earth Observations (CGCEO), and  
Department of Geography, Environment, and Spatial Sciences  
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### EDUCATION:

- Ph.D. (1991): Ecosystem Analysis, University of Washington, Seattle, Washington  
M.S. (1986): Forest Ecology, Chinese Academy of Sciences, Beijing & Shenyang, P.R. China  
B.S. (1983): Plant Ecology, Inner Mongolia University, Hohhot, P.R. China

### WORK EXPERIENCE:

- Professor, w/ tenure, Michigan State University (MSU), Lansing, Michigan (5/2014 – Present)
- Honorary Professor, Kazakh National Agrarian University (12/2017 – present)
- Director and Professor, IceMe, Nanjing University of Information Science & Technology, Nanjing, China (1/2013 – 12/2015)
- Professor, University of Toledo, Toledo, Ohio (2003 – 5/2014)
- Adjunct Research Professor, Institute of Botany, Chinese Academy of Sciences, China (2004 – 2008)
- Professor and Chair, Ecology Program, Fudan University, Shanghai, China (2004 – 2008)
- Adjunct Professor of Ecology, North Carolina State University, Raleigh, North Carolina (2004 – 2007)
- Associate Professor, University of Toledo, Toledo, Ohio (2001 – 2003)
- Bullard Fellow, Harvard University, Boston, Massachusetts (1999 – 2000)
- Associate Professor with tenure since 1998, School of Forestry & Wood Products, Michigan Tech University (MTU), Houghton, Michigan (1998 – 2001)
- Auxiliary Assistant Professor, College of Forest Resources, University of Washington (UW), Seattle, Washington (1993 – 2003)
- Assistant Professor, Landscape Ecology and Ecosystem Science (LEES), School of Forestry and Wood Products, Michigan Technological University, Houghton, Michigan (1993 – 1998)
- Adjunct Associate Professor, Beijing University, Beijing, P.R. China (1994 – 1998)
- Adjunct Ecologist, Institute of Applied Ecology, Chinese Academy of Sciences (1994 – 1997)
- Post-Doctoral Research Associate, Olympic Natural Resources Center, University of Washington (1991 – 1993) and Center for Streamside Studies (1992 – 1993), Seattle, Washington

### AWARDS & RECOGNITIONS:

- William J. Beal Outstanding Faculty Award (MSU) – 2020
- “Lifetime Achiever”, Marquis, 2017
- Fellow, Ecological Society of America (ESA) — 2014
- Distinguished University Professor, University of Toledo (UT), Toledo, Ohio 2011 (lifetime)
- Fellow, American Association for the Advancement of Science (AAAS) — 2011
- Norbert Gerbier-MUMM Award, 2011 as a Co-Author, World Meteorological Organization — 2011
- The Hexagon Education Contest Winner-2017 (Giannico et al. 2016)
- Faculty Excellence Award, College of Arts and Sciences, University of Toledo — 2010, 2011
- Wangkuancheng Award, Chinese Academy of Sciences — 2011

- First Prize for “Achievement in Higher Education”, Shanghai City — 2009
- Excellence in Summer Graduate Lectures, Fudan University, Shanghai, China — 2008
- Outstanding Service Award, Chinese Association of Greater Toledo — 2007
- Outstanding Faculty Research Award, University of Toledo, Toledo, Ohio — 2006
- Research Fellowship for Foreign Specialists, FFPRI, Japan — 10/24 – 10/29/2004
- Sigma Xi/Dion D. Raftopoulos Award, University of Toledo, Toledo, OH — 2004
- Research Expert, Korean Forest Service — 2003
- Charlie C. Bullard Fellowship, Harvard University, Cambridge, MA — 9/1/1999 – 8/30/2000
- “Most influential in the Development of My Scientific Career”, Intel Science, Talent Search — 1999
- Second Place for the Graduate Student Seminar, University of Washington, Seattle, WA — 1990
- Outstanding Graduate Student, Chinese Academy of Sciences — 1983 – 1987

#### **PROFESSIONAL SERVICE:**

- Editor in Chief: *Ecological Processes*, SpringerNature, (1/2016 – present)
- Editor in Chief: *Landscape Ecology*, book series, SpringerNature (8/2014 – Present)
- Editor in Chief: *Ecosystem Science & Applications*, Book Series, HEP-DeGruyter –MSU (5/2011 – Present)
- Editorial Board: *Frontiers in Forests and Global Change* (9/2018 – present)
- Editorial Board: *Expert Opinion on Environmental Biology* (5/2014 – Present)
- Editorial Board (member): *Agricultural and Forest Meteorology* (2012 – Present; 10/2006 – 2009)
- Editorial Board: *Ecological Processes* (6/2011 – 1/2016)
- Coordinating Editor: *Landscape Ecology* (5/2011 – Present)
- Editorial Board: *Vegetation of China* (3/22/2019 – present)
- Editorial Board: *Biosciences (BIOSCI)* (2/2010 – Present)
- Editorial Board (member): *Forest Ecology and Management* (9/2007 – Present)
- Editorial Board (member): *The Open Conservation Biology Journal* (10/2007 – Present)
- Editorial Board: *Journal of Plant Ecology* – UK (12/2004 – 9/2016)
- Chief Scientist: US-China Carbon Consortium (USCCC) (12/2003 – Present)
- Editorial Board: *Acta Ecologica Sinica* – Elsevier J. (1998 – Present)
- Editorial board: *Review of Global Change Research* (2010, 2009)
- Editorial Board: *Frontiers of Forestry in China*, HEP – Springer Press (10/2005 – 12/2009)
- Associate Editor: *SciTechnol* (8/2012 – 2013)
- Editorial Board: *Acta Applied Ecologica* (1997 – 2009)
- Special Issue Editor: *Journal of Integrative Plant Biology* (12/2007 – 7/2008)
- Guest Editor: Special Issue on USCCC, *Agricultural and Forest Meteorology* (10/2006 – 2/2008)
- Special Issue Editor: *Bioscience*, coupled human and natural systems-CHANS (2014)
- Special Issue Editor: *Landscape Ecology*, coupled human and natural systems (2013 – 2014), Chen and Liu
- Special Issue Editor: Environmental Research, human and natural systems-CHANS (2015-2016), Laforteza and Chen
- Special Issue Editor: *Forest Science* (2004 – 2005): Teakettle Ecosystem Studies
- Special Issue Editor: Environmental Research, Nature-based solutions (2016-2017), with Dr. Laforteza, Chen, et al.
- Special Issue Editor: *Agricultural and Forest Meteorology*, Carbon studies in ChEAS (7/2004 – 2/2007)
- Guest Editor: *Southeastern Naturalist* (5/2005 – 8/2005)
- Associate Editor: *Forest Science* (4/2001 – 3/2005)
- Special Issue Editor: *Forest Science* 50(3): Forest Canopies (2004)
- Editorial Board Member: TAMU China Database (2/2003 – 2004)
- Associate/Handling Editor (Ecology): *Journal of Integrative Plant Biology* (1/2007 – 12/2014)
- **Chair:** IUFRO Landscape Ecology Working Group (1/2005 – 12/2013)
- **President:** Chinese Association of Greater Toledo (2012; 1/2006 – 2009)
- President: Association of Chinese Faculty and Staff, University of Toledo (12/2008 – 2010)

- Public Interviews by the UX Designer, Springer Nature, UK, 9/19/18
- Panel Member: NASA Carbon Cycle (2013)
- Oversea Panel Member of Chinese Academy of Sciences (CAS): 2015-2018
- AGU Session Organizer, Session GC019: Environmental, socio-economic and climatic change in Northern Eurasia and their feedbacks to the Global Earth System (12/2012)
- Panel Member: NASA LCLUC (2007), Fellowship (2011) Panel member: NSF/ES (2011S, 2010F, 2009F)
- Panel Member: Ecosystem Studies Cluster, NSF (2011, 2010, 2009)
- Panel Member: Dr. K.C. Juan Scholarship (2010, 2009)
- Panel Member: NICCR/DOE Midwest Region (2007, 2006)
- Panel member: National Science Foundation of China (2014)
- Panel Member: EPA STAR/GRO Fellowships, Terrestrial Plant and Soils (2006, 2005, 2004)
- Panel Member: NASA IDS (2006)
- Panel Member: NASA LCLUC / USDA CSREES (2005)
- Panel Member: NASA NESSF (2012)
- Panel Member: External Advisory Panel, P.R. China Database, Texas A&M (5/2002 – 2/2003)
- Panel Member: Research Committee for Canadian Model Forests (1994 – 1998)
- Panel Member: NSF-CNH (2015, 2018)
- Panel, NASA IDS program (2016)
- Panel, NSF/INFEW (2019)
- Member of the Governing Committee for the Great Lakes Environmental Observatory Networks (GLACEO of NEON) (10/2005 – 2/2008)
- Judge, presentations at the 1026 IGLR annual meeting, Guelph, CA, June 6, 2016
- AGU Session (co-chair): PA42B Urban Sustainability at Multiple Scales: Convergence Toward What? (12/2019)
- AGU Session co-chair: (12/2019), B32B - Gas and Energy Fluxes from and into Inland and Coastal Waters in a Warming Climate.

#### **MEMBERSHIPS:**

- American Association for the Advancement of Science (1/2010 – Present)
- American Geophysical Union (AGU) (2005 – Present)
- National Association of State Universities and Land-Grant Colleges (NASULGC) (3/1999 – 2005)
- International Canopy Network (ICAN) (1995 – Present)
- *International Union of Forest Research Organizations (IUFRO)* (1992-present)
- Xi Sigma Pi (1989 – Present)
- SINO-Ecologists Club (1988 – Present)
- Ecological Society of America (1987 – Present)
- Society for Conservation Biology (1996 – 12/2009)
- Society of American Foresters (1993 – 2005)
- International Association for Landscape Ecology (1991 – 2005, 2009-2017?)
- Northwest Sciences (1998 – 2002)

#### **TEACHING:**

*Michigan State University, East Lansing, MI*

- GEO827: Guest lecture: applications of RS in ecosystem studies (2 hrs, 12/27/17)
- GEO874: Geography Seminar: Fluxes and GIS (4 credits, 2018S)
- GEO892: Environmental Biophysical Measurements and Instrumentation (3 credits, 2017F)
- GEO827: Digital Image Processing and Analysis (4 credits, 2015F), W/ Qi
- GEO873: Human-Environment, (3 Credits, 2016S), W/ Moran
- GEO892: Environmental Instrumentation (3 credits, 2017F)
- GEO886: Research Design in Geography (3 credits, 2018S)
- PLB 441: Guest lecture: water and energy budget in terrestrial ecosystems, Plant Ecology (10/30/14)

*University of Toledo, Toledo, OH*

- Guest lecture: water and energy budget in terrestrial ecosystems, PLB 441 Plant Ecology (10/30/14)
- Guest lecture: water management short course (Dr. Shi) (9/10/2014)
- EEES 6980/MATH 5780: Global Change Ecology (2013 S, 3 credits)
- EEES 6980/MATH 5780: Joint Seminar in Mathematical and Environmental/Biological Sciences (2012, 3 credits)
- EEES 6930/9030: Graduate Orientations (2007 – 2014, 1 credit)
- EEES 4750: Conservation Biology (2002 – 2014, 3 credits)
- EEES 5750: Advanced Conservation Biology (2002, 2004, 4 credits)
- EEES 6980-025: Current Issues in Eco- and Geo-Sciences (2002S, 2 credits)
- EEES 4760/6760: Landscape Ecology (2003S, 2005S, 4 credits)
- EEES 6660/8660: Biophysical Processes of Ecosystems (2002F, 3 credits)
- EEES 6960: Master's Thesis Research (2001 – 2014, variable credits)
- EEES 8960: Doctoral Dissertation Research (2001 – 2014, variable credits)
- Field Ecology Lectures: Community and Ecosystem at Ohio Wesleyan Univ. (2007, 2008)

*Michigan Technological University, Houghton, MI*

- FW3020: Forest and Landscape Ecology (2000 – 2001, 3 credits)
- FW5411: Analysis of Ecological Data II (2000 – 2001, 3 credits)
- FW5430: Advanced Landscape Ecology (2000 – 2001, 3 credits)
- FW5090: Biophysics and Ecosystem Processes (2000 – 2001, 3 credits)
- FW210: Forest Ecology, Michigan Technological University (1993F, 4 credits)
- FW221: Applications in Forestry Sciences, (1994F – 1995F, 2 credits)
- FW414: Ecological Modeling, (1997 – 1998)
- FW443: Landscape Ecology (winter, 1994 – 1998, 3 credits)
- FW543: Advanced Landscape Ecology (1994F – 2001F, 4 credits)
- FW509: Forest Microclimate and Measurements (1995S and 1997S, 3 credits)
- FW551A: Quantitative Methods for Spatial Data (1993F, 2 credits)
- FW551A: Computational Techniques for Spatial Data in Ecology (1994F, 2 credits)
- FW483: Integrated Forest Resource Management III (1995 – 1996)
- FW105: Introduction to Forestry and Wood Science (Guest lecture) (1994F, 1995F, 1998F)
- FW600: Doctoral Research in Forestry (1994 - 2001)
- FW500: Graduate Research in Forestry (1993 - 2001)
- FW482: Integrated Forest Resource Management II (Guest lecture) (1995S, 1996S)
- FW442: Wetland Ecology (Guest lecture) (1994S, 1995S, 1996S, 1997S)

*Harvard University, Cambridge, MA*

- LA5515: Landscape Ecology and Design (Guest lectures) (2000)

*University of Washington, Seattle, WA*

- FR443: Landscape Ecology, teaching assistant (1992, 4 credits)

**Graduate Students Advised - Thesis & Current Position**

1. **Park, Hogeun**, 2018. Urban Transformation in Transitional Economies: Lessons from the Mongolian Plateau. Ph.D., Michigan State University. Currently a Specialist at the World Bank, Washington, D.C.
2. **Su, Yahn-Jauh**. 2017. The carbon sequestration and soil respiration after land use conversion in biofuel cropping ecosystems. Ph.D., Michigan State University. Currently a Research Associate at KBS.
3. **Wu, Susie R**. 2016. Green buildings and green users: an assessment of using green building environments to communicate sustainability to users. Ph.D., Michigan State University. Currently a Postdoc at CGCEO.
4. **Zhu, Liuyan**. 2016. The influence of urban landscape structure on the spatiotemporal changes of PM2.5. M.S. Thesis, NUIST. Currently a Donghai navigation Safety Admin.

5. **Ouyang, Zutao.** 2015. Global Change and Ecosystem Characteristics: spatial/Temporal Variations and Key Climate/Biological Drivers of NEE and WSA in Three Distinct Ecosystems in the United States. Ph.D., currently a Postdoc at Standford University.
6. **Fan, Jiazhi,** Parameter optimization for improving poplar plantation simulation based on the measurement and modeling of stomatal behavior. IceMe-NUIST, 2015. (Co-Chair w/ Dan Wang).
7. **Chu, Hosen.** 2014. Response and Biophysical Regulation of Carbon Fluxes to Climate Variability and Anomaly in Contrasting Ecosystems. Ph.D. Currently a research Scientist at Lawrence National Lab.
8. **Han, Juanjuan.** 2014. Alterations of Grazing and Precipitation on Ecosystem Carbon, Water Cycling and Phenology in a *Stipa breviflora* Desert Steppe. Currently an Assistant professor at Southwest University, China.
9. **Xie, Jing.** 2012. The 7-year Variability of Carbon and Water Fluxes of an Oak-Dominated Forest in the USA. Ph.D. Currently a Research Scientist at Beijing Municipal Bureau of Landscape and Forestry.
10. **Deal, Mike W.** 2011. Net Primary Production in Three Bioenergy Crop Systems Following Land Conversion. M.S. Thesis. Currently a Research Manager at Ohio EPA.
11. **John, Ranjeet.** 2011. Effects of LCLUC on Ecosystem Functions in Semiarid Inner Mongolia. Ph.D., Currently an Assistant Professor at the University of South Dakoda.
12. **Gong, Chongfeng.** 2009. The Spatial-Temporal Characteristics of Urban Vegetation in Shenzhen. Ph.D. Thesis, Sun Yat-Sen University.
13. **Lu, Nan.** 2009. Regional Climate Change and Vegetation–Water Relations in Inner Mongolia Lessons Learned within the NASA Project “Effects of Land Use Change on the Energy and Water Balance of the Semi-Arid Region of Inner Mongolia, China”. Ph.D. Currently an Associate Professor at the Chinese Academy of Sciences.
14. **Schaefer, Jessica N.** 2009. The Effects of Inter-Annual Climate Variability on Butterfly Communities in a Heterogeneous Landscape of the Oak Openings Region, Northwest Ohio. M.S. Thesis.
15. **Xu, Jianye.** 2009. Interannual Dynamics of Soil Respiration in Managed Oak Forests in Missouri Ozarks. M.S. Thesis.
16. **Shao, Changliang.** 2008. Energy Balance of Three Typical Communities along Temperature Gradients in Inner Mongolia Steppe. Ph.D. Thesis, Institute of Botany, Chinese Academy of Sciences. Currently a Professor at the Chinese Academy of Agricultural Sciences, Beijing.
17. **Henderson, Rachel.** 2007. Soil Effluxes of Vertical Profiles at MOFEP Experiments. M.S. Thesis, University of Toledo. Currently a Research Associate at the Rocky Mountain Ecology Lab.
18. **Tenney, Gwendolyn H.** 2007. Quantifying the Effects of Prescribed Burning on Soil Carbon Efflux in an Ohio Oak Woodland. M.S. Thesis.
19. **Zhang, Wenli.** 2007. Carbon Fluxes of Typical Steppe and Cropland Ecosystems in the Agri-Pasture Transition Region of Inner Mongolia, P.R. China. Ph.D. Thesis, Institute of Botany, Chinese Academy of Sciences. Currently an Associate Professor of the Three Gorges University.
20. **LaCroix, Jacob Joseph.** 2006. Interactions between Fire and Landscape Structure: Applications of the FARSITE Model. Ph.D. Thesis, University of Toledo. Currently a Research Fisheries Biologist at NOAA.
21. **Li, Qinglin.** 2006. Carbon Storage and Fluxes in a Managed Oak Forest Landscape. Ph.D. Thesis, University of Toledo. Currently Research Scientist of Canadian Forest Service.
22. **Concilio, Amy L.** 2005. Interannual Variability in Soil Respiration and Response to Experimental Burning and Thinning in an Old Growth Mixed-Conifer Forest. M.S. Thesis, University of Toledo. Currently an Assistant Professor at St Edward's University.
23. **Ryu, Soungh-Ryoul.** 2005. Effect of Disturbances on Fuel Loading, Fire Spread, and Interactions in Managed Forest Landscapes. Ph.D. Thesis, University of Toledo. Currently an Assistant Professor at University of Alberta.
24. **Bresee, Mary K.** 2004. Photosynthetic Characteristics of Dominant Tree Species in Two Climatically Different Landscapes. M.S. Thesis, University of Toledo. Currently an Ecologist at USDA FS.
25. **Le Moine, James Michael.** 2004. Soil Respiration across Chronosequences of Three Dominant Forest Ecosystems in Northern Wisconsin, USA. M.S. Thesis, University of Toledo. Currently a Research Technician and Arizona State University (with Andrew Richardson).
26. **Rademacher, John A.** 2004. Forest Structure and Carbon Allocation Within and Between Two Northern-Mixed Hardwood Edges. M.S. Thesis, University of Toledo. Currently a Range Conservationist at the Humboldt-Lioyal National Forest, Nevada.
27. **Ma, Siyan.** 2003. Interactions between Microclimate, Soil Respiration, and Disturbances in a Forest

- Ecosystem: Lessons from the Teakettle Experimental Forest. Ph.D. Thesis, University of Toledo. Currently a Postdoctoral Research Associate in University of California – Berkeley (Dennis Baldochii).
28. **Euskirchen, Eugenie S.** 2003. Carbon Fluxes in Managed Forest Landscapes: An Empirical and Model-Based Approach. Ph.D. Thesis, Michigan Technological University. Currently an Associate Professor at the University of Alaska.
  29. **Gerdes, Lynden B.** 2001. A Contribution to the Flora of the Rove Slate Bedrock Complex Landtype Association, Northern Cook County, MN, USA. MS thesis, Currently a Botanist for Minnesota DNR (Co-Chair with M. Gale).
  30. **Jaiteh, Malanding.** 2000. The Dynamics of Human-Induced Land Cover Change in Miombo Ecosystems of Southern Africa. Ph.D. Thesis. Michigan Technological University. Currently a Research Professor at Columbia University, NY.
  31. **Watkins, Radley.** 2000. Road effects on understory vascular plants in a managed forest landscape. M.S. Thesis, Michigan Technological University. Project manager for bear monitoring at the Glacier National Park, MT.
  32. **Brosofske, Kimberley Dawn.** 1999. Relationships between understory vegetation and landscape structure across multiple spatial scales in northern Wisconsin. Ph.D. Thesis. Michigan Technological University.
  33. **Wanggsenthorn, Surachit.** 1999. Genetic diversity in isolated bird populations following recent rain forest fragmentation. MS thesis, Michigan Technological University.
  34. **Rudnicki, Mark.** 1998. Relations of climate and radial increment of western hemlock (*Tsuga heterophylla*) in an old-growth Douglas-fir forest in southern Washington. MS thesis, Michigan Technological University. Currently a Professor at Michigan Technological University.
  35. **Saunders, Sari C.** 1998. Multiscale relationships between landscape structure and function in a managed forest. Ph.D. Thesis. Michigan Technological University. Currently a Research Ecologist, Coast Forest Region, BC Ministry of Forests and Range, Canada
  36. **Song, Bo.** 1998. Three-dimensional forest canopies and their spatial relationships to understory vegetation. Ph.D. Thesis. Michigan Technological Univ. Currently an Associate Professor at Clemson Univ.
  37. **Brosofske, Kimberley Dawn.** 1996. Effects of harvesting on microclimate from small streams to uplands in western Washington. MS thesis, Michigan Technological University.
  38. **Silbernagel, Janet.** 1996. Dialectical sequences between culture and landscape ecological approach. Ph.D. Thesis. Michigan Technological University. Currently a Professor at the University of Wisconsin, Madison.

Others:

1. **Fan, Angel, 2013-2015**, incomplete
2. **Marshall, Treneice.** 1999-2001. Contributions of Wetland Ecotones to the Overall Species Diversity of a Northern Wisconsin Landscape. MS thesis, Michigan Technological University.
3. **Xu, Ming.** 1994-1996. Microclimate and Plant Diversity in Missouri Ozarks. Ph.D. Transferred to UC Berkley. Currently an Associate Professor at Rutgers University.

## SERVICE ON UNIVERSITY COMMITTEES

Graduate Committees:

- 1) Post-doctoral Research Associate Advisor  
 Dr. David Reed (9/2017 - Present), MSU  
 Dr. Zutao Ouyang (1/2018 – 7/2019), MSU  
 Dr. Fei Li (2/2017 – 8/2019), MSU  
 Dr. Susie R. Wu (9/2016 – Present), MSU  
 Dr. Michael Abraha (2013 – Present), UT & MSU  
 Dr. Changliang Shao (2012 – 2017), UT & MSU  
 Dr. Ranjeet John (1/2011 – 2018), UT & MSU  
 Dr. Mike Deal (6/2011 – 10/2012), UT  
 Dr. Terenzio Zenone (2/2009 – 12/2013), UT  
 Dr. Burkhard Wilske (1/2007 – 4/2010), UT  
 Dr. Karrin Alstad (5/2007 – 8/2009), UT

Dr. Jared Deforest (6/2004 – 8/2006), UT  
Dr. Xiaoli Cheng (10/2005 – 6/2006), UT  
Dr. Asko Noormets (9/2001 – 11/2006), UT  
Dr. Daolan Zheng (5/1998 – 5/1999, 10/2002 - 4/2006), MTU & UT  
Dr. Siyan Ma (8/2003 – 4/2004), UT  
Dr. Xinli Wang (4/1998 – 3/2000), MTU  
Dr. Sari Saunders (5/1998 – 8/2001), MTU  
Dr. Kim Brosofske (4/1999 – 8/2000), MTU  
Dr. Malanding Jaiteh (3/2000 – 8/2000), MTU

2) Current Ph.D. Students, Chair

Cheyenne Lei (8/2016 – Present), MSU  
Gabriela Shirkey (8/2017 – Present), MSU  
Pietro Sciusco (1/2018 – Present), MSU

3) Current M.S. Students, Chair

None

4) Doctoral Committee Member, excluding above

Md. Tajminur Rahman (1/2019 – 4/30/19), MSU  
Jay Devkota (9/2012 – 8/2014), Civil Engineering, UT  
Surachit Wanggsenthorn (9/2000 – 2001), MTU  
Jing Xie (9/2009 – 5/2012), Beijing Forestry University  
Chenlei Huang (8/2010 – 12/2011), Business, UT  
Jiangye Xu (8/2009 – 12/2011, transferred), UT  
Haiqiang Guo (8/2004 – 7/2010), Fudan University/UT  
Nan Lu (8/2005 – 8/2009), UT  
Michael Benedict, Ph.D. (5/2002 – 8/2009), UT  
Haixia Miao (9/2005 – 7/2008), Ph.D., Institute of Botany, Chinese Academy of Sciences  
Changliang Shao (9/2005 – 7/2008), Ph.D., Institute of Botany, Chinese Academy of Sciences  
Long Wei (10/2004 – 7/2008), Institute of Botany, Chinese Academy of Sciences  
Ran Jing (8/2006 – 5/2007), UT  
Yafeng, Bao (8/2005 – 6/2007), Ph.D., Institute of Botany, Chinese Academy of Sciences  
Wenli Zhang (10/2004 – 6/2007), Institute of Botany, Chinese Academy of Sciences  
Wen Cao (9/2005 – 12/2006), Ph.D., NC State University  
Yunjiang Gu (9/2004 – 6/2006), Fudan University (Co-Chair)  
Ilona Ilniczki (1/2004 – 8/2004), Incomplete, UT  
Tim Walters, Ph.D. (3/2003 – 5/2004), UT  
Steve Mather (5/2002 – 4/2004), Incomplete, University of Toledo  
Li Wu (9/2002 – 5/2003), Incomplete, UT  
Charlie Goebel (8/1997 – 5/2001), MTU  
Treneeice Marshall (6/1999 – 8/2001), Incomplete, MTU  
John Vucetich (1/1997 – 8/1999), MTU  
Hilary Alexis Londo (6/1997 – 6/1999), Incomplete, MTU  
Quanfa Zhang (9/1995 – 5/1998), MTU  
Alain Briot (4/1995 – 5/1997), Incomplete, MTU  
Conghe Song (9/1995 – 12/1997), Incomplete, MTU  
Eric Heitzman (1/1995 – 8/1997), MTU  
Jingkun Zhang, Ph.D. (11/1995 – 12/1995), MTU  
Guang Zhao, Ph.D. (9/1993 – 7/1994), MTU

5) M.S. Committee Members, exclusive of above

Rui Zhang (1/2020) - MSU  
Angela Fan (5/2013 – 5/2018), MSU  
Kimberly Panozzo (1/2013 – 5/2014), UT

Heather M. Thoman (8/2012 – 7/2014), UT  
Catherine Buchanan (11/2008 – 5/2010), UT  
Rachel Henderson (8/2005 – 5/2007), UT  
Gwen Tenney (5/2004 – 5/2007), UT  
Anne Sterns (8/2003 – 12/2006), UT  
Kris Barnswell (9/2003 – 8/2005), UT  
Xiaoshu Tang (1/2005 – 8/2005), Incomplete, UT  
Stanislav Nikolov (8/2005 – 12/2005), UT  
Jim Le Moines (9/2001 – 12/2004), UT  
Steve Mather (5/2004 – 9/2004), Incomplete, UT  
Kaushik Mysorekar (9/2001 – 5/2004), UT  
Bill Boelma (10/1995 – 7/2001), MTU  
Evan Kane (6/2000 – 5/2001), MTU  
Melinda Mosser (9/1996 – 5/1998), MTU  
Leslie Anne Jagger (9/1996 – 10/1997), MTU  
Christopher Nicolson (9/1995 – 5/1997), MTU  
Bradley A. Young (11/1994 – 12/1995), MTU  
Mary Jenkins (3/1994 – 3/1996), MTU  
Christian Ovanic (2/1995 – 12/1995), MTU  
Zhang Huayong (8/1994 – 7/1996), Beijing Normal University, P.R. China  
Xiaoqing Huang (9/1993 – 5/1994), MTU

Other Committee and Administrative Service (MTU, UT, MSU):

1. Committees

- Member, College Promotion and Tenure Committee (2019-2020), Coll of Soc Sci, MSU
- Member, Graduate Admissions Committee, DGESS, 2019-2020
- Chair, CGCEO Director's Review Committee (July-Aug, 2018)
- Member, SPG Reviewer (4), 10/11/16-present), MSU
- Member, Steering Committee of the FLUXNET (3/2007 – present), UT
- Member, Graduate Program Review Committee (2/2010 – 8/2014), UT
- University of Toledo's NEON Initiatives, Chair (8/2005 – 8/2014)
- Member, Search Committee for CNSM "Unix IT" Position (2012, 2011), UT
- Member, Search Committee for DES "Global Change" Position (2012, 2011), UT
- Member, Univ. Strategic Planning Committee, Co-Chair for Topic 3 (10/2009 – 3/2012), UT
- Member, UT Self Study for Accreditation (9/3/2009 – 3/2012), UT
- Chair, Mentors Committee, DES (9/2008 – 2011), UT
- Member, Merit Evaluation Committee, DES (9/2008 – 2011), UT
- Member, Advisory Committee for GBI (12/2008 – 2010), UT
- Chair, Association of Chinese Faculty and Staff (12/2008 – 2009), UT
- Member, Toledo-Lucas County China Task Force (3/2007 – 2009), Toledo, OH
- Member, NIST Proposal for UT's Science Facility (2009, 2008)
- Member, Outstanding Research Reviewing Committee (Spring, 2009, 2007), UT
- Member, Sigma Xi Research Award Committee (2009, 2006, 2005), UT Chapter
- Member, Ohio Scholarship Program (Summer, 2008)
- University Faculty Senate (8/19/2006 – 8/18/2008), UT
- Member, STEM2 — Liberal Arts Implementation Working Group (3/2007), UT
- Outstanding Research Award Committee, member (2007), UT
- Seminar Committee, Chair, EEES (1/2004 – 2005), UT
- Search Committee, Member, Watershed Ecologist (8/2004 – 3/2005), UT
- UT Energy Strategy Task Force to Representative Marcy Kaptur (9/2004 – 2/2005)
- Chair, Computer Committee, EEES (10/2002 – 2004), UT
- Member, Strategic Planning Committee (RJY) (5/2003 – 5/2004), UT

- Member, Search Committee for 2 plant ecologists, EEEES (5/2002 – 3/2003), UT
- Member, Search Committee for database manager at LEC, EEEES (10/2002 – 05/2002), UT
- Member, Search Committee for Geoscientist, EEEES (10/2001 – 2/2002), UT
- Member of the test group for the Vision Funds (6/2001), MTU
- Multi-disciplinary Sigma Xi student Research Colloquium Judge (2001, 1997, 1994), MTU
- Assessment Committee (9/2000 – 8/2001), MTU
- Continuous Improvement of Academic Advising (8/1998 – 8/2001), MTU
- Scholarship Committee (1994 – 8/2001), MTU
- Member, “Leadership Program” (Spring, 1996), MTU
- MTU Initiative for the Environment (1/1995), MTU

2) Other Committees

- Tenure and Promotion Committee, Chair in 2000, MTU (8/1998 – 5/2001)
- Representative of Ecological Society of America (ESA) to IUFRO – Strategic Planning Subcommittee (2011 – 2014)
- Board Member, The Chinese School, Toledo, OH (10/2009 – 9/2012)
- Member, Asian Services in Action (ASIA) Scholarship Committee, OH (1/2009 – 12/2010)
- Member, Scientific Committee, IUFRO Landscape Ecology Working Group International Conference, Bragança, Portugal (11/2008 – 10/2010)
- Member, Scientific Committee, International Conference on Forests and Water, Raleigh, NC (1/2009 – 9/2009)
- Symposium Organizer, EcoSummit, Beijing, P.R. China (2007)
- Member, Organization Committee for the 2006 IUFRO Workshop, Italy (9/23 – 9/26/2006)
- Judge, Northwest Ohio District Science Day, Toledo, Ohio (3/18/2006),
- Member, Organization Committee for the 2004 IUFRO Workshop, Japan (10/2003 – 10/2004)
- Member, Organization Committee for the 2005 International Carbon Symposium, P.R. China (6/2004 – 7/2004)
- Member, Organization Committee for the 4th IALE-China Meeting, Beijing, P.R. China (5/2003 – 12/2003)
- Ford Forestry Management and Research Committee, MTU (9/1997 – 5/2001)
- Scholarship Committee, Chair, MTU (6/1995 – 7/2001)
- Member, Search Committee for the Dean, SFWP, MTU (9/2000 – 5/2001)
- Chair, Assessment Plan for the SFWP Committee, MTU (Spring, 1996)
- Member, Search Committee for the System Administrator for SFWP, MTU (Spring 1996)
- Chair, Computer Committee, Chair 1996, MTU (9/1994 – 1996)
- Curriculum Committee, Chair in 1996, MTU (9/1993 – 1996)
- “Applied Ecology and Environmental Studies” Program, MTU (1995)
- Initial Search Committee for Wildlife Ecology Position, MTU (1994)

3) Other Service

- Judge, W OH NSDA National Qualifier (Speech and Debate) (2/18/17)
- Session Co-Chair (J. Chen and M. Kappas): Landscape dynamics across the drylands of Eurasia: People, societies and Ecosystem, 3<sup>rd</sup> Open Sci. Meeting, GLP (10/27/2016)
- Judge, OHSSL, Notre Dame Academy (11/21/15)
- Co-Organizer (Laforteza & Chen), Human and Ecosystem response to Global Change, Ostuni, Italy (10/16 – 10/18/2014)
- Webmaster, Ecological Society of America (ESA), (<http://research.eeescience.utoledo.edu/lees/IUFRO/>) (5/2000 – 4/2013)
- Member, Scientific Committee for the “Regional Forest Responses to Environmental Change” A Traveling Workshop in Massachusetts, New Hampshire and New York, US (7/2005 – 10/2006)
- Session Chair, 3<sup>rd</sup> IUFRO Landscape Ecology Workshop, St. Marie, CA (5/11/2002)
- Sub-committee Chair, Global Climate Change White Paper (10/2001 – 12/2002)
- Leader, SCB Delegation to P.R., China (9/28 – 10/4/2000)

- Chair, International Relationship Committee, ESA (1996 – 1999)
- Board of Directorates and editorial board for the Sino-Eco Newsletter (1990 – 1994)
- Chair, Faculty Advisor for MTU Chapter (1997 – 1998)
- Chair, Asian Ecology Section (1995 – 1996)
- Member, International Relationships Committee, Chinese Ecologists Overseas (1993 – 1996)
- Session Chair, 2<sup>nd</sup> IUFRO Landscape Ecology Workshop, Corvallis, Oregon (5/1996)
- Reviewer for ESA's the Buell/Braun Awards: 20 applications (6/5/2015)
- Student Award Judge (1993), Society for Conservation Biology (SCB) (1993)
- Judge, Student poster at AGU 2019

## **REVIEWER FOR ACADEMIC AND PROFESSIONAL PUBLICATIONS**

### **1) Professional Journals**

- *Achieves of Environmental Contamination Toxicology* (AECT): 1/3/2010
- *Acta Ecologica Sinica*: 10/14/2009
- *Acta Oecologia*: 11/2/2004
- *Advances in Atmospheric Sciences*: 1/23/2009, 3/25/2013
- *Agricultural and Forest Meteorology*: 4/2000, 7/26/2000, 10/3/2001, 4/24/2002, 8/31/2007, 9/4/2007, 9/12/2007, 10/1/2007, 12/12/2007, 1/25/2008, 2/16/2009, 4/10/2009, 6/15/2009, 10/16/2009, 11/19/2009, 1/4/2010, 1/18/2010, 3/11/2010, 4/9/2010, 7/7/2010, 7/8/2010, 8/8/2010, 10/5/2010, 12/28/2010, 1/26/2011, 3/14/2011, 8/9/2011, 8/9/11, 8/9/2011, 11/2/2011, 11/20/2011, 1/19/2012, 3/12/2012, 4/12/2012, 5/24/2012, 7/8/2012, 9/25/2012, 10/29/2012, 1/24/2013, 2/12/2013, 3/25/2013, 5/30/2013, 7/9/2013, 9/7/2013, 10/8/2013, 1/21/2014, 4/21/2014, 4/22/2014, 6/30/14, 7/1/14, 4/6/15, 8/16/15, 12/12/15, 1/25/16, 5/2/2016, 8/12/2016, 9/26/2016, 11/16/2016, 3/20/2017, 6/29/17, 7/21/17, 8/29/17, 8/30/17, 10/6/17, 11/3/17, 1/15/2018, 2/6/2018, 4/25/2018, 8/6/18, 8/6/18, 8/6/18, 9/24/18, 9/25/18, 9/26/18, 9/27/18, 11/13/18, 12/30/2018, 2/26/19, 6/6/2019, 9/30/19, 10/12/19, 11/10/19, 12/19/19, 12/19/19 (2), 1/22/2020,
- *American Midland Naturalist*: 11/1995
- *Applied Geography*: 2/6/2018
- *Applied Vegetation Science*: 12/10/2007
- *Arctic, Antarctic, and Alpine Research*: 10/25/2003
- *BioScience*: 2/24/2003, 11/3/2017
- *Bulletin of the Torrey Botanical Club*: 8/1994
- *Canadian Journal of Forestry Research*: 7/1999, 7/20/2000, 8/21/2001, 1/22/2004, 5/20/2004, 1/23/2006, 12/12/2007, 3/2/2012
- *Conservation Biology*: 5/1993, 11/1995, 4/1996, 9/1997, 7/10/2007
- *Conservation Ecology*: 2/4/2003, 7/17/2003
- *Ecohydrology*: 7/12/2010, 11/20/11, 10/31/2013; 5/21/15; 2/1/16
- *Ecological Applications*: 4/1994, 4/1997, 12/1998, 8/1999, 2/19/2001, 5/19/2003, 12/30/2004, 9/30/2005, 8/7/2017, 12/27/17
- *Ecological Indicators*: 10/3/2016
- *Ecological Modelling*: 1/30/2006, 1/31/2007
- *Ecological Processes*: 6/1/2019,
- *Ecological Research*: 12/20/2004, 7/24/2006
- *Ecology/Ecological Monograph*: 4/2000, 7/18/2007, 3/31/2008, 11/9/2011
- *Ecoscience*: 11/3/2000
- *Ecosystems*: 8/15/2000, 8/18/2000, 9/18/2000, 9/22/2000, 9/2/2004, 4/13/2009, 8/24/2009, 2/28/2013
- *Elsvier*: Book proposal on Microclimate (10/20/19)
- *Environmental and Experimental Botany*: 12/20/2006
- *Environmental Management*: 11/26/2002, 8/18/2004
- *Environmental Pollution*: 5/22/2001, 10/25/2001

- *Environmental Research Letters*: 2/28/2013, 10/8/2013, 3/18/2014, 6/30/14, 9/25/18, 2/26/19, 11/19/19,
- *Environmental Research*: 3/20/2015, 9/2/15
- *Forest Ecology and Management*: 9/1997, 2/21/2001, 6/14/2001, 8/23/2004, 11/2/2004, 12/22/2004, 2/28/2005, 8/19/2005, 9/26/2005, 12/21/2005, 3/21/2006, 3/29/2006, 7/25/2006, 8/29/2006, 5/3/2007, 7/11/2007, 7/13/2007, 8/31/2007, 9/1/2007, 10/15/2007, 1/22/2008, 1/23/2008, 1/28/2008, 2/15/2008, 9/8/2008, 9/10/2008, 1/23/2009, 1/24/2009, 3/21/2009, 4/10/2009, 6/12/2009 (4), 6/26/2009, 8/20/2009, 10/16/2009, 7/5/2010, 7/6/2010, 8/27/2010, 1/31/2011, 6/24/2011, 8/9/2011, 9/19/2011, 1/11/2012, 10/29/2012, 2/12/2013, 8/12/2013, 9/7/2013, 3/17/2014, 11/26/14, 1/28/15, 7/7/15, 11/6/15, 9/20/16, 11/17/2016, 5/30/17, 6/5/217, 1/2/2019, 6/4/2019, 10/12/19,
- *Forest Science*: 10/1994, 9/1998, 7/1999, 8/24/2001, 9/18/2001, 11/14/2001, 12/6/2001, 3/18/2002, 3/26/2002, 4/21/2002, 5/1/2002, 5/15/2002, 6/5/2002, 6/19/2002, 6/20/2002, 8/31/2002, 10/1/2002, 10/22/2002, 12/28/2002, 2/16/2003, 6/27/2003, 7/14/2003, 10/22/2003, 9/2/2004, 7/16/2007, 1/25/2009, 8/21/2009, 3/10/2010, 1/3/2011, 7/27/14
- *Forests*: 3/3/2017
- *Frontiers in Ecology and the Environment*: 9/30/2005, 5/4/2007
- *Frontiers in Forests and Global Change*
- *Global Change Biology*: 9/24/18
- 3/28/2006, 8/289/2006, 10/29/2006, 9/2/2007, 1/5/2009, 3/16/2011, 4/30/2012, 8/12/2013, 8/12/2016
- *Hort Technology*: 1/2000
- *International Journal of Biometeorology*: 5/14/18
- *IUFRO-Chile Conference special issues*: 7/16/2012 (2)
- *Journal of American Society for Horticultural Science*: 4/28/2005
- *Journal of Applied Ecology*: 3/1996
- *Journal of Applied Meteorology*: 12/4/2004
- *Journal of Arid Environments*: 5/1999
- *Journal of Biogeography*: 7/9/2007
- *Journal of Ecology*: 11/1998
- *Journal of Forest Research*: 10/11/2010
- *Journal of Forestry*: 1/23/2009
- *Journal of Geophysical Research*: 12/19/2007, 5/13/2013, 8/17/14, 8/15/15, 9/9/15
- *Journal of Photogrammetry and Remote Sensing*: 5/21/15
- *Journal of Integrative Plant Biology*: 4/30/2007, 10/21/2009
- *Journal of Plant Ecology*: 11/19/2006, 3/25/1016, 5/21/2016, 8/26/106, 9/1/2016
- *Journal of Resources and ecology*: 11/7/2018
- *Journal of Soil and Water Conservation*: 1/15, 5/13/2002
- *Journal of the Arkansas Academy of Science*: 7/8/2010
- *Journal of Tropical Forest Science*: 10/1995
- *Journal of Vegetation Science*: 1/1996, 2/1996, 12/30/2004
- *Journal of Wildlife Management*: 11/1994
- *Land Use Policy*: 6/13/18, 9/15/18
- *Landscape and Ecological Engineering*: 11/20/2011, 9/16/15
- *Landscape and Urban Planning*: 1/24/2005, 12/20/2005, 2/3/2006, 5/12/2006, 10/8/2008, 11/2/2008, 4/6/2009, 6/10/2009, 7/27/14, 6/14/17, 4/5/19,
- *Landscape Ecology*: 4/2000, 1/22/2001, 7/15/2002, 3/8/2003, 10/26/2003, 1/7/2004, 1/17/2005, 5/24/2005, 8/17/2009, 1/19/2010, 4/22/2013, 11/12/2013, 2/11/2014, 9/30/14, 4/4/15, 12/28/17, 11/21/19, 2/17/20,
- *Limnology & Oceanography*: 10/2/14
- *Natural Areas Journal*: 10/1996, 12/1996, 8/1998
- *Nature - Sustainability*: 4/5/2019, 1/20/2020,
- *New Phytologist*: 1/29/2018

- *Northern Journal of Applied Forestry*: 10/14/2006
- *Northwest Science*: 4/1992
- *Open Conservation Biology Journal*: 1/7/2010, 11/19/2011
- *Pedosphere*: 6/23/2005
- *Plant Ecology*: 8/2000, 8/28/2001
- *Remote Sensing of Environment*: 6/7/2006, 7/30/2008, 4/7/15
- *Remote Sensing*: 9/9/2014, 12/19/16, 12/19/17, 2/23/18
- *Restoration Ecology*: 11/4/2000, 3/19/2009
- *Revista Chileana de Historica Natural*: 3/25/2002
- *Science of the Total Environment*: 8/24/2007, 1/5/2010, 10/6/17, 2/26/18
- *Scientific Report*: 11/15/16
- *Springer, Book proposal (Spatial Ecology)*, 1/25/16
- *Soil Science Society of America Journal*: 1/27/2011
- *Tree Physiology*: 2/4/2001, 5/18/2001, 12/13/2001, 9/11/2006
- *Urban Forestry and Urban Greening*: 10/11/2010, 1/18/2011, 9/18/2012, 6/12/15; 6/7/16
- *Water, Air, and Soil Pollution*: 12/1994
- *Wetland Ecology and Management*: 10/26/2009

## 2) Books and Book Chapters

- *Forest Ecology* by J.P. Kimmings, 3<sup>rd</sup> Edition, Prentice-Hall, Inc.: 11/3/2000
- *Book/chapter*, by Birdsey et al, Academic Press: 2009
- McGraw Hill Companies, (4 Chapters) anonymous reviewer : 9/2/2000
- *Forest fragmentation in the S. Rocky Mountains* by Knight et al.: 3/1998
- *Conservation Biology* (Book) by Van Dyke: 1/2/2007
- *Forest Landscape Ecology: Transferring Knowledge to Practice* by Perera et al.: 1/12/2005
- *A New "Journal of Ecological Management"*, Higher Education Press: 1/31/2011
- *Learning Landscape Ecology*, Springer-Verlag: 6/1999
- *Scaling in Ecology*, by Wu et al.: 5/19/2003
- *C management*, Springer: 03/29/2005, 2/8/2008
- *Studying for Edge Effects* (Chapter) by Voller: 3/1996

## 3) Foundation Proposals

- American Association for the Advancement of Science (AAAS): 3/11/2002
- Austrian Science Fund: 5/2010
- Black Well Science (Conservation Biology): 6/6/2004
- Chinese Academy of Sciences: IAE @ 03/08/2018
- Chinese Natural Science Foundation (NSFC): 5 proposals on 5/11/2009, 5 proposals on 5/14/2011, 4 on 5/10/2012, 6 on 5/6/2013, 4 on 4/12/2014, 4 on 5/16/15; 5/6/16; 5/6/16; 8 proposals on 4/19/2018
- Clemson University Experimental Station: 1/2/2004
- Columbia University Press: 11/27/2002
- Competence Center Environment and Sustainability (Europe CCES): 3/25/2007
- Czech Science Foundation: 10/24/2012
- Earthwatch proposal: 8/1998, 9/1998, 5/22/2001
- Ecological Society of America symposium proposal (29): 11/1998
- Ecological Stewardship Project: 3/1997
- Elsevier Science: 8/22/2002
- Florida Native Plant Society (FNPS): 3/22/2010
- Foreign Agricultural Service (FAS) USDA: 9/1998
- Fudan University: Chung Kong Scholarships 5/2/2005
- Leopold Center for Sustainable Agriculture: 12/1/2009
- Louisiana Board of Regents' Research Competitiveness Subprogram: 1/10/2010
- Maryland Sea Grant: 5/15/2011

- NASA EOS: 7/10/2003, 7/11/2003, 08/2008/2007(2), 9/30/2010 / 4/2011
  - National Institute for Global and Environmental Change (NIGEC): 11/1998, 11/12/2001, 9/29/2002, 10/2/2002, 5/30/2003, 1/4/2007, 9/10/2007, 9/10/2008
  - National Science Foundation: 3/1996, 7/1997, 10/1998, 3/1999, 10/2000, 3/27/2001, 8/24/2001, 8/19/2001, 3/18/2002, 3/25/2002, 6/5/2002, 8/30/2002, 4/2/2003, 9/19/2005, 3/4/2007, 10/20/2008, 9/10/2009, 9/30/2010, 10/4/2010, 3/2011, 10/1/2012, 6/8/2013, 1/6/15 (PIRE); 1/6/15 (PIRE), 1/6/15 (Arctic), 3/4/15; 10/11/17 (DEB), 10/11/17, 10/12/17; 9/30/19,
  - National Sciences and Engineering, Research Council of Canada: 8/11/2006, 6/30/14
  - National Office for Science and Technology Awards (China): 6/15/15
  - NOAA-SBIR: 3/23/2010, 3/24/2010
  - Prentice Hall: 8/18/2006 (Kareiva and Marvier proposal)
  - Research Grant Concil: 3/26/2019 (2 proposals)
  - SESYNC Proposal: 12/30/2014
  - State Natural Science Award: 8/3/16, 8/3/16, 8/10/16
  - Sustainable Forest Management Network, Canada: 12/1998, 2/2000, 1/24/2001, 1/21/2002
  - Sustainable Michigan Endowed Project: 12/6/2004
  - Texas Agricultural Experiment Station proposal: 5/1996
  - University of Wisconsin-Madison, Hatch, and MS Program: 10/27/2003
  - Urban Forestry & Urban Greening: 12/21/19,
  - USDA NRICGP: 3/1996, 1/1997, 1/1997, 4/1998, 3/1999, 3/26/2001, 3/29/2001, 3/18/2002, 3/13/2002, 3/23/2002, 5/5/2005, 5/3/2007
  - USDA Agriculture and Food Research Initiative (AFRI) Plant Growth and Development: 7/15/15
- 4) Special Events, Conferences, and National Organizations
- Bylaw Revision Committee for SINO-ECO Club: 1996
  - Central Hardwood Forest Conference Proceedings (GTR): 1/9/2010
  - Chair/Organizer, International Conference on Forest Landscape and Management, Chengdu, P.R. China: 9/15-22/2008
  - Chair/Organizer, LCLUC/NASA workshop in drylands, Kaifeng, China: 2011
  - Co-Convenor ESA Session on "Understanding the Influence of Ecosystem Structure on Function: Honoring the Enduring Impact of Dr. Jerry Franklin on Forest Ecology" (OOS-24), The 97th Annual ESA Meeting, Portland, OR: 8/8/2012
  - Ecology Committee Member of NASULGC (National Association for State Universities and Land-Grant Colleges): 3/1999 – Present
  - ESA symposium organizer: 1993, 1995, 1996, 2002
  - Hemlock Conference Proceedings: 2/1996
  - Member of Ecology Sub-Committee for National Scientific and Educational Development, P.R. China: 1995
  - North Central Technical Committee on Riparian Buffer Zone Management: 1994 – 2001
  - Planning Committee member for "Sustainable Forests -- Integrating the Experience", International Conference on Implementing Ecosystem Management, Sault Ste. Marie, Canada: 1995
  - Program Committee Member for ESA Annual Meeting: 1996, 1998
  - Research Committee for "Prince Alberta Model Forest", Canada: 1994 – 1996
  - Review for USDA FS Working Unit (NE-4153): 3/2003
  - Review for USDA Forest Service Personal Promotions: 1999, 2002, 2006, 2007, 2008
  - Session Chair (140) at the ESA Annual Meeting, Montreal, Quebec, Canada: 8/6-11/2005
  - Session Chair for IUFRO Landscape Ecology Workshop "Perspective from Other Institutional and Geographic Sectors", Corvallis, OR: 10/2/1996
  - Session Chair for IUFRO Landscape Ecology Workshop, Corvallis: 10/2-4/1996
  - USDA FS General Technical Report (NC): 8/29/2002
  - Workshop organizer (WSHP 14), Annual Meeting of the ESA, Montreal, Quebec, Canada: 8/6-11/2005
  - Judge: Two candidates for the 2015 Buell and Braun Awards of ESA, 8/11/15, ESA annual meeting

5) University and Academics:

- Delegation member to Northeastern Forestry University, P.R. China: 8/1994
- Ford Forestry Center Management Plan, MTU: 1995 – 8/2001
- Review for a promotion package at University of New Hampshire: 12/27/2014
- Review for Global Change Position, Fudan University: 5/2011
- Review for Promotion (full prof), Ohio State University: 8/2017
- Review for Tenure and Promotion, Binghamton University: 12/2005
- Review for Tenure and Promotion, Ohio University: 4/2007
- Review for Tenure and Promotion, Oklahoma State University: 11/25/2013
- Review for Tenure and Promotion, Oklahoma State University: 12/9/2012
- Review for Tenure and Promotion, University of Nevada: 8/2008
- Review for Tenure and Promotion, University of New Hampshire: 11/3/2011
- Review for Tenure and Promotion, University of Wisconsin: 1/6/2014
- Review for two Promotions, Eastern Normal University: 1/9/2016
- Review for two Promotion, University of North Texas, 8/17/2016
- Review for a Promotion, Purdue University, 8/19/2018
- Review for a Tenure & Promotion, University of Iowa, 10/30/2018
- Review for a Tenure & Promotion, Michigan Tech University, 1/3/2019

**OTHER INVOLVEMENT:**

- 3/20/2010: Judge for the “2010 Midwest Graduate Research Symposium” at University of Toledo.
- 12/28/2009: Assisted high school student Nicholas Labardee on biomass and energy science project.
- 2/25-3/30/2019: Host of a highscholl student (Yangyang – St John J Highschool) for Intern Experience at LEES Lab.
- Nominations: Gariela Shirkey (hompson Endowment Award and a Research Scholars Award – 2018, successful); Cheyenne Lei (LTER Fellowship – 2018, successful), Piero Sciu (IALE travel – successful); NSF Fellowship – successful, 2019).

**PUBLICATIONS**

**BOOKS AUTHORED**

- 1) Gutman, G., **J. Chen**, G., Henebry (Eds.). 2020. Landscape Dynamics of Drylands across Greater Central Asia: People, Societies, and Ecosystems.
- 2) **Chen, J.** 2020. Biophysical Models and Applications in Ecosystem Analysis. HEP and MSU Press. (to be published in 2020).
- 3) Bhardwaj, A. K., Zenone, T., and **Chen, J.** (Eds.) 2015. Sustainable Biofuels: An Ecological Assessment of Future Energy. De Gruyter, 346pp.
- 4) **Chen, J.**, Wan, S., Henebry, G., Qi, J., Gutman, G., Sun, G., and Kappas, M. (Eds.) 2013. Dryland East Asia (DEA): Land Dynamics Amid Social And Climate Change. HEP and De Gruyter, 470 pp.
- 5) **Chen, J.** and Yang, S. (Eds.) 2014. Methods for Terrestrial Ecosystem Studies. Higher Education Press 362 pp.
- 6) Li, C., Laforteza, R., and **Chen, J.** (Eds.) 2010. Landscape Ecology in Forest Management and Conservation. HEP and Springer, 424pp.
- 7) Laforteza, R., **Chen, J.**, Sanesi, G., and Crow, T. R. (Eds.) 2008. Patterns and Processes in Forest Landscapes. Springer-Verlag. 425pp.
- 8) **Chen, J.**, Liu, S., Lucas, R., Sun, P., Laforteza, R., and Delp Taylor, L. (Eds.) 2008. Landscape Ecology and Forest Management: challenges and solutions. The Proceedings of the International Conference of IUFRO8.01.02. Chengdu, P.R. China. 192pp.
- 9) Gu, B., Wu, J., Wu, Y., Dong, Q., and **Chen, J.** (Eds.) 2008. Green Career – poem and essay collection written by Chinese Ecologists overseas. Higher Education Press, 171pp.

- 10) **Chen, J.**, Saunders, S.C., Brosofske, K.D., and Crow, T.R. (Eds.) 2006. Ecology of Hierarchical Landscapes: from Theory to Application. Nova Science Publishers, 311pp.
- 11) **Chen, J.**, Li, B., Ma, Z., and Zhao, B. (Eds.) 2005. Challenges Facing Ecologists: Questions and Approaches, Higher Education Press, Beijing, P.R. China. 244pp.
- 12) Dong, Q. and **Chen, J.** 2002. Nature's Giving. Fujian Education Press, Fuzhou, P.R. China. 192pp.

#### **EDITED SPECIAL ISSUES**

1. Liu, Y. and **J. Chen**. Water-energy-carbon fluxes over terrestrial water surfaces. *JGR-Atmospheres, JGR-Biogeosciences*, and *JGR-Earth Surface* (2019-2020)
2. Fan, P., **J. Chen**, and J. Wu. Evolving Landscapes under Institutional Change, Globalization, and Cultural Influence in Contrasting Urban Systems. *Landscape and Urban Planning*, 9/2016-12/2017; <http://www.journals.elsevier.com/landscape-and-urban-planning/news/call-for-papers-special-issue-on-evolving-landscapes>
3. Laforteza, R., **J. Chen**, C. Konijnendijk, and T. B. Randrup. 2017. Nature-Based Solutions (NBS): A New Call for Sustainable Urbanization. *Environmental Research*.
4. Laforteza, R., and **Chen, J.** 2016. The provision of ecosystem services in response to global change: Evidences and applications. *Environmental Research* 147: 576-579. <http://www.sciencedirect.com/science/journal/00139351/144/part/PB>
5. **Chen, J.** 2015. Coupled Human and Natural Systems (CHANS). *BioScience*. 65: 539-540.
6. **Chen, J.** and Y. Liu. 2014. Coupled natural and human systems: a landscape ecology perspective. *Landscape Ecology* 29.
7. Xiao, J., **Chen, J.**, Davis, K. J., and Reichstein, M. 2011. Advances in Upscaling of Eddy Covariance Measurements of Carbon and Water Fluxes. *Journal of Geophysical Research–Biogeosciences*. <http://onlinelibrary.wiley.com/doi/10.1029/2011JG001889/full>
8. **Chen, J.**, Gao, H., and Waring, R. 2011. Plant and Water Relations. *Journal of Plant Ecology* 4 (1-2).
9. Heckathorn, S., and **J. Chen**. 2008. Plant responses to climate change. *Journal of Integrative Plant Biology* 50(11).
10. **Chen, J.**, Davis, K.J., and Meyers, T.P. 2008. Ecosystem-atmosphere carbon and water cycling in the temperate northern forests of the Great Lakes Region. *Agricultural and Forest Meteorology* 148(2).
11. North, M. and **Chen, J.**, 2005. Sierra mixed-conifer research. *Forest Science* 51(3).
12. Parker, G. and **Chen, J.** 2004. Canopy research. *Forest Science* 50(3).

#### **JOURNAL ARTICLES**

Citations at Publons (Web of Science): <https://publons.com/researcher/1700310/jiquan-chen/>  
 Citations at Google Scholar: <http://scholar.google.com/citations?user=fv8umPcAAAAJ&hl=en>  
 Citations at Researchgate: [https://www.researchgate.net/profile/Jiquan\\_Chen](https://www.researchgate.net/profile/Jiquan_Chen)  
 Citation at SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=8985856500>

#### Submitted

1. Shao, C., **J. Chen**, C.A. Stepien, H. Chu, Z. Ouyang. Intra- and inter-annual dynamics of evaporation over western Lake Erie. *Journal of Geophysical Research – Biogeoscience* (in review)
2. Helbig, M. , ... **J. Chen**, et al. Peatland-dominated boreal ecoregions at risk of drying in a warmer climate. *Nature* (2<sup>nd</sup> revision)
3. Dahlin K. M., D. Akanga, D.a L. Lombardozzi, D. E. Reed, G. Shirkey, C. Lei, M. Abraha, and **J. Chen**. Challenging a global land surface model in a local socio-environmental system. *Journal of Geophysical Research – Biogeoscience* (in review)
4. Liu, YB, and **J. Chen**. Rapid Shift of Polarized Lake Extremes: SocioEnvironmental Causes and Consequences. *Nature-Communication* (submitted on 12/2/2019)
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- 54 Xu, Y., Y., L. Gao, G. Qiao, and **J. Chen**. 2015. To Fence or Not to Fence? Perceptions and Attitudes of Herders in Inner Mongolia. *Proceedings of the Trans-disciplinary Research Conference: Building Resilience of Mongolian Rangelands*, Ulaanbaatar Mongolia, June 9-10, 2015.
- 53 Amartuvshin, A., Y. Zhang, and **J. Chen**. 2015. How does Local Mining Impact on Rural Immigration: Case of Mongolia. *Proceedings of the Trans-disciplinary Research Conference: Building Resilience of Mongolian Rangelands*, Ulaanbaatar Mongolia, June 9-10, 2015.
- 52 Amartuvshin, A., Y., **J. Chen**, 2015. How does local mining impact on rural immigration: A case of Mongolia", proceedings of Building Resilience of Mongolian Rangelands: A trans-disciplinary research conference, Ulaanbaatar Mongolia, June 9-10, 2015.
- 51 **Chen, J.** 2015. Book Review on "Large-scale conservation in the common interest" (S.G. Clark, A.M. Hohl, C.H. Picard, and E. Thomas, eds). Choice: 4
- 50 **Chen, J.** 2014. It's Time to Bring People into Ecosystem Studies. *Sino-Eco Newsletter* 27(3): 6-7.
- 49 **Chen, J.** 2014. Book Review on "Ecoregions: The Ecosystem Geography of the Oceans and Continents" (R. G. Bailey) Choice, 12.
48. **Chen, J.** 2014. Book Review on "Challenges and opportunities for the world's forests in the 21<sup>st</sup> century" (T. Fenning, Ed.) Choice.

47. **Chen, J.** 2013. Book Review on "Ecosystem services and carbon sequestration in the biosphere." (Lat et al., Eds.) Choice.
46. **Chen, J.** 2013. Book Review on "Land use and the carbon cycle: advances in integrated science" (Brown et al., Eds.) Choice.
45. **Chen, J.** 2013. Book Review on "Resilience and the cultural landscape: understanding and managing change in human-shaped environments" (Tobias Plieninger and Claudia Bieling, Eds.) Choice, July.
44. **Chen, J.** 2013. Book Review on "Historical Environmental Variation in Conservation and Natural resource Management" (J.A. Wiens et al., Eds.) Choice, 3.
43. **Chen, J.** 2012. Book Review on "Biodiversity and Ecosystem Insecurity" (A. Djoghlaf and F. Dodds, Eds.) Choice, 3.
42. **Chen, J.** 2012. Book Review on "Climate change, ecology and systematics" (Hodkinson et al.) Choice, 1.
41. **Chen, J.** 2011. Hypothesis as the focus in ecological research. *SinoEco Newsletter* 1: 3-5.
40. **Chen, J.** 2011. Are flux towers becoming advanced weather stations? *FLUXNET Newsletter* 4(2): 10-12.
39. **Chen, J.**, K. Czajkowski, R. Becker, and J. Gottgens. 2011. Responses of west Lake Erie Basin to climate change. Research and Activity Report, *Winous Point Marsh Conservation* 53-55.
38. **Chen, J.** 2011. Book Review on "Ecosystem Functioning" (by Kurt Jax). Choice, 5.
37. **Chen, J.** 2011. Book Review on "Resolving Ecosystem Complexity" (by Oswald J. Schmitz). Choice, 2.
36. **Chen, J.** 2010. Book Review on "Carbon sequestration in forest ecosystems" (by Klaus Lorenz and Rattan Lal). Choice, 8.
35. **Chen, J.**, Y. Luo, and Q. Ye. 2009. Constructing multifunctional diverse forest in China. *Science and Technology* 27(5): 10.
34. **Chen, J.** 2009. Book review on "Systemic management sustainable human interactions with ecosystems and the biosphere" (by C. W. Fowler). Choice, 8.
33. **Chen, J.** 2009. Book review on "Biometeorology for adaptation to climate variability and change" (by Ebi et al.) Choice, 8: 3/2009.
32. **Chen, J.** 2009. Book review on "Forest Ecosystems" (by D Perry et al.) Choice, 1/1/2009.
31. **Chen, J.** 2008. Book review on "Lessons from forest decentralization: money, justice and the quest for good governance in Asia-Pacific". (C.J. Pierce et al.) Choice, 12.
30. **Chen, J.** 2008. Book review on "Ecological Restoration" (Clewell and Aronson). Choice, July.
29. **Chen, J.** 2008. Book review on "Key topics in landscape ecology" (Wu and Hobb). Choice, January.
28. **Chen, J.** 2007. Book review on "Principles and methods in landscape ecology" (Farina). Choice, April.
27. **Chen, J.** 2006. Book review on "Complexity in Landscape Ecology" (Green et al.) Choice, October.
26. **Chen, J.** 2006. Book review on "Edible forest Gardens" (Chelsea and Green). Choice, January.
25. LaCroix\*, J.J., D. Zheng, S. Ryu, Q. Li, **J. Chen**. 2005. The effect of patch edge on the direction and rate of fire spread in Wisconsin with comparisons to a New Jersey landscape. Proceedings of the East Fire Conference 2005, May 11-13, Fairfax, VA.
24. Zheng, D., J.J. LaCroix, S. Ryu, **J. Chen**, J. Hom. 2005. Comparison of fire spread related to weather, landscape structure, management alternatives, and fuel loading in two landscapes: Northern Wisconsin and New Jersey pinelands, USA. Proceedings of the EastFire Conference 2005, May 11-13, Fairfax, VA.
23. Ryu\*, S., **J. Chen**, D. Zheng, M.K. Bresee, and T.R. Crow. 2005. Simulating the effects of disturbances and age structure on fuel loading in forest ecosystems of northern Wisconsin, USA. Proceedings of the EastFire Conference 2005, May 11-13, Fairfax, VA.
22. Clark, K. L., N. Skowronski, J. Hom, G. Starr, R. Bracho, and **J. Chen**. 2005. Development and

- application of a stand level fuel moisture index based on measurements of forest energy balance. Proceedings of the EastFire Conference 2005, May 11-13, Fairfax, VA.
21. **Chen, J.** 2005. Searching for the lost army of Cambyses and Sino-Eco Newsletter 18(1): 10-14.
  20. **Chen, J.** 2005. Book review on "The everglades handbook: understanding the ecosystem" (T.E. Lodge), Choice, 3.
  19. **Chen, J.** 2004. Advanced Ecology Lectures at Fudan University: July 9 - August 4, 2004. Sino-Eco News Letter.
  18. **Chen, J.** 2004. Book review on "Landscape Agroecology". Choice, 7.
  17. **Chen, J.** 2002. A pleasant trip to the 87<sup>th</sup> Annual ESA Meeting in Tucson, Arizona. Sino-Eco Newsletter 9(2): 13-15.
  16. **Chen, J.** 2002. Book review on "The Plant Life of China", Choice, 10.
  15. **Chen, J.** 2002. Book review on "Vegetation and the terrestrial carbon cycle: modeling of the first 400 million years (Beerling and Woodward). Choice, 6.
  14. **Chen, J.** 2001. The Three Gorges Dam project: Report from SCB's Delegation to China. Society for Conservation Biology Newsletter, 5: 6.
  13. Euskirchen\*, E.S., R. Watkins, and **J. Chen**. 2000. Effects of Roads and Edges in a Fragmented Landscape in Northern Wisconsin, USA. Proceedings of the 4<sup>th</sup> Chinese Ecological Society. April, 25, Hanzhou, P.R. China.
  12. **Chen, J.**, S. Bridgman, J. Pastor, J. Weltzin, X. Wang, C. Harth, B. Dewey, J. Keller, and K. Updegraff. 2000. Energy Flows in Peatlands and Temperature Responses to Heat and Water Loading a Mesocosm Approach. The 11<sup>th</sup> Annual Harvard Forest Ecology Symposium, April 3, 2000, Harvard University, Petersham, Massachusetts.
  11. **Chen, J.** 1999. Book Review on "Discovered Alive: the Story of the Chinese Redwood" (William Gittlen). Choice, 36(11/12).
  10. **Chen, J.** and L. Gerdes. 1999. Book Review on "Landscape Plants for Subtropical Climates". Choice, 36(9).
  9. **Chen, J.** 1999. Book Review on "Sustainability of Temperate Forests". Choice, 36(7).
  8. **Chen, J.** 1998. Book Review on "Temperate Agroforestry Systems". Choice, 35(1).
  7. **Chen, J.** 1998. Book Review on "Placing Nature: Culture and Landscape Ecology". Choice, 35(8): 4482.
  6. **Chen, J.** 1997. Book Review on "Ecosystem Management: Applications for Sustainable Forest and Wildlife Resources". Choice, 34.
  5. **Chen, J.** 1997. Book Review on "Forestry for Human Development: a Global Imperative". Choice, 34, May.
  4. **Chen, J.** and S. Saunders. 1996. Book Review on "Land Mosaics: the Ecology of Landscapes and Regions". Choice, 33: 11/12:1824.
  3. **Chen, J.** 1996. Book Review on "Natural Management of Woods - Continuous Cover Forestry". Choice, 3: 1161.
  2. **Chen, J.** 1995. Book Review on "Forest Ecosystems". Choice, 3: October 319-320.
  1. **Chen, J.** 1984. Thoughts on Ecosystem Equilibriums. Graduate Newsletter, Academia Sinica, Vol. 4.

#### **OTHER TECHNICAL TRAINING:**

- 1999: ArcView Training course, Houghton, Michigan
- 1998: SPlus workshop, Albuquerque, New Mexico
- 1992: Three courses on basic, intermediate, and advanced C and C++ programming, Computer Center, University of Washington, Seattle, Washington

## **PUBLIC SERVICE:**

### **1) News Media on Research**

- "Environmental scientist to prove socioeconomic impact on climatic change". **UT News**. Nov. 4, 2013
- "Carbon sensor network to help UT researchers investigate algal blooms". **UT News**. May 4, 2012
- "Environmental sciences professor honored as Fellow". **UT News**. Jan. 12, 2012
- "Research shows converting land for biofuel crops increases carbon debt". **UT News**. Sept. 26, 2011
- Carbon Sequestration in US has increased, barring a drought, **Science Direct**. (<http://www.sciencedaily.com/releases/2011/04/110414131851.htm>). April 18, 2011
- Interview with two groups of ENGL 2950: Science and Tech Writing, Univ. of Toledo, Feb. 15, 2010
- "Chen's Advanced Ecology Lectures at Fudan University" **Science**. 319: 151. 2008
- "UT project aims to create 1st online arboretum in the U.S." **The Blade**. (<http://www.toledoblade.com/apps/pbcs.dll/article?AID=2003106160114>). June 16, 2003
- New Online Arboretum. **Toledo News Now**, (<http://www.wtol.com/Global/story.asp?S=1324305>). June 17, 2003
- "NW Forest Undergoing Carbon Dioxide Study". **Timber Processing Magazine**. Nov. 1998
- "High above the Trees to Study a Douglas-fir Forest". **The Forest Resource**. June 1997. (Also on the "Public Broadcast Station" in June, 1997)
- "Scientists Study Effect of Global Warming on Wetlands". **Tech Topics**. Sept. 12, 1997
- "Tech Scientists Study Effects of Global Warming". **Mining Gazette**. Sept. 10, 1997 (Also on the "Public Broadcast Station" on September 5, 1997)
- "Tech Researcher Will Monitor Key U.S. Forest". **The Daily Globe**. Feb. 1997
- "Tech Researchers Are Involved in Landscape Management". **Michigan Tech Lode**. Oct. 31, 1997
- "Researchers Study Dynamics of Forest Landscape Management". **Tech Topics**. Nov. 14, 1997
- "Tech to Participate in Study of Wetlands". **Manistee News**. Sept. 4, 1997
- "Michigan Tech Students Will Study Global Warming". **Petoskey News Review**. Sept. 4, 1997
- "Michigan Tech to Study Global Warming, Wetlands". **Ann Arbor News**. Sept. 4, 1997
- "Michigan Tech Join Wetlands Study". **The Herald-Palladium**. Sept. 4, 1997
- "Michigan Tech to Study Wetlands". **Evening News**. Sept. 4, 1997
- "Tech Researchers Study Wetland Ecosystems". **The Daily Globe**. Sept. 9, 1997
- "MTU Researchers Studying Effects of Timber Harvesting". **The Daily Globe**. 21, 1997
- "MTU, USFS Study the Landscape". **L'ANSE Sentinel**. Nov. 19, 1997
- "Studying Wetlands, Global Warming". **L'Anse Sentinel**. Nov. 19, 1997

### **2) Earthwatch Team in NE China and Washington State**

- 1997, 1996: In the summers of 1996 and 1997, I voluntarily organized Field Expeditions for Earthwatch. I supervised 14 people who volunteered for the program. The volunteers were from Australia, Ireland, the United Kingdom, New Zealand, Hong Kong, and the US.
- 1997: During the summer of 1997, I spent two weeks helping eight high school students experience canopy research in a Douglas-fir forest of Southern Washington.

### **2) Delegation Leader to China, Society for Conservation Biology, 9/2000**

## **Presentations:**

- 283 Helbig, Manuel et al. Peatland-dominated boreal ecoregions at risk of drying in a warmer climate (Oral) The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.
- 282 Dahlin, K., D. Akanga, D.L. Lombardozzi, D.E Reed, G. Shirkey, M. Abraha and J. Chen. A watershed-scale approach to understanding socio-ecological systems: Combining multiple data streams to assess a land surface model (oral) The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.
- 281 Reed, D.E Reed, J. M Poe, M. Abraha, J. Chen and A. R Desai. Geospatial Coherence and Modelling of Land-Surface Fluxes (poster). The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.

- 280 John, R., **J. Chen**, and J. Zhao. Interdependent dynamics of food, energy and water in Kazakhstan and Mongolia: Connecting LULCC to the transitional socioecological systems (poster). The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.
- 279 Reed, D. E, C. Lei, W. J Baule, G. Shirkey, **J. Chen** and K. Czajkowski. Impact of urbanization on land-atmosphere heat fluxes (oral). The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.
- 278 **Chen, J.**, H. Park, Z. Ouyang, R. John and P. Fan. Urban landscapes in culturally-contrasting societies (poster). The 100<sup>th</sup> AGU Fall Meeting, San Francisco, Dec. 9-13.
- 277 **Chen, J.** Sustainability of the Drylands across Eurasia: Interdependency of Nature and Societies. Invited EPSSI Seminar, Michigan Tech University, 11/19/2019
- 276 Sciusco, P., **J. Chen**. Vegetation Indices from VENμS and Sentinel-2 at Corn and Soybeans in Southwestern Michigan, USA. The 4<sup>th</sup> COSPAR Symposium. Hetzliya, Israel, Nov 4-11, 2019 (poster)
- 275 **Chen, J.**, P. Sciusco, and others. Remote Sensing Modeling of Ecosystem Productivity and Evapotranspiration: New Insights from VENμS. The 4<sup>th</sup> COSPAR Symposium. Hetzliya, Israel, Nov 4-11, 2019 (oral)
- 274 **Chen, J.**. The rises and falls of SES in Dryland Asia. 16<sup>th</sup> USCCC Annual Meeting, Hulunbuir, China, July 26, 2019
- 273 **Chen, J.** Scientific Writing in Ecology. 16<sup>th</sup> USCCC Annual Meeting, Hulunbuir, China, July 25, 2019
- 272 **Chen, J.**, G. Henebry, R. Laforteza, P. Fan, D. Roy, and G. Sanesi. Connecting Ecosystem Functions to Landscape Structure at Right Scales: Beyond Correlation Analysis. 10<sup>th</sup> IALE World Congress, Milano, Italy, 7/4/2019
- 271 **Chen, J.** Socio-Ecological Systems across the Asian Drylands Belt (ADB). National Institute for Environmental Studies, Tsukuba, Japan, 5/29/2019
- 270 **Chen, J.**, P. Sciesco, R. John et al. Carbon and water fluxes at high spatial resolutions through downscaling. Japan Geoscience Union Meeting, 5/28/2019, Chiba, Japan
- 269 **Chen, J.**, Z. Ouyang, C. Shao, et al. Rises and falls of the socioeconomic-ecological systems along the silk road. Japan Geoscience Union Meeting, 5/26/2019, Chiba, Japan
- 268 Shirkey, G., D. Reed, R. John, P. Sciusco, L. Cooper, K. Watson, and **J. Chen**. B51J-2089 Transposing Socioeconomic and Qualitative Research into a Historical, Landscape-scale Assessment of Carbon Stock in Agricultural-Forestland. AGU 2018 Fall Meeting, 12/14, Washington D.C. (poster)
- 267 Pavel Ya Groisman... **J. Chen**, et al. GC33E-1414 Contemporary Environmental Changes over the Dry Land Belt of Northern Eurasia and Their Consequences. AGU 2018 Fall Meeting, 12/12, Washington D.C. (poster)
- 266 Abraha, M., S. Hamilton, **J. Chen**, and P Robertson. B33I-2800 Evapotranspiration of Annual and Perennial Biofuel Crops. AGU 2018 Fall Meeting, 12/12, Washington D.C. (poster)
- 265 Wu, X., X. Xiao, Y. Zhang, W. He, S. Wolf, **J. Chen** et al. B31N-2678 Spatiotemporal consistency of four gross primary production products and solar-induced fluorescence in response to climate extremes across CONUS in 2012. AGU 2018 Fall Meeting, 12/12, Washington D.C. (poster)
- 264 Poe, J., D. E Reed, **J. Chen**, M. Abraha, A. R Desai, and S. Metzger B33I-2799 Spatial coherence of carbon flux towers in Midwest ecosystems. AGU 2018 Fall Meeting, 12/12, Washington D.C. (poster)
- 263 Reed, D., J. M Poe, M. Abraha, J. and **J. Chen**. B21D-06 Fluxes from Across the Street: Using Artificial Neural Networks to Model Carbon Cycling from Paired Flux Sites. AGU 2018 Fall Meeting, 12/11, Washington D.C. (oral)
- 262 Fer, I. .. **J. Chen**. B41N-2918 How can hierarchical Bayesian calibration of a dynamic vegetation model help with ecological forecasts? (poster)
- 261 **Chen, J.** and 21 others. GC32A-05 Socio-Environmental Systems (SES) on the Changing Mongolian Plateau: A review. AGU 2018 Fall Meeting, 12/12, Washington D.C. (Oral)
- 260 **Chen, J.** USCCC: Review & Perspectives, The 15<sup>th</sup> USCCC Annual Meeting, Jiujiang, Aug. 15-17, 2018.
- 259 Zhang, Y., **J. Chen**, R. John. 2018. Livestock, Herders and Pastoral Resources in Changing Society and Environment in Mongolia. Presented at The 8th EAFES (East Asian Federation of Ecological Societies) International Congress, Nagoya University, Nagoya City, JAPAN. April 21-23, 2018,
- 258 John, R., **J. Chen**, W. Ma, H. bPark, S. Hession. SYMPOSIA-13: Untangling the Effects of Human Influence on Above Ground Biomass from Precipitation Driven Changes on the Mongolian Plateau. The US-IALE Annual Meeting, Chicargo, 4/9/2018.

- 257 Tian L., **J. Chen**, R. John, C. Shao, X. Xin. POSTER: Interdependent of ET-LAI-Albedo Across the Roofing Landscapes: Mongolian and Tibetan Plateau. The US-IALE Annual Meeting, Chicargo, 4/9/2018.
- 256 Crankv C, **J. Chen**, R. John. Land use and land cover change in a typical Midwest watershed in relations to socio-ecological factors. The US-IALE Annual Meeting, Chicargo, 4/9/2018.
- 255 Fitzpatrick, L., A. Fujisaki-Manome, A. Gronevold, E. J. Anderson, C. Spence, **J. Chen**, C. Shao, D. J. Posselt, D. M Wright, B. M Lofgren, and D. J Schwab. Reconstructing Heat Fluxes Over Lake Erie During the Lake Effect Snow Event of November 2014. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 254 Moore, N. J., R. John, and **J. Chen**. Landscape dynamics and different climate forcings in eastern Mongolia. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 253 **Chen, J.** Society and Ecosystem Carbon Budget through Life Cycle Assessment: Results from Asian Drylands. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 252 Li, F., Y. Zeng, **J. Chen**, and B. Wu. Grassland Aboveground Biomass in Inner Mongolia: Dynamics (2001-2016) and Driving force. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 251 Huang, K., J. Xia, Y. Wang, A. Ahlström, C. Schwalm, D. N Huntzinger, **J. Chen**, R. B Cook<sup>7</sup>, Y. Fang, J. B Fisher, A. R Jacobson, A. Michalak, K. M Schaefer, Y. Wei, L. Yan and Y. Luo. Enhanced vegetation growth peak and its key mechanisms. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 250 Abraha\*, A., S. K Hamilton, **J. Chen**, G P Robertson, and I. Gelfand. Carbon Debt of CRP Lands Converted to Annual and Perennial Bioenergy Crops. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 249 Yang, Z. M. Lin, H. Park, S. Qian, **J. Chen** and P. Fan. Mapping Regional Impervious Surface Distribution from Night Time Light: The Variability across Global Cities. The 2017 AGU Annual Meeting, New Orleans, 8-15/12/2017
- 248 **Chen, J.** Scientific Endeavors at the LEES Lab. Shizihe University, 12/11/17
- 247 **Chen, J.** Mitgating crop production risks in changing climate. Central Asian Agtech Summit, Invited presentations, 12/8, 2017.
- 246 **Chen, J.** Institution in Ecosystem Analysis: A Forgotten Driver. Distinguished Ecologist Lecture Series (DELS), School of Forest Resources and Environmental Science, Michigan Tech University, Oct. 26, 2017.
- 245 **Chen, J.** Vegetation in Anthropocene: A Postcard from Mongolian Plateau. The 60<sup>th</sup> Annual Symposium, International Association for Vegetation Science (IAVS), Palermo, Italy June 20-24, 2017. **Key Note Address.**
- 244 **Chen, J.** Urban Ecosystems and Landscapes in a Changing World. Wenzhou Sub-tropical Agricultural Institute. May 25, 2017.
- 243 **Chen, J.**, R John, G Allington, F Li, C Shao, Y Zhang, DG Brown, J Qi, B Gang, ME Fernández-Giménez. Japan Geoscience Union Meeting, May 20, 2017, Chiba, Japan
- 242 Shirkey, G., **Chen, J.**, John, R., Park, H., Liang, M., and Giannico, V. 2017. Contributions of tree mortality to C accumulation in an oak savanna system: a decadal summary. Poster session. Association of American Geographers. Boston, MA. April 7, 2017.
- 341 Yang, Z., **J. Chen**, and others. Hybrid global urban built-up area: Bayesian sequential integration toward big data. The 2017 Annual meeting of ILAE, April 9-13, Baltimore.
- 340 Park, H., P. Fan, R. John, and **J. Chen**. Urban sprawl, informal settlements, and inequality: Spatiotemporal patterns and drivers of Ger districts in Ulaanbaatar, Mongolia. The 2017 Annual meeting of ILAE, April 9-13, Baltimore.
- 339 Fan, P., **J. Chen**, and others. Urban landscape evolution under globalization and transitional economy: An integrated framework for Siberian cities. The 2017 Annual meeting of IALE, April 9-13, Baltimore.
- 338 Fan, P., **J. Chen**, and J. Wu. Evolving landscapes under institutional change, globalization, and cultural influence in contrasting urban systems: An introduction. The 2017 Annual meeting of IALE, April 9-13, Baltimore.

- 337 **Chen, J.**, and others. Permanent physical and social landmarks constrain urban landscape development and function in culturally contrasting societies. The 2017 Annual meeting of IALE, April 9-13, Baltimore.
- 336 **Chen, J.**, K. Dahlin, R. John, G. Shirkey, S. R. Wu, P. Robertson, S. Hamilton, L. Cooper, D. Lusch, and A. Karnieli, R. Laforteza, and G. S. Labini. Socioecological Carbon Production in Managed Agricultural-Forest Landscapes. 2017 Joint NACP & AmeriFlux PI Meeting, March 27-30, 2017, North Bethesda, MD, USA
- 335 **Chen, J.**, K. Dahlin, R. John, G. Shirkey, S. R. Wu, P. Robertson, S. Hamilton, L. Cooper, D. Lusch, and A. Karnieli, R. Laforteza, and G. S. Labini. Socioecological Carbon Production in Managed Agricultural-Forest Landscapes. Worldcover 2017 Conference, 14–16 March 2017, Rome, Italy
- 334 Abraha, M., I. Gelfand, S. K. Hamilton, C. Shao, Y.J. Su, G P. Robertson, and **J. Chen**. Ecosystem carbon budgets under contrasting land use histories using eddy covariance and deep core methods. Fall AGU Meeting, 12/12-16, 2016, San Francisco, CA.
- 333 **Chen, J.** Renewed Challenges: People vs Environment. Wenzhou University, 11/4/2016
- 332 **Chen, J.** Hypotheses in ecosystem studies, Institute of Subtropical Research, 11/3/2016
- 331 **Chen, J.**, R. John, C. Shao, Z. Ouyang, E. Mack, R. Laforteza, and J. Qi. Asian dryland hierarchies in rapidly evolving institutional environments. The 3<sup>rd</sup> Open Science Meeting, Global Land Programme, Beijing, China, 10/27-27, 2016.
- 330 Fan, P., **J. Chen**, Z. Naing, Z. Ouyang, K., Nyunt, Z., Myint, and J. Qi. Extreme climate events, globalization, and capital relocation: telecoupling and urbanization in Yangon, Myanmar. The 3<sup>rd</sup> Open Science Meeting, Global Land Programme, Beijing, China, 10/27-27, 2016
- 329 **Chen, J.** Ecosystems and Societies in Asian Drylands. Beijing Agricultural University, 7/15/2016
- 328 **Chen, J.** People, Ecosystems and Environment in Dryland Asia. Inner Mongolia University, 6/27/2016
- 327 **Chen, J.** A Few Random Thoughts on the Future of Tower-Based Flux Studies. 13<sup>th</sup> USCCC Annual Meeting, Beijing Forestry University, 6/25/2016
- 326 **Chen, J.** Renewed Challenges: People vs Environment. Shanxi University, 6/20/2016
- 325 **Chen, J.**, C. Shao, Z Ouyang, C Stepiens, etc. Algal blooms can turn Lake Erie to a carbon sink. The 59<sup>th</sup> Annual Conference on Great Lakes research, University of Guelph, June 6-10, 2016
- 324 **Chen, J.** The CNH dynamics and LULCC on Mongolia Plateau. The CEME Workshop, Harvard Forest, 2/5-6, 2016.
- 323 Soja, A. **J. Chen**. Synthesis of Decades of Change in Northern Eurasian Ecosystems: Current Assessment and Future Projections. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 322 John, R., **J. Chen**. Remote Sensing-based estimates of herbaceous aboveground biomass on the Mongolian Plateau. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 321 Abraha, M. ... **J. Chen**. Land use history, ecosystem type and species composition drive water use efficiency in annual maize and perennial grasslands in a humid temperate climate. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 320 Moore, N., **J. Chen**... How Has Land Cover Change Affected Precipitation for the Mongolian Plateau Since 2001? AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 319 Shao, C. **J. Chen**. Grazing Effects on Water Use Efficiency on a Mongolian Desert Steppe. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 318 Noormets, A., **J. Chen**, et al. 2015. Effects of Forest Management on Productivity and Carbon Sequestration: A Review and Hypothesis. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
317. Paple, D., ... **J. Chen**, 2015. Do We Need Larger Eddy Covariance Site Networks? Sites Spatial Distribution and Network Size Effect on Carbon and Water Fluxes Upscaling Using Empirical Models. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 316 Gelfand, I., **J. Chen**. 2015. Diurnality of soil nitrous oxide ( $N_2O$ ) emissions. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 315 Zhang, X, ...**J. Chen**, et al. 2015. Biogeochemical and biophysical climate regulation services from converting native grassland to bioenergy production in the US Midwest. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.
- 314 **Chen, J.** and others. Regulations of evapotranspiration and ecosystem productivity from biophysical and human drivers in drylands Northern Eurasia. AGU Fall Meeting, Dec. 12-19, 2015. San Francisco, CA.

- 313 Wu, R. M. Green, **J. Chen**, Y. Tang, A. Yang. Green Building Design and Visual Persuasion on Pro-environmental Behaviors of the Occupants. The 49<sup>th</sup> International Conference of Architecture; Science Association. Australia, Dec. 2-4, 2015.
- 312 Fan, P., L. Xu, W. Yue, and **J. Chen**. Planning green infrastructure in new urban periphery. The IUFRO-LE Bi-Annual Conference, Tartu, Estonia, 8/26/2015
- 311 **Chen, J.** Landscape Ecology Working Party in Current and Future Society. The IUFRO-LE Bi-Annual Conference, Tartu, Estonia, 8/26/2015
- 310 **Chen, J.** Dynamics of coupled natural and human systems on the Mongolian Plateau. The 100<sup>th</sup> ESA Annual Meeting, Baltimore, 8/9-8/14/2015
- 309 Abraha, M, **J. Chen**, et al. Water use efficiency of annual corn and perennial grasses. The 100<sup>th</sup> ESA Annual Meeting, Baltimore, 8/9-8/14/2015
- 308 Shao, C., **J. Chen**, et al. Grazing effects on energy fluxes in a desert steppe on the Mongolian Plateau. The 100<sup>th</sup> ESA Annual Meeting, Baltimore, 8/9-8/14/2015
- 307 Su, YJ, **J. Chen**, et al. Soil respiration variations respond to microclimate variations in biofuel crop ecosystems. The 100<sup>th</sup> ESA Annual Meeting, Baltimore, 8/9-8/14/2015
- 306 **Chen, J.** Frontiers and new directions in flux measurements, The 12<sup>th</sup> USCCC Annual Meeting, Shanghai, Aug. 1, 2015
- 305 **Chen, J.** CNH research and scientific writing. Invited Seminar, Subtropical Research Institute, Aug. 29, 2015
- 304 **Chen, J.** Harmonizing people and nature. Invited Seminar Series, Huadong Normal University, Aug. 2, 2015
- 303 **Chen, J.** Harmonizing people and nature. Education in The Social Science, Michigan State university, July 23, 2015
- 302 Zhang, X. K. Zhao, M. Abraha, I.Gelfand, R. C. Izaurralde, A. M. Thomson, S. K. Hamilton, **J. Chen**, G. P. Robertson, M. Xu, X. Liang. Changes in biophysical climate regulation services from converting native grassland to bioenergy production in the US Midwest. NASA Carbon Cycle and ecosystems Joint Science Meeting, College Park, April 21-24, 2015.
- 301 Fan, P., **J. Chen**, and R. John. Urban landscape and environment change during the economic transition in Mongolian Plateau: A comparative study of Hohhot and Ulaanbaator, 1990-2010. NASA Carbon Cycle and ecosystems Joint Science Meeting, College Park, April 21-24, 2015.
- 300 **Chen, J.** R. John, D. Brown, C. Shao, G. Allington, Q. Zhuang, J.Xiao, Y.Xie, G. Sun, P. Fan, J.Qi. **LCLUC Synthesis: Ecosystem-Society Interactions on a Changing Mongolian Plateau**. NASA Carbon Cycle and ecosystems Joint Science Meeting, College Park, April 21-24, 2015.
- 299 **Chen, J.** Z. Ouyang, R. John, G. Dong, P. Fan. Co-Evolutions of Ecosystems, Society, and Economy in Dryland Asia. AGU Annual Meeting. Vienna, Austria, 4/17/2015
- 298 **Chen, J.** Synthesis on drylands for FENI. Ten years of Northern Eurasia Earth Science Partnership Initiative Research: Synthesis and Future Plans Prague, Check, April 10, 2015.
- 297 **Chen, J.** Harmonizing nature and people. Hanover Seminar Series (invited), Dept. of Forestry, MSU. March 17, 2015.
- 296 Liu, Y., **J. Chen**, et al. Impacts of Changing Climate and Land Cover on Water and Carbon Dynamics in Northern Eurasia. The AGU Annual Meeting, Dec. 17, 2014.
- 295 John, R., **J. Chen**, et al. Differentiating between Land Use and Climate-driven Change using Long-term Vegetation Index Trends adjusted for Precipitation on the Mongolian Plateau. The AGU Annual Meeting, Dec. 17, 2014.
- 294 **Chen, J.** Divergences of Two Coupled Human and Natural Systems on the Mongolian Plateau. The AGU Annual Meeting, Dec. 17, 2014.
- 293 **Chen, J.** Policy Shifted the Functional Relations of Coupled Human and Natural Systems on the Mongolian Plateau. The AGU Annual Meeting, Dec. 17, 2014.
- 292 **Chen, J.** Water and ecosystem services. Water Management Short Course for Mexico Natural Resources Admin, Water Center, Sept. 10, 2014
- 291 Chu, H., **J. Chen**, J. F. Gottgens, G. Sun., and C. Shao (2014). Contrasting the interannual variability of evapotranspiration in a temperate oak woodland, a freshwater marsh and a conventional cropland. 2014 Symposium on "Evapotranspiration: Challenges in Measurement and Modeling from Leaf to the Landscape Scale and Beyond", Raleigh, NC, USA, (Oral presentation #1876859) April 7-11, 2014

290. **Chen, J.** An empirical for diurnal air temperature pattern from clear-cut edge into the old-growth Douglas-fir forest. The 7th U.S. Landscape Ecology Symposium. Corvallis, OR, 1992.
289. **Chen, J.** Managing forest edges to improve habitat conditions. The 7th U.S. Landscape Ecology Symposium. Corvallis, OR, 1992.
288. **Chen, J.** Integrating edge effects into a landscape perspective -- a simulation approach. The 7th U.S. Landscape Ecology Symposium. Corvallis, OR, 1992.
287. **Chen, J.** Defining landscape patterns of biotic and abiotic variables. The 6th Annual Meeting of the Society for Conservation Biology. Blacksburg, VA, 1992.
286. **Chen, J.** Microclimatic pattern and its variability in the interior old-growth Douglas-fir forest. The 77th Annual ESA Meeting. Honolulu, HI, 1992.
285. **Chen, J.** Microclimate and forest vegetation features across riparian buffers. CSS and ONRC "Opportunities and Frontiers in Watershed Management" Presentations, 1992.
284. **Chen, J.** Spatial characteristics of an old-growth spruce-fir forest. The 8th U.S. Landscape Ecology Symposium. Oak Ridge, TN, 1993.
283. **Chen, J.** Forest edges and edge effects: from stands to landscapes. (invited) School of Forestry and Wood Products at Michigan Technological University, Houghton, MI, 1993.
282. **Chen, J.** Emerging concepts of landscape ecology and management. (invited) School of Forestry and Wood Products, Michigan Technological University, Houghton, MI, 1993.
281. **Chen, J.** Edge effects on understory frequency, cover, and flowering in an old-growth Douglas-fir forest in southwestern Washington. 78th Annual Meeting of the ESA, Madison, WI, 1993.
280. **Chen, J.** Non-growing season temperature and moisture gradients from a south-facing edge into the old-growth Douglas-fir forest. 78th Annual Meeting of the ESA, Madison, WI, 1993.
279. **Chen, J.** Natural and anthropogenic edges in forest landscape and their influences on ecological processes. The 78th Annual Meeting of the ESA, Madison, WI, 1993.
278. **Chen, J.** The importance of edges in understanding ecosystem interactions and landscape mosaics. 1993), ESA Symposium, Organized by **Jiquan Chen** and Gay Bradshaw, 78th Annual Meeting of the ESA, Madison, WI, 1993.
277. **Chen, J.** Patterns and scales of biotic and abiotic variables across forested ecosystems/landscapes. An Ecolunch Seminar, Houghton, Michigan, 1994.
276. **Chen, Naiman, and Franklin.** Microclimate across riparian ecotone. The International Workshop on Ecotone, Seattle, WA, 1994.
275. **Chen, Naiman, and Franklin.** Influences of riparian buffers on microclimatic gradients across stream ecosystems. The 9th Annual U.S. Landscape Ecology Symposium, Tucson, AZ, 1994.
274. **Chen and Brosfske.** Changes in microclimate from streams to uplands in managed landscapes understanding microclimate in ecosystem management. The Ecosystem Management Strategies for the Lake Superior Region - a Conference and Workshop Applicable to the Great Lakes Region, Duluth, MN, 1994.
273. **Chen, J.** Ecological characteristics across multiple spatial and temporal scales. Deans' Tour, Ashland, WI, 1995.
272. Silbernagel, **Chen, Gale, Martin, Pregitzer, and Probst.** Patterns of settlement related to landscape ecosystems in the eastern Upper Peninsula of Michigan. Tenth Annual U.S. Landscape Ecology Symposium, 1995.
271. Saunders, **Chen, Brosfske, and Crow.** Predicting spatial and temporal pattern of microclimate in managed forest landscape. Tenth Annual U.S. Landscape Ecology Symposium, 1995.
270. Song, **Chen, Bradshaw, Reed, and Franklin.** A hierarchical approach for modeling canopy structures and heterogeneity: from crowns to canopy. The 80<sup>th</sup> Annual Meeting of the ESA, Snowbird, UT, 1995.
269. Chen, Brosfske, Naiman, and Franklin, Vegetation characteristics across streams in western Washington. The 80th Annual Meeting of the ESA, Snowbird, UT, 1995.
268. Saunders, Song, Reed, and **Chen.** Spatial and temporal relationships in growth characteristics of northern hardwood forests. Modeling longitudinal and spatial correlated data: methods, applications, and future directions. Nantucket, MA, 1996.
267. **Chen, Crow Brosfske, Saunders, and Xu.** Microclimatic Perspectives in forest ecosystems and landscapes. IUFRO Landscape Ecology Workshop, 1996.
266. Song, Rudnicki, and **Chen.** Examining the relationship of overstory structure to understory microclimate and vegetation. IUFRO Landscape Ecology Workshop, 1996.

265. Saunders, **Chen** and Crow. The nature of variation in the relationship between abiotic and biotic landscape characteristics within and among structural patch type. IUFRO Landscape Ecology Workshop, 1996.
264. Silbernagel, **Chen**, Gale, and Crow. Dealing with multi-scale data sets in documenting landscape structure changes. IUFRO Landscape Ecology Workshop, 1996.
263. Quantifying 3-D canopies: a modeling approach. 2nd Open House Meeting at Wind River Canopy Crane Site. Wind River, WA, 1996.
262. Site characteristics of wind river canopy crane facilities. AmeriFlux Network Workshop, St. Louis, MO, 1996.
261. Brosfske, **Chen**, Crow, and Saunders. Plant diversity at multiple scales across a northern Wisconsin pine barrens landscape. 1997 Annual Meeting, Ecological Society of America, Albuquerque, NM, 1997.
260. **Chen, J.**, M. Xu, and A. Mclean. Predicting air and temperatures in a forested landscape using Landsat TM thermal data and ground measurements. Annual Meeting, Ecological Society of America, Albuquerque, NM 1997.
259. Song, B., **J. Chen**, M. Rudnicki. The relationship between canopy structure and the pattern and process of the understory. Annual Meeting, Ecological Society of America, Albuquerque, NM, 1997.
258. Saunders, S. K. Brosfske, **J. Chen**, and T. Crow. Hierarchical relationships between landscape structure and temperature in a managed forest landscape. Annual Meeting, Ecological Society of America, Albuquerque, NM, 1997.
257. Rudnicki, M. and **J. Chen**. Spatial and temporal variation of radial growth rates in an old-growth Douglas-fir forest. Annual Meeting, Ecological Society of America, Albuquerque, NM, 1997.
256. **Chen, J.** and K. Brosfske. Spatial relationship between canopies and understory vegetation in an old-growth spruce-fir forest. Annual Meeting, Ecological Society of America, Albuquerque, NM, 1997.
255. **Chen, J.** Co<sub>2</sub> and H<sub>2</sub>O fluxes using a mobile eddy-flux system. WESTGEC/NIGEC Meeting, Wind River, WA, 1998.
254. **Chen J.** Alternative management at landscape scales. Bad River Watershed Management conference, WI, 1998.
253. **Chen J.** CO<sub>2</sub> and h<sub>2</sub>O fluxes of an old growth and young stand. Research Priorities for Future MOFEP, MOFEP Annual Meeting, Wind River, WESTGEC/NIGEC, Jefferson City, MO, 1998.
252. Fan, W., **J. Chen**, K.D. Brosfske, and D.Zheng, Landscape-level effects of alternative forest management on nitrogen mineralization in the Chequamegon National forest, WI, 1998
251. Paw U, K.T., **J. Chen**, S. Ustin1, T.Suchanek, X. Wang, T. King, M. Falk, T. Hsiao and R. Shaw Carbon and water flux of Douglas-fir forests in southern Washington. Wind river, WA (**J. Chen** as oral presenter), 1998
250. Wang, X., **J. Chen**, Scott Bridgham, Karen Updegraff<sup>2</sup>, and John Pastor. Responses of radiation balance and temperatures to increased infrared loading in northern peatland ecosystems. ESA Annul meeting (oral presentation), 1999
249. Brosfske, Saunders, **Chen**, Drummer, and Gustfason. Identifying scales of pattern in ecological data: a comparison of lacunarity, spectral, and wavelet analyses. IALE Meeting, Fort Collins, CO, 1999.
248. Bridgham S.D., J. Pastor, **J. Chen**, J. Weltzin, X. Wang, K. Updegraff, C. Harth, P. Weishampel, and J. Keller. Climate change impacts on northern peatlands: a manipulative approach. Joint Science Team Meeting TCP, Per, and NIGEC, Indianapolis, IN (Poster), 1999.
247. **Chen, Jiquan**, Xinli Wang, Kyaw Tha Paw U, Tom Suchanek, Susan Ustin, Tom King, Ted Hsiao, Roger Shaw, and Matthias Falk. Net ecosystem exchanges of materials and energy of coniferous forests in the Pacific Northwest. Joint Science Team Meeting TCP, Per, and NIGEC, Indianapolis, IN, 1999.
246. Bridgham, S. D., J. Pastor, **J. Chen**, J. Weltzin, X. Wang, K. Updegraff, C. Harth, P. Weishampel, and J. Keller. Climate change impacts on northern peatlands: a manipulative approach. Poster Presented at Conference Titled "How Nutrients Cycles Constrain Carbon Balances in Boreal Forests and Arctic Tundra," Organized on Behalf of GCTE (Global Change and Terrestrial Ecosystems) Core Project of the IGBP (International Geosphere Biosphere Program), Abisko, Sweden, 1999.
245. Phillips, Bond, **Chen**, McDowell, Paw U, Ryan, Xinli, BI. Is forest transpiration a conservative hydrological process? A comparison of young and old growth forest water use. AGU Annual Meeting, San Francisco, CA, 1999.

244. Brosfske, K.D., **J. Chen**, and E.J. Gustafson. Modeling effects of broad-scale forest management on understory vegetation. The 2000 ESA Annual Meeting, Snowbird, UT, 2000.
243. Fan, W., **J. Chen** and K.D. Brosfske. The scale dependency of the relationship between litter quantity and nitrogen mineralization in forest ecosystems and landscapes. The 2000 ESA Annual Meeting, Snowbird, UT, 2000.
242. Ma, S., **J. Chen**, M. North, and M. Jurgensen. Soil respiration rate (SRR) among patches of a heterogeneous mixed-conifer forest in a Mediterranean climate. The 2000 ESA Annual Meeting, Snowbird, UT, 2000.
241. Mislivets\*, M., Sari C. Saunders, Dave C. Cleland, and **Jiquan Chen**. Landscape Structure Induced by Roads at different ecological levels in the Northern Great Lakes region, USA. The 2000 IALE Annual Meeting, Ft. Lauderdale, FL, 2000.
240. **Chen, J.**, S. Bridgham, J. Pastor, X.Wang, J. Weltzin, C. Harth, B. Dewey, J. Keller, and K. Updegraff. Energy flows in peatlands and their responses to heat and water loading. The 2000 ESA Annual Meeting, Snowbird, UT, 2000.
239. Euskirchen, E.S., **J. Chen**, and E.J. Gustafson. Soil respiration at dominant patch types within a managed landscape in northern Wisconsin. The 2000 ESA Annual Meeting, Snowbird, UT, 2000.
238. Euskirchen, E.S. and **Jiquan Chen**. Effects of edges on plant communities in the Chequamegon national forest, 3<sup>rd</sup> Annual Meeting of the Bayfield Landscapes. Ashland, WI, 2000.
237. Ma, S., **J. Chen**, and M. North. Spatial relationships between forest canopies and microclimate and heat flows in a patchy mixed-conifer forest. The 24th Conference on Agricultural and Forest Meteorology, Davis, CA, 2000.
236. Trevor Newton, Kyaw Tha Paw U, **Jiquan Chen**, Roger Shaw, Thomas King, Theodore C. Hsiao, Matthias Falk, R, David Pyles Anthony Matista, Amy Sundquist, Young-San Park, and Hibba Wabeh, The microclimate of a 65 m tall, old-growth coniferous forest. The 24th Conference on Agricultural and Forest Meteorology, Davis, CA, 2000.
235. Paw U, Thomas H. Suchanek, Susan L. Ustin, **Jiquan Chen**, Theodore Hsiao, Roger Shaw, Thomas King, Matthias Falk, R. David Pylesand Anthony Matista, Micrometeorological estimates of carbon exchange in an old-growth forest. The 24th Conference on Agricultural and Forest Meteorology, Davis, CA, 2000.
234. **Chen, J.**, Kyaw Tha Paw U, Thomas H. Suchanek, Susan L. Ustin, Roger Shaw, Xinli Wang, Theodore C. Hsiao, Matthias Falk, Microclimate and energy balances of three Douglas-fir forests in southern Washington. The 24th Conference on Agricultural and Forest Meteorology, Davis, CA, 2000.
233. Bridgham, S. D., J. Pastor, **J. Chen**, J. Weltzin, K. Updegraff, C. Harth, J. Keller, B. Dewey, and P. Weishampel, Peatland response to climate change - a manipulative approach. 2000.
232. **Chen**, Hubner, and Saunders, Plant distribution across Ozark landscape. Natural Areas Conference, St. Louis, MO, 2000.
231. Eugénie Euskirchen, **Jiquan Chen**, Harbin Li, Eric Gustafson, Tom Crow, Modeling net carbon across a hypothetical landscape under alternative harvesting strategies. The 16<sup>th</sup> IALE Annual Meeting, Phoenix, AZ, 2000.
230. Marshall, Treneice and **Jiquan Chen**, Contribution of wetland ecotones on vascular plant diversity within a northern hardwood landscape. The 16<sup>th</sup> IALE Annual Meeting, Phoenix, AZ, 2000.
229. Jaiteh, Malanding, S., Paul V. Desanker and **Jiquan Chen**, Land use and landscape patterns in the miombo. The 16<sup>th</sup> IALE Annual Meeting, Phoenix, AZ, 2000.
228. **Jiquan Chen**, Eugenie Euskirchen, Tom Hayes, Siyan Ma, Treneice Marshall, and Sari Saunders, Are Edge effects more pronounced at edges? The 16<sup>th</sup> IALE Annual Meeting, Phoenix, AZ, 2000.
227. Scott Bridgham, Jason Keller, Jake Weltzin, John Pastor, Karen Updegraff, Brad Dewey, Cal Harth and **Jiquan Chen**, The carbon balance of bogs and fens in a manipulative climate change experiment. The Seventh Symposium on Biogeochemistry of Wetlands, Durham, NC, 2000.
226. Gerdes, Buech, Palik, Gale, and **Chen**. The ecology of seasonal forest ponds. The Midwest Fish and Wildlife Conference. St. Paul, MN, 2000.
225. Biophysical controls of water and carbon flows in three successional Douglas-fir stands using eddy-covariance method. Workshop on "Age-related change in structure and function of forests in the Pacific Northwest: a synthesis of research". Corvallis, OR. Oct. 19, 2000.

224. Bridgham, Weltzin, Pastor, and **Chen**. The carbon balance of bogs and fens in a manipulative climate change experiment. The Seventh Symposium on Biogeochemistry of Wetlands, Duke University, Durham, NC. June 2001.
223. Pastor, J., B. Peckham, S. Bridgham, J. Weltzin, and **J. Chen**. Plant community dynamics, nutrient cycling, and multiple stable equilibria in peatlands. Seventh International Symposium on the Biogeochemistry of Wetlands, Duke University, Durham, NC, June 17-20, 2001.
222. Bridgham, S., J. Keller, J. Weltzin, J. Pastor, K. Updegraff, B. Dewey, C. Harth, and **J. Chen**. The carbon balance of bogs and fens in a manipulative climate change experiment. Seventh International Symposium on the Biogeochemistry of Wetlands, Duke University, Durham, NC. June 17-20, 2001.
221. Bridgham, S. D., J. Pastor, J. Weltzin, **J. Chen**, B. Dewey, and J. Keller. 2001. Climate effects of carbon storage in peatlands. Annual Meeting of the Soil Science Society of America, Charlotte, NC. Oct. 21-25.
220. Creed, J., **J. Chen**, and Others. The Three-Gorge Dam. Annual Meeting of the Society for Conservation Biology, Hilo, HI. 2001.
219. **Chen, J.**, and others. 2001. Biodiversity and alternative landscape management. Annual Meeting of the Society for Conservation Biology, Hilo, HI, 2001.
218. Euskirchen, E.S.\* **J. Chen** and K.S. Pregitzer. Carbon fluxes at a naturally regenerated Jack pine stand in northern Michigan. The 87<sup>th</sup> ESA Annual Meeting, Tucson, Arizona, 8/4-10/2002. The 87<sup>th</sup> ESA Annual Meeting, Tucson, AZ, Aug. 4-10, 2002.
217. Le Moine, J.M.\* S. Mather, **J. Chen** And M.K. Bresee, 59 Detecting changes in composition of a forested landscape mosaic with remotely sensed and management data. The 87<sup>th</sup> ESA Annual Meeting, Tucson, AZ, August 4-10, 2002.
216. Ryu, S.\* **J. Chen**, T.R. Crow, S.C. Saunders, B. Song, D.T. Cleland and M.F. Jurgensen. The Interaction of climate, productivity, and decay rate on fuel loading in North American Forests. The 87<sup>th</sup> ESA Annual Meeting, Tucson, AZ, Aug. 4-10, 2002.
215. Noormets, A.\* **J. Chen**, S.D. Bridgham, J. Pastor, J.F. Weltzin, C. Harth, B. Dewey And J. LeMoine. The effect of infrared loading and soil water table on soil energy fluxes in northern peatlands. The 87<sup>th</sup> ESA Annual Meeting, Tucson, AZ, Aug. 4-10, 2002.
214. **Chen, J.**, A. Noormets, S.D. Bridgham, J. Pastor, J.F. Weltzin, C. Harth, and B. Dewey. Effects of global warming on peatlands energy budget. Nanjing International Wetlands Symposium (poster). Sept. 8-18, 2002
213. Ma, M., **Jiquan Chen**, Malcolm North and Heather Erickson. Increases in Soil Respiration Following Burning and Thinning Treatments in an Old-growth, Mixed-conifer Forest. USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions. Raleigh, NC, (Abstract), Nov. 18-22, 2002.
212. Effects of Tree Mortality, Fire and Harvesting on Available Fuel in US Forests. USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions. Raleigh, NC (Abstract), Nov. 18-22, 2002.
211. Ryu, S., **J. Chen**, Thomas R. Crow, and Sari C. Saunders. FARSITE simulations.
210. **Chen, J.**, A. Noormets, T. Crow, K. Brosowske, J. LeMoine, M. Bressee, S. Mather, S. Ryu, and E. Euskirchen. Coupling Effects of Changing Climate and Management on Carbon Flux and Storage in Disturbed Land Mosaics. USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions. Raleigh, NC (Abstract), Nov. 18-22, 2002.
209. Saunders, S.C., M.R. Mislevets, K.D. Brosowske, D.T. Cleland, **J. Chen**. Modern fire regime across ecological landscape units within Northern Great Lakes Region, USA. The 2003 IALE Annual Meeting, Bendt, CA. 2003
208. Mather, S., K. Czajkowski, M. Bresee, **J. Chen**, J. LeMoine, D. Stierman. Scale issues in comparing MODIS and ASTER Thermal Data. Remote Sensing Applications and Issues. AAG Annual Meeting, Columbus, OH. March 8, 2003
207. Noormets, A., **Jiquan Chen**, Thomas Crow, and Kimberley Brosowske. Water use efficiency in a managed Northern Wisconsin landscape: variation among ecosystems. The Western Great Lakes Research Conference, WI, April 9-11, 2003.
206. Bresee, M.K., Jim Le Moine, Stephen Mather, Kimberley D. Brosowske, **Jiquan Chen**, and, Thomas R. Crow. Landscape Dynamics and disturbance in Chequamegon National Forest, Wisconsin, USA, from 1972 to 2001. The Western Great Lakes Research Conference, WI, April 9-11, 2003

205. Brosfske, K.D., **J. Chen**, S.C. Saunders, and T.R. Crow. Nine Years of Landscape-Level Research in the Chequamegon National Forest. The Western Great Lakes Research Conference, WI, April 9–11, 2003
204. Zheng, D., **J. Chen**, J. Le Moine and E. Euskirchen. Fragmentation and edge effects on landscape-level soil respiration in a managed land mosaic in N. Wisconsin. The 4<sup>th</sup> American Forest Ecology Workshop, Corvallis, OR, (Oral presentation), June 16–20, 2003.
203. Ma, S., **J. Chen**, and M. North. Effects of experimental treatments on canopy heterogeneity and microclimate variability in an old-growth, Mixed conifer forest. The 4<sup>th</sup> American Forest Ecology Workshop, Corvallis, OR, (poster), June 16–20, 2003.
202. **Chen, J.** Ecological Research of the LEES Lab. Huhehot, P.R. China. Dec. 20, 2003.
201. **Chen, J.** et al. Placing ecological research in real landscapes. The 4<sup>th</sup> IALE-China Meeting, Beijing, P.R. China. (Oral presentation, Keynote speaker), Dec. 13, 2003.
200. Noormets, A. and **J. Chen**. Eddy covariance: estimating ecosystem fluxes of carbon, water, and energy. The Oak Openings Research Forum, Toledo, OH, (Oral presentation), Jan. 23, 2004.
199. Mather, S. V., M. Bresee, **and J. Chen**. Field scale remote sensing: scaling leaf properties to the landscape scale. Annual Meeting of the Association of American Geography. Philadelphia, PA. March 18, 2004.
198. Saunders, S. K. Brosfske, **J. Chen**, and E. Gustafson. A comparison of associations among structural, functional, and compositional boundaries between two managed areas. The 19<sup>th</sup> Annual Symposium of International Association for Landscape Ecology. Las Vegas, NV. March 30 – April 2, 2004.
197. Brosfske, K. S. Saunders, **J. Chen**, T. Crow, and E. Gustafson. Effects of harvest regimes on plant distribution at the landscape scales. The 19<sup>th</sup> Annual Symposium of International Association for Landscape Ecology. Las Vegas, NV. March 30 – April 2, 2004.
196. Euskirchen, E., **J. Chen**. A dynamic landscape-scale model for simulating the effects of disturbance on ecosystem production and respiration. The 19<sup>th</sup> Annual Symposium of the International Association for Landscape Ecology. Las Vegas, NV. March 30 – April 2, 2004.
195. Bresee, M. J. LeMoine, S. Mather, **J. Chen**. Disturbance and landscape dynamics in CNF, WI, USA. March 30 - April 2, 2004. The 19<sup>th</sup> Annual Symposium of the International Association for Landscape Ecology. Las Vegas, NV.
194. **Chen, J.** Ecological research in complex landscapes: a call for developing sound hypotheses. The 19<sup>th</sup> Annual Symposium of the International Association for Landscape Ecology. Las Vegas, NV. March 30 – April 2, 2004.
193. Ma, S., A. Concilio, **J. Chen**, M. North. Disturbance effects on spatial variability of soil respiration vary with summer water conditions in an old-growth mixed-conifer forest. The 89th Annual Meeting of Ecological Society of America, Portland, OR. (Oral presentation), July 1 – Aug. 7, 2004.
192. Concilio, A.L., S. Ma, Q. Li, J. LeMoine, **J. Chen**, M. North, D. Moorhead, and R. Jenson. Soil respiration response to experimental disturbance in mixed conifer and hardwood forests. The 89th Annual Meeting of Ecological Society of America, Portland, OR. (oral presentation). July 1 – Aug. 7, 2004.
191. Bresee, M.K., S.R. Ryu, Q. Li, A. Noormets, **J. Chen**, D. Neher, K.D. Brosfske, and J.A. Rademacher. Photosynthesis of the dominant species in two climatically different landscape. The 89th Annual Meeting of Ecological Society of America, Portland, OR. (Poster), July 1 – Aug. 7, 2004
190. Ryu, S.R., A. Concilio, **J. Chen**, D. Neher, S. Ma, and M. North. Effects of experimental burning and thinning on soil respiration and belowground characteristics. The 89th Annual Meeting of Ecological Society of America, Portland, OR, (Oral presentation), July 1 – Aug. 7, 2004.
189. Radmacher, J.A., **J. Chen**, K.D. Brosfske, A. Noormets, S.R. Ryu, M.K. Bresee, and I. Illiczki. Variation in forest structure and carbon allocation within and between two northern mixed hardwood edges. The 89th Annual Meeting of Ecological Society of America, Portland, OR. (Oral presentation), July 1 – Aug. 7, 2004
188. Noormets, A., **J. Chen**, and T.R. Crow. Environmental regulation of ecosystem carbon fluxes in a managed landscape in northern Wisconsin. The 89th Annual Meeting of Ecological Society of America, Portland, OR. (Oral presentation), July 1 – Aug. 7, 2004.
187. **Chen, J.**, K. Brosfske, A. Noormets. Carbon, Water, and Energy Fluxes of Managed Forests in N. Wisconsin. Northwood Science Workshop, Wood, WI. Sept. 24, 2004.
186. **Chen, J.** Fires, Management, and land mosaic interactions. The 4<sup>th</sup> IUFRO8.03 Landscape Ecology Workshop, Tsuguba, Japan, (Poster), Oct. 24 – 29, 2004.

185. **Chen, J.**, Landscape research in the Chequamegon National Forest: an overview. The 4<sup>th</sup> IUFRO8.03 Landscape Ecology Workshop, Tsuguba, Japan, (Poster), Oct. 24 – 29, 2004.
184. **Chen, J.**, A. Noormets, K.T. Paw U, S. Ustin, T. Suchanek, G. Sun, S. McNulty, E. Euskirchen, J. DeForest, and K. Brosofske. Ecosystem Water Use Varies With Disturbance And Stand Age. 2004 Fall AGU Meeting, San Francisco, CA, Dec. 14, 2004.
183. Noormets, A., R. Zhou, and **J. Chen**. Forest-atmosphere carbon exchange of the oak openings oak savanna. Oak Opening Research Forum, (Poster), Jan. 28, 2005.
182. **Chen, J.** Carbon, water, and energy fluxes at USCCC sites in China. International Conference on Land Cover and Land Use Change Processes in North East Asia Region, Harbin, P.R. China, (Oral presentation), Feb. 2 – 5, 2005.
181. Clark, K. L., N. Skowronski, J. Hom, G. Starr, R. Bracho, and **J. Chen**. Development and application of a stand level fuel moisture index based on measurements of forest energy balance. EastFire Conference, Fairfax, VA. May 11–13, 2005.
180. Ryu, S., **J. Chen**, others. Simulating the effects of disturbances and age structure on fuel loading in forest ecosystems of northern Wisconsin, USA. EastFire Conference, Fairfax, VA. May 11–13, 2005.
179. Zheng, D., J.J. LaCroix, S. Ryu, **J. Chen**, J. Hom. Comparison of fire spread related to weather, landscape structure, management alternatives, and fuel loading in two landscapes: Northern Wisconsin and New Jersey pinelands, USA. EastFire Conference, Fairfax, VA. May 11–13, 2005.
178. LaCroix, J.J., D. Zheng, S. Ryu, Q. Li, **J. Chen**. The effect of patch edge on the direction and rate of fire spread in Wisconsin with comparisons to a New Jersey landscape. EastFire Conference, Fairfax, VA. May 11–13, 2005.
177. Sun, G., W. Cao, M. Gavazzi, A. Noormets, **J. Chen**, J. DeForest, C. Chescheir, D.M. Amatya, S. McNulty. Estimating Evapotranspiration in Three Contrasting Forest Ecosystems Using Eddy Covariance, Sapflow, and Soil Water Balance Methods. The 2005 Fall AGU Meeting, San Francisco, CA. Dec. 5–9, 2005
176. **Chen, J.** US-China Carbon Consortium (USCCC) and Its Contribution to Global Change Studies. U.S. Climate Change Science Program Workshop: Climate Science in Support of Decision Making, (Abstract and Poster). Washington D.C. Nov. 14–16, 2005
175. DeForest, J., G. Tenney, and **J. Chen**. Prescribed burning and oak Savanna restoration. The Oak Openings Research Forum. Jan. 20–21, 2006.
174. **Chen, J.** Land use and climate change on water fluxes of Inner Mongolia. NEESPI Annual Meeting, Austria. Feb. 22–26, 2006.
173. DeForest, McNulty, Sun, and **J. Chen**. Oak phenology and the contribution of respiration from soil and the organic horizon. The 91<sup>st</sup> Annual Meeting of Ecological Society of America. Memphis, TN, August 6–11, 2006.
172. **Chen, J.** et al. Ecosystem water use - a new concept. The IUFRO Canopy Processes Workshop. Boston, MA, (Poster), Oct. 7–14, 2006.
171. **Chen, J.** Land use, water budget, and energy balance in semi-arid Inner Mongolia. LULCU PI Meeting, October 10–11, 2006. Washington, DC, Nov. 7–9, 2006.
170. John, R., **J. Chen**, N. Lu, K. Guo, C. Liang, Y. Wei, and A. Noormets. Effects of land use on water fluxes in semiarid region of Inner Mongolia. Fall AGU Annual Meeting. San Francisco, CA. Dec. 8–12, 2006
169. Lu, N., **J. Chen**, and A. Noormet. Heat storage and energy balance closure across five forests of different ages. The 92<sup>nd</sup> Annual Meeting of ESA. San Jose, CA, (Oral presentation). Aug. 5–10, 2007.
168. Deforest, J.L. and **J. Chen**. Interannual climatic variation influences *Quercus spp.*, but not *Acer rubrum*, litter decomposition in a mixed oak forest. The 92<sup>nd</sup> Annual Meeting of ESA. San Jose, CA, (Poster). Aug. 5–10, 2007.
167. Song, B. X. Wang, TM Williams, EJ Gustafson, J. Hom, **J. Chen**, and T. Crow. Three-dimensional visualization of forest landscapes with fire and other disturbances. The 92<sup>nd</sup> Annual Meeting of ESA. San Jose, CA, (Poster). Aug. 5–10, 2007.
166. Chen, J. Land use and climate change effects on Inner Mongolia. NEESPI Asian Meeting, (Oral Presentation). Nov. 12, 2007.
165. Alstad, K. ... **J. Chen**. Estimating ET for a mixed oak forest using two methods: eddy-covariance and the soil water budget (Poster #1671). The AGU Fall Meeting. San Francisco, CA. Dec. 12, 2007.
164. Wilske, B. ... **J. Chen**. Effect of large scale popular plantations on the hydrology of semiarid areas in Inner Mongolia (Poster #1574). The AGU Fall Meeting. San Francisco, CA. Dec. 12, 2007.

163. **Chen, J.** Effects of land use on energy budget in the semi-arid region of Inner Mongolia. AGU Fall Meeting. San Francisco, CA, (Oral Presentation), Dec. 12, 2007.
162. Wilske, B., Lu, N., John, R. and **Chen, J.** Lessons learned from the "Effects of Land Use Change (LUC) on the Energy and Water Balance of the Semi-Arid Region of Inner Mongolia, China". 2008 NASA Carbon Cycle and Ecosystems Joint Science Workshop, University of Maryland, College Park, MD, (Poster), April 28 – May 2, 2008.
161. Lu, N., John, R., Wilske, B., Ni, J., and **Chen, J.** Impacts of land cover and vegetation heterogeneity on the spatial variability of surface soil moisture at the regional scale. Presentation, 2008 NASA Carbon Cycle and Ecosystems Joint Science Workshop, University of Maryland, College Park, MD (Poster), April 28 – May 2, 2008.
160. John, R., Lu, N., **Chen, J.**, Ni, J. and Wilske, B. Effects of land use change on inter-annual water fluxes in the semi arid Inner Mongolia. Poster Presentation, 2008 NASA Carbon Cycle and Ecosystems Joint Science Workshop, University of Maryland, College Park, MD. April 28 – May 2, 2008.
159. Lu, N., John, R., Wilske, B., Ni, J. and **Chen, J.** Predicting land surface properties based on land cover heterogeneity at the regional scale: a case study in the semiarid Inner Mongolia. Landscape Patterns and Ecosystem Processes-2008 US-IALE Symposium, Madison, WI, (Poster), April 6–10, 2008.
158. John, R., Lu, N., **Chen, J.**, and Wilske, B. Effects of land use change on inter-annual water fluxes in semi-arid Inner Mongolia. Landscape Patterns and Ecosystem Processes-2008 US-IALE Symposium, Madison, WI, (Poster), April 6–10, 2008.
157. Chen, J. Edges: the frontiers in landscape studies. The 23<sup>rd</sup> ILAE Annual Meeting (Oral Presentation), Madison, WI. April 6–10, 2008.
156. Gong, C., **Chen, J.** and Yu, S. Spatial-temporal dynamic of an urban landscape: Shenzhen as Hong Kong's rival in mainland China. Landscape Patterns and Ecosystem Processes — 2008 US-IALE Symposium (Poster Presentation). Madison, WI. April 6–10, 2008.
155. Sun, Ge, **J. Chen**, and others. Carbon and Water Cycles at USCCC Sites. The 2008 Annual ESA Meeting. Madison, WI, (Symposium Abstract), Aug. 4–8, 2008.
154. Noormets, S. G McNulty, M. Gavazzi, J.C. Domec, G. Sun, J. S King, **J. Chen**. Ecosystem carbon balance and vulnerability of soil carbon in a drained lower coastal plain loblolly pine plantation. Annual AGU Meeting, San Francisco, CA, Dec. 10, 2009.
153. **Chen, J.** USCCC: history, current and challenges. The 5<sup>th</sup> USCCC Annual Workshop, Beijing, P.R. China, Sept. 12, 2008.
152. Bo Song, **Jiquan Chen**, Janet M. Silbernagel, Kimberley D. Brosofske and Jerry F. Franklin. Spatial relationships between canopy structure and understory vegetation of an old-growth Douglas-fir forest. International Conference on Landscape Ecology and Forest Management, Chengdu, P.R. China. Sept. 16–22, 2008.
151. Gong, Chongfeng , Shixiao Yu, and **Jiquan Chen**. Species diversity of five major urban vegetation types in Shenzhen City, China. International Conference on Landscape Ecology and Forest Management, Chengdu, P.R. China, Sept. 16–22, 2008.
150. Schaefer, Jessica N., **Jiquan Chen**, and Kimberley D. Brosofske. Contribution of landscape elements to plant distribution in managed landscape. International Conference on Landscape Ecology and Forest Management, Chengdu, P.R. China, Sept. 16–22, 2008.
149. **Chen, J.** Edges in Fragmented Forest Landscapes -- The Frontiers in Landscape Studies. International Conference on Landscape Ecology and Forest Management, Chengdu, P.R. China, Sept. 16–22, 2008.
148. **Chen, J.** Climate Change, Nature, and Society. The HOME Program and the 4<sup>th</sup> Mangrove Conference, Xiameng, P.R. China, Sept. 26, 2008.
147. Sun, G., McNulty, S.G., **J. Chen**, and others. Science, Politics, and Policy: Lessons Learned from US-China Collaboration Research on Ecosystem Restoration. /Special Session /18 - Ecological Practices and Public Awareness: A Dialogue between the US and China. The 93rd Annual Meeting of the Ecological Society of America-/Enhancing Ecological Thought by Linking Research and Education//. Special Session, Milwaukee, WI, Aug. 6, 2008
146. Sun, G., S.G. McNulty, **J. Chen**. Variability of Hydrologic Response to Disturbances under a Changing Climate. Special Session, 22 – Bridging Ecohydrological Research from Arid Lands to Humid Environments.\* \* The 93rd Annual Meeting of the Ecological Society of America-/Enhancing Ecological Through Linking Research and Education//. Milwaukee, WI, Aug. 6, 2008.

145. Sun, G., K. Alstad, **J. Chen**, Shiping Chen, Ranjeet John, Guanghui Lin, Chenfeng Liu, Nan Lu, Steve McNulty, Haixia Miao, Asko Noormets, Changliang Shao, Osbert J. Sun, Burkhard Wilske, Wei Zeng, Zhiqiang Zhang, and Guangsheng Zhou. A Cross-Site Comparison on Ecosystem Evapotranspiration and Water Balances at 10 USCCC Sites: Implications of Management and Climate Change. The 5th US-China Carbon Consortium Annual Meeting and Workshop on Flux Data and Model Integration toward Understanding Land-Atmosphere Interactions, Beijing, P.R. China, Sept. 13, 2008.
144. **Chen, J.**, R. John, N. Lu, and B. Wilske. Key lessons on Water, Carbon, and Energy Fluxes for the Semi-arid Landscapes of Inner Mongolia. 2009 LCLUC Science Meeting, (poster). Washington D.C., March 30 – April 2, 2009.
143. **Chen, J.**, Terenzio Zenone, et al. Carbon Sequestration in US Midwest Region and GLBRC: Lessons from the flux towers. GLBRC T4 retreat. Kellogg Biological Station, MI, May 28–29, 2009.
142. Wilske, B, **J. Chen**, et al. Climate sensitivity of soil respiration in the oak openings, NW Ohio. The Great Lakes Regional Biogeochemistry Symposium, Kellogg Biological Station, MI, May 28–29, 2009.
141. Keeton, W., W.S. Burrascano, **J. Chen**, et al. A global analysis of temperate old-growth forests: commonality and variability in structure and function. The 94<sup>th</sup> Annual ESA Meeting, Albuquerque, NM. (Oral Presentation), Aug. 2–7, 2009.
140. Wilske, B., K. Hyojung, L. Wei, S. Chen, N. Lu, G. Lin, J. Xie, W. Guan, E. Pendall, B.E. Ewers and **J. Chen**. Evapotranspiration (ET) and regulating mechanisms in two semi-arid Artemisia-dominated shrub steppes at opposite sides of the globe. The 94<sup>th</sup> Annual ESA Meeting, Albuquerque, NM, (Oral Presentation), Aug. 2–7, 2009.
139. **Chen, J.** Effects of land use change on the energy and water balance of the semi-arid region of Inner Mongolia. Joint NASA LCLUC Science Team Meeting and GOFC-GOLD/NERIN, NEESPI, and MAIRS workshop. Almaty, Kazakhstan. (Oral Presentation), Sept. 15-19, 2009
138. Amiro, B., A. Barr, T.A. Black, M. Brown, **J. Chen**, K. Davis, A. Desai, M. Goulden, B. Law, H. Margolis, T. Martin, H. McCaughey, J. Randerson, J. Xiao. Disturbances and Carbon sequestration: Tower Flux Data from North American Forests. AGU Fall Meeting. 2009.
137. What Do We Know about CO<sub>2</sub>/H<sub>2</sub>O Fluxes? The 2009 Annual AGU Meeting. Dec. 16, 2009.
136. **Chen, J.**, P. Robertson, and K. Nadelhoffer. Ecosystem Responses to the Changing Climate in the Midwest, UMBS, MI. 2009.
135. Zenone, T., **J. Chen**, B. Wilske, M. Deal, S. Hamilton, P. Jasrotia., K. Kahmark, S. Bohm, and G. P. Robertson. Winter CO<sub>2</sub> fluxes in agricultural crops of Midwest US: effect of land use change for new biofuel crops. The GLBRC T4 Retreat, KBS, MI, Feb. 10-12, 2010.
134. Wilske, B., J. Xie, **J. Chen**, et al. Effect of land conversion on soybean photosynthesis, biometrics, and crop yield. The GLBRC T4 Retreat, KBS, February MI, Feb. 10-12, 2010.
133. Zenone, T., **J. Chen**, B. Wilske, M. Deal, S. Hamilton, P. Jasrotia., K. Kahmark, S. Bohm, and G. Robertson. Carbon dioxide fluxes from agricultural crops of the US Midwest: the effect of land use change for new biofuel cultivation. In Climate Change Vulnerabilities and Opportunities: Michigan and Beyond, Lansing, MI. April 26–27, 2010.
132. Zenone, T., **J. Chen**, Mike Deal, Burkhard Wilske, Stephen K. Hamilton, and G. Philip Robertson. CO<sub>2</sub> fluxes of transitional bioenergy crops: effect of land conversion. The 95th ESA Annual Meeting COS 4-5. 2010.
131. Xie, J., Haitao Li, Michael W. Deal, Wenbin Guan, Ge Sun, Bin Zhao, Jianye Xu, Haiqiang Guo, Changliang Shao, **J. Chen**. Seasonal variability of energy and carbon fluxes in an oak openings forest. The 95th ESA Annual Meeting COS 2-10. 2010.
130. Xu, J. and **J. Chen**. Interannual variability of soil respiration in managed forests in Ozarks, Missouri. The 95th ESA Annual Meeting COS 6-1. 2010.
129. Gelfand, I., T. Zenone, P. Jasrotia, **J. Chen**, Stephen K. Hamilton, and G. Philip Robertson. Conversion of CRP grassland to cropping systems for bioenergy production causes large CO<sub>2</sub> emissions. The 95th ESA Annual Meeting OOS 38-9. 2010.
128. Li, H., J. Xie, M. Deal, J. Xu, and **J. Chen**. Scale-specific analysis for time series data of carbon flux and its biophysical control factors in an oak forest ecosystem. The 95th ESA Annual Meeting COS 117-9. 2010.
127. Wilske, B., M. Deal, N. Lu, J.L. DeForest, Q. Li, A. Noormets, E. Cohen, G. Sun, R. John, and **J. Chen**. Climate sensitivity of soil respiration relative to minor topography in an oak forest, Ohio. The 95th ESA Annual Meeting COS 61-9. 2010.

126. **Chen, J.** and K. Brosofske. Plant Diversity and Landscape Mosaics across Heterogeneous Space. XXIII IUFRO Congress, Seoul, Korea. Aug. 23, 2010.
125. **Chen, J.**, R. John, N. Lu, G. Sun, C. Shao, L.Li, S. Wan, K. Guo, Q. Mu, and M. Zhang, and J. Xie. Climatic Change and Its Consequences on Gross Primary Production, Evapotranspiration, and Water Use Efficiency on Mongolia Plateau. The IUFRO Landscape Ecology Working Party, Bragança, Portugal. Sept. 21–27, 2010.
124. **Chen, J.**, R. John, F. Zhang, C. Shao, L. Li, N. Lu, L. Zhen, and Y. Zhang. Predicting Regional Plant Diversity and Ecosystem Productions of Carbon and Water from Distance. Drylands, Deserts and Desertification: *The Route to Restoration*, Sede Boqer Campus, Israel, Nov. 8–11, 2010.
123. **Chen, J.** C. Shao, L. Li, N. Lu, R. John, S. Chen, L. Zhen, Y.i Zhang, and O. Batkhishig. Carbon and Water Fluxes of Semiarid Mongolia: Coupled Effects of Climate and Land Use. Drylands, Deserts and Desertification: *The Route to Restoration*, Sede Boqer Campus, Israel, Nov. 8–11, 2010.
122. Zenone, J. **Chen**, Hamilton, and G. P. Robertson. CO<sub>2</sub> fluxes in transitional bioenergy crop: effect of land use change. AGU Annual Meeting, San Fransico, CA, Dec. 10, 2010.
121. Gelfand, I., T. Zenone, P. Jasrotia, **J. Chen**, S. Hamiltorn, and P. Robertson. Carbon debt of a CRP grassland converted to bioenenergry productions. GLBRC Sustainability Retreat: translating science into policy, Kellogg Biological Station, MI, (Poster), Feb 6–8, 2010.
120. Zenone, T., **J. Chen**, M. Deal, J. Xu, S. Hamilton, and P. Robertson. Impact of land use change on carbon balance for new bioenergy crops: GLBRC Sustainability Retreat: translating science into policy, Kellogg Biological Station, MI, Feb 6–8, 2010.
119. John, R., **J. Chen**, T. Zenone, J. Xu, M. Deal, A.K. Bhardwaj, R. Becker, and P. Robertson. Estimation of gross primary production across bioenenergry crop systems based through high resolution radiometry. GLBRC Sustainability Retreat: translating science into policy, Kellogg Biological Station, MI, (Poster), Feb 6–8, 2010.
118. Deal, M., J. Xu, R. John, P. Jasrotia, K. Kahmark, G.P. Robertson, and **J. Chen**. The allocation of C to above- and below-ground components in three bioenenergry crops. GLBRC Sustainability Retreat: translating science into policy, Kellogg Biological Station, MI, (Poster), Feb 6–8, 2010.
117. Xiao, J. K.J. Davis, **J. Chen**, M. Reichstein, D.D. Baldocchi, C. Beer, L. Chasmer, J.M. Chen, A.R. Desai, K. Ichii, A. Ito, R. John, M. Jung, T. Kato, W. Knorr, B.E. Law, S. Liu, Y. Luo, M. Mirco, Q. Mu, K. Naithani, D. Papale, S.W. Running, Y. Ryu, K.M. Schaefer, C.R. Schwalm, G. Sun, H. Tian, E. Tomelleri, C.A. Williams, B. Wylie, W. Yuan, L. Zhang. Advances in Upscaling of Carbon and Water Fluxes from Towers to Regional, Continental and Global Scales. Joint 2011 AmeriFlux Science Meeting and 3rd NACP All Investigators Meeting, New Orleans, LA, (Oral Presentation), January 31 – February 4, 2011.
116. Amiro, B., A. Barr, J. Barr, A. Black, R. Bracho, M. Brown, **J. Chen**, K. Clark, K. Davis, A. Desai, S. Dore, V. Engel, J Fuentes, A. Goldstein, M. Goulden, T. Kolb, M. Lavigne, B.E. Law, H. Margolis, T. Martin, H. McCaughey, M. Montes-Helu, A. Noormets, J. Randerson, G. Starr, J. Xiao. What have we learned from forest tower flux data following disturbance? Joint 2011 AmeriFlux Science Meeting and 3rd NACP All Investigators Meeting, New Orleans, LA, (Oral Presentation), January 31 – February 4, 2011.
115. Noormets, A., S.G. McNulty, J.C. Domec, M. Gavazzi, G. Sun, E. Treasure, G. Miao, S. Zhang, J.S. King, **J. Chen**. Forest carbon balance over its production cycle: the remaining uncertainties. What have we learned from forest tower flux data following disturbance? The Joint 2011 AmeriFlux Science Meeting and 3rd NACP All Investigators Meeting, New Orleans, LA, (Poster), Jan. 31 – Feb. 4, 2011
114. **Chen, J.**, R. John, etc. State of Drylands in East Asia (DEA). The Synthesis Workshop (NASA) on Dryland Ecosystems of East Asia (DEA): State, Changes, Knowledge Gaps, and Future. Kaifeng, China (Oral Presentation), July 18–20, 2011.
113. Zenone, T., **J. Chen**, M. Deal, S. K. Hamilton, and G. P. Robertson. Carbon assimilation and loss in early bioenergy systems: effect of land conversion of permanent grassland and agricultural sites. 3rd Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) Science Conference, Garmisch-Partenkirchen, Germany, Sept. 18-23, 2011
112. Zenone, T., **J. Chen**, M. Deal, J. Xu, S. K. Hamilton, and G. P. Robertson. CO<sub>2</sub> fluxes of transitional bioenergy crops: effect of land conversion. Ecological Society of America (ESA) Annual Meeting, Austin, TX, Aug. 7-8, 2012.
111. Zenone T,**J. Chen**, G P. Robertson. Carbon assimilation and loss in early bioenergy systems. The 2011 AGU Fall Meeting, CA, (Poster), Dec. 2011.

110. **Chen, J.** Extreme Heat and Drought Events and Their Impact on Forest Carbon/Water Fluxes at the AmeriFlux Oak Openings. The 2011 AGU Fall Meeting, (Oral Presentation), Dec. 2011.
109. Qi, J., **J. Chen**, P. Shan, X. Pan, Y. Wei, M. Wang, X. Xin. Understanding of Grassland Ecosystems under Climate Change and Economic Development Pressures in the Mongolia Plateau. The 2011 AGU Fall Meeting, (Poster), Dec. 2011.
108. John, R, **J. Chen**, A. Noormets, J. Xu. Modeling GPP in Semi-arid Inner Mongolia using MODIS Imagery and Tower-based Fluxes. The 2011 AGU Fall Meeting, (Poster), Dec. 2011.
107. **Chen, J.** and R Jensen. Carbon stories from MOFEP: gains, losses, and stocks of alternative management. Missouri Natural Resources Conference. Tan-Tar-A Resort, MO, Feb. 1–3, 2012.
106. Ozdogan, M., D. Brown, and **J Chen**. Land Use Change, Hydrology and Climate in Central Asia NASA LULCC Annual Meeting, Rockville, MD, (Oral Presentation), April 3–5, 2012.
105. **Chen, J.**, R. John, et al. Climate change, landuse, and ecosystems on Mongolia Plateau. NASA LULCC Annual Meeting. Rockville, MD, (Poster), April 3–5, 2012.
104. Qi, J., **J. Chen**, D. Ojima, F. Du, G. Han, M. Wang, X. Pan, X. Xin. Experiences and Challenges for Climate Adaptation in the Grassland Dominated Inner Mongolia Autonomous Region, China. NASA LULCC Annual Meeting, Rockville, MD, (Poster), April 3–5, 2012.
103. Goetz, S., K. DeBeurs, **J. Chen**, D. Brown, and J. Wang. Modeling Strategies for Adaptation (in the context of climate. NASA LULCC Annual Meeting, Rockville, MD, (Oral Presentation), April 3–5, 2012.
102. **J. Chen**. What Have We Learned from Recent FLUXNET Syntheses on NEE of Carbon, Water, and Energy? The 9<sup>th</sup> Annual USCCC Meeting. Changsha, Hunan, June 16, 2012.
101. Gelfand, I., T. Zenone, P. Jasrotia, **J. Chen**, S. K. Hamilton, G. P. Robertson. Carbon balance of converting conservation reserve program (CRP) grasslands to agriculture. The 97<sup>th</sup> Annual ESA Meeting. Portland OR, Aug. 5–10, 2012.
100. Bronson, D, and **J. Chen**. Forest canopy temperature: A comparison between an isotopic approach, and photosynthesis-weighted air temperature. The 97<sup>th</sup> Annual ESA Meeting. Portland OR, Aug. 5–10, 2012.
99. **Chen, J.** Coupling humans and nature at regional scales. The 97<sup>th</sup> Annual ESA Meeting. Portland OR, (Oral Presentation), Aug. 5-10, 2012.
98. Ouyang, Z-T., R. Becker, W. Shaver, **J. Chen**, Evaluating the sensitivity of wetlands to climate change with remote sensing techniques. Eco Summit 2012. Columbus, Ohio, (Poster) Sept. 30 – Oct. 5, 2012.
97. **Chen J**, R. John, C. Shao, Z. Ouyang, O. Batkhishig, J. Xiao, W. Yuan, A. Samanta, S. Ganguly, N. Moore-Vegetation response to extreme climate events and grazing on the Mongolian plateau from 2000–2010. 2013 LCLUC Annual Meeting. MD, April 2–4, 2013.
96. Su, YJ Su, **J Chen**, C Shao, W Shen, T Zenone, R John, M Deal, S Hamilton and G P Robertson. The Responses of Soil Respiration to Climate across Biofuel Crops and Land Use Histories. KBS LTER All Scientist Meeting. East Lansing, MI, April 5, 2013.
95. **Chen, J.** The role of woody plants in agro-ecosystems. Invited Lecture for the Department of Forestry, Fishery, and Wildlife, the University of Nebraska - Lincoln, NE, Feb. 1992.
94. **Chen, J.** Forest edges and edge effects: from stands to landscape. Invited Speaker for a Seminar at the University of Nebraska - Lincoln, NE, Feb. 1992.
93. **Chen, J.** Hierarchical changes of vegetation and microclimate across Ozark landscape. School of Natural Resources, the University of Missouri, March 1998.
92. **Chen, J.** Biocomplexity of ecosystems and their processes. The Natural Resources Research Lab (NREL), Ft. Collins, CO, April 2000.
91. **Chen, J.** Ecological implications of microclimate associated with buffered riparian zones. Symposium Speaker at 86<sup>th</sup> ESA Annual Meeting. Albuquerque, NM, Aug. 1998.
90. **Chen, J.** Conflicts between ecological dogmas and hierarchical theories. Harvard Forest Seminar Series. Harvard University, Oct. 1999.
89. **Chen, J.** Coherent spatial relationships between species distribution and production in an old-growth Douglas-fir forest. Harvard Forest Seminar, Petersham, MA, Jan. 2000.
88. **Chen, J.** Global warming has potentials to cause cooler soils. Ecosystem Science Seminar Series, Marine Biology Lab, Woods Hole, MA, Feb. 2000.
87. **Chen, J.** Variability and complexity in ecosystem science and landscape ecology. Michigan State University, East Lansing, MI, Jan. 2001.

86. **Chen, J.** Carbon studies and higher education. National Science Foundation at Woodruff, WI. Aug. 17, 2002.
85. **Chen, J.** Edge effects and fragmentation in US Forests. The 87<sup>th</sup> Annual Meeting of ESA Symposium, Tucson, AZ, Aug. 5, 2002.
84. **Chen, J.** Challenges for the Ecological Community in the 21st Century. College of Life Science. Inner Mongolia University, Hohhot, P.R. China, Sept. 7, 2002.
83. **Chen, J.** Landscape fragmentation and edge effects. International Academic Conferences on the Optimum Allocation of Water Resources and the Sustainable Development in Arid Zone. Hohhot, Inner Mongolia, P.R. China, (Oral Presentation) Sept. 9, 2002.
82. **Chen, J.** Fragmentation, edge effects, and carbon credits in disturbed landscapes. College of Life and Environmental Sciences, Nanjing University, Nanjing, P.R. China. Sept. 11, 2002.
81. **Chen, J.** Edge effects in disturbed land mosaics. SPEA Seminar Series, Indiana University, Bloomington, IN, Jan. 30, 2003.
80. **Chen, J.** Linking Ecosystem processes to landscape structure. Weekly Monster Seminar JAMs, Co-Sponsored by the NOAA/NMFS and the University of Washington (<http://www.nwfsc.noaa.gov/seminars/>). Seattle, WA, Feb. 20, 2003.
79. **Chen, J.** Linking Ecosystem processes to landscape structure. Ecolunch Seminar Series, Department of Biology, Bowling Green State University. Bowling Green, OH, Feb. 25, 2003.
78. **Chen, J.**, K. Brosowske, A. Noormets, et al. Carbon flux in disturbed land mosaics. Chequamegon Ecosystem-Atmosphere Study (ChEAS) 2003 Meeting, Kemp Natural Resources Station, Woodruff, WI, June 29 – July 2, 2003.
77. Noormets, A., **J. Chen**, et al. Carbon fluxes of five ecosystems. Chequamegon Ecosystem-Atmosphere Study (ChEAS) 2003 Meeting, Kemp Natural Resources Station, Woodruff, WI, June 29 – July 2, 2003.
76. **Chen, J.** Fires, management, and ecosystem processes. Korean Forest Service, Seoul, South Korea, Sept. 2, 2003.
75. **Chen, J.** Cumulative carbon flux in disturbed land Mosaics. Fudan University, Shanghai, P.R. China, Sept. 7 (AM), 2003.
74. **Chen, J.** Educational challenges for the ecological community in the 21<sup>st</sup> century. Shanghai, P.R. China, Sept. 7, (PM), 2003.
73. **Chen, J.** Cumulative carbon flux in disturbed land Mosaics. Beijing Forestry University, Beijing, P.R. China, Sept. 24, 2003.
72. **Chen, J.** Culture, People, and Nature of South Korea and P.R. China. Asian Forum, University of Toledo, OH, Oct. 3, 2003.
71. **Chen, J.** Carbon fluxes of disturbed landscapes. Institute of Applied Ecology, Chinese Academy of Science, Shenyang, P.R. China, Dec. 29, 2003.
70. Chen, J. Ecosystem studies. Inner Mongolia Agricultural University, Huhehot, P.R. China. Dec. 19, 2003.
69. **Chen, J.** Ecology and management of landscapes, IM Agricultural University. 2003.
68. **Chen, J.** Ecology and management of forested landscapes. Ohio University, Athens, OH, March 4, 2004.
67. **Chen, J.** Carbon fluxes in fragmented landscapes. Clusters of Interdisciplinary Research on International Themes (CIRIT) Seminar Series, Ohio State University, Columbus, OH, May 26, 2004.
66. **Chen, J.** Ecology and Management of Landscapes. Wuhan Botanical Garden, Chinese Academy of Science, P.R. China, July 22, 2004.
65. **Chen, J.** The coupled effects of land use and climate change on carbon flux in a forest landscape. Graduate Seminar Series, Dept. of Forestry and Natural Resource, Purdue University, IN, Sept. 28, 2004.
64. **Chen, J.** Climate change, land use, and Nek of managed landscape. Rutgers University, New Brunswick, NJ, Oct. 7, 2004.
63. **Chen, J.**, S. Saunders, K. Brosowske, T. Crow. Linking Ecology to Landscape Hierarchies. The 4<sup>th</sup> IUFRO8.03 Landscape Ecology Workshop, Tsuguba, Japan, (Keynote Speaker), Oct. 24–29, 2004.
62. **Chen, J.** Forest Carbon Sequestration in Managed Ecosystems. School of Forestry and Environmental Sciences, North Carolina State University, NC, March 14, 2005.
61. **Chen, J.** Carbon fluxes of disturbed landscape in a changing climate. Institute of Atmospheric Physics, Chinese Academy of Sciences, China, July 14, 2005.

60. **Chen, J.** Carbon fluxes and USCCC. Meteorological Bureau of China, Beijing, P.R. China, July 15, 2005.
59. **Chen, J.** Nature's Wonders. The Saturday Science Lectures. June 3, 2006.
58. **Chen, J.** Water and energy fluxes are tightly related to landuse in dominant ecosystems, of the semiarid region of Inner Mongolia. International Conference on Forest and Water in a Changing Environment. Beijing, P.R. China, (Keynote), Aug. 8–10, 2006.
57. **Chen, J.** Ecosystem Level Gas Exchange Measurement Techniques. 2006 Annual Meeting of the Society for Horticultural Science, New Orleans, LA, July 29, 2006.
56. **Chen, J.** Ecology of landscapes and region. Sichuan Academy of Forestry. Aug. 15, 2006.
55. **Chen, J.** Water and carbon fluxes of Inner Mongolia. Inner Mongolia Academy of Forestry. Aug. 3, 2006.
54. **Chen, J.** Ecology of multiple forest ecosystems in time and space. IUFRO 8 Landscape Ecology Conference, Bari, Italy, (Keynote Address), Sept. 26–29, 2006.
53. **Chen, J.** Linking ecology to landscapes. Wuhan Botanical Garden, CAS, June 6, 2007.
52. **Chen, J.** Science of Landscapes. The Graduate University of CAS, Beijing, P.R. China. June 20, 2007.
51. **Chen, J.** Keeping carbon in the terrestrial ecosystems to battle global warming. Invited panelist for the "National Conversation on Climate Actions". City of Toledo, OH, Oct. 4, 2007.
50. **Chen, J.** Developing Research Proposals. In "Applying for Fellowships and Grants: Tips from the Pros". The 23<sup>rd</sup> IALE Annual Meeting. Madison, WI, April 5, 2008.
49. **Chen, J.** Global climate Change and ecosystem responses. The Graduate University of the Chinese Academy of Sciences, (five lectures), June 16–20, 2008.
48. **Chen, J.** Biogeographic Landscapes of China – Ecology, Culture, Economics, and People. International Conference on Landscape Ecology and Forest Management, Chengdu, P.R. China, Sept. 16–22, 2008.
47. **Chen, J.** et al. CO<sub>2</sub> and H<sub>2</sub>O fluxes and multi-resource use at the scale-up plots of the GLBRC. The Great Lakes Regional Biogeochemistry Symposium, Kellogg Biological Station, May 28–29, 2009.
46. **Chen, J.** Interdisciplinary Science is Real, not a Bluff. Institute of Applied Ecology, CAS. July 15, 2009.
45. **Chen, J.** Carbon storage and fluxes in managed forest ecosystems and landscapes. Academia Sinica, Taiwan, Dec. 7, 2009.
44. **Chen, J.** Challenges in ecological education. National Tsungtsin University, Taiwan, Dec. 9, 2009.
43. **Chen, J.** Interdisciplinary Science in changing climate, National University of Taiwan, Dec. 11, 2009.
42. **Chen, J.**, Ranjeet John, Nan Lu, Burkhard Wilske, Changliang Shao, Linhao Li, Lin Zhen, Shiqiang Wan, and others. Changes of Ecosystem and Societies on the Mongolia Plateau: Coupled Regulations of Landuse and Changing Climate. The 2009 Annual AGU Meeting. Dec. 17, 2009.
41. **Chen, J.** Applications of statistical methods in ecological research. Dept. of Math and Statistics, Bowling Green State University, March 26, 2010.
40. Zenone T, Gelfand I, **Chen J**, Hamilton S.K. Robertson G.P Carbon balance during land conversion in early bioenergy systems 20<sup>th</sup> European Biomass Conference and Exhibition Milan, Italy, June 18–22, 2012.
39. **Chen, J.** Landscape Ecology: An introduction. National Taiwan Normal University. Dec. 3, 2010.
38. **Chen, J.** Net exchange of carbon, water, and energy using EC methods: what have we learned for ecosystem studies? International Symposium on Forest CO<sub>2</sub> Flux, Sitou, Taiwan, Dec. 6, 2010.
37. **Chen, J.** Evolution of tower-based flux measurements in ecosystem studies. International Symposium on Forest CO<sub>2</sub> Flux, Sitou, Taiwan, Dec. 6, 2010.
36. **Chen, J.** Methods on quantifying ecosystem fluxes. International Symposium on Forest CO<sub>2</sub> Flux, Sitou, Taiwan, Dec. 6, 2010.
35. **Chen, J.** Radio presentation on "Environment" at the WJR Station, Detroit, Michigan, Dec. 21, 2010.
34. **Chen, J.** Interactive Changes of Ecosystems and Societies on the Mongolian Plateau. Conservation Ecology Seminar Series. School of Natural resources, University of Michigan, April 9, 2011.
33. **Chen, J.** Applications of statistical methods in ecological research. Dept. of Mathematics, University of Toledo, April 11, 2011.
32. **Chen, J.** What have we learned in ecosystem science? Department of Environmental Sciences, University of Toledo, Sept. 16, 2011.
31. **Chen, J.** Coupled changes in climate, ecosystems, and societies. Department of Chemistry, University of Toledo, Jan. 18, 2012.

30. Sun, G. X. Feng, J. Xiao, A. Shiklomanov, S. Wang, **J. Chen**. Climate change, land management, and water resources in the Drylands East Asia. The 97<sup>th</sup> Annual ESA meeting, Portland OR, Aug. 5-10, 2012.
29. **Chen, J.** Eddy-Covariance Method and Net Ecosystem Exchanges of Trace Gases. Institute of Applied Ecology, Shanghai Academy of Environmental Sciences, June 4, 2012.
28. **Chen, J.** Coupled Changes of Ecosystem, Environment and Societies: Lessons from Recent FLUXNET. Institute of Applied Ecology, Shanghai Academy of Environmental Sciences, June 4, 2012
27. **Chen, J.** What have we learned from recent FLUXNET synthesis on ecosystem carbon water, and energy balance? Redbud forum on global change Biology, Tsinghua University, June 29, 2012.
26. **Chen, J.** Landscapes, people, and ecosystem services in a changing world. IUFRO7.01.08 Hydrology Conference, Kahramanmaraş, Turkey, (Keynote Address). Sept. 3-6, 2012.
25. **Chen, J.** Ecosystem Carbon and Water Fluxes in a Changing Climate and Society: What Have We Learned in Ecosystem Studies? Environmental Research Center, West Virginia University, Sept. 13, 2012.
24. **Chen, J.** Ecosystems, People, and Renewable Energy in a Changing World. Environment Agency, Abu Dhabi, UAE, Jan. 21, 2013.
23. **Chen, J.** Smog: A combination of Stable Air and Pollution, Asia Forum, Sponsored by The Asian Studies Institute, University of Toledo, March 22, 2013.
22. **Chen, J.** Harmonizing human and nature for the changing globe. Lake Erie Public lecture, April 18, 2013.
21. Chu, H.S., **Chen, J.**, Ouyang, Z., Deal, M., John, R. and Gottgens, J.F. CO<sub>2</sub> and H<sub>2</sub>O fluxes in different ecosystems altered uniquely by similar climatic extremes. AGU Fall Meeting 2012, San Francisco, CA (Poster), Dec. 3-7, 2012.
20. Yan, Y., **Chen, J.**, Apul, D., Heben, M., Amar, J., Ellingson, R., Jha, R., Podraza, N., Solocha, A., Stepien, C. Earth abundant thin film solar cells as a sustainable energy pathway, NSF Sustainable Energy Pathways Grantee Meeting, Arlington, VA, June, 2013.
19. Zenone, T., **Chen, J.**, Gelfand, I., Robertson, G.P., Hamilton S.K. Carbon balances during land conversion in early bioenergy systems. San Francisco, CA,(Poster), Dec. 6, 2012.
18. **Chen, J.**, Zutao, O., John, R., Chu, H., Zenone, T., Deal, M., and Gottgens, J. (Climatic Extremes Significantly Alter Carbon Fluxes in Time and Space. B34A-03. Impacts of Extreme Climate Events and Disturbances on Carbon Dynamics II, San Francisco, CA, Dec. 3-7, 2012.
17. Chu, H.S., **Chen, J.**, and Gottgens, J.F. Contribution of methane and lateral carbon fluxes in a temperate marsh carbon budget. The 4<sup>th</sup> Midwest Graduate Research Symposium, Toledo, OH (Oral Presentation), April 20, 2013.
16. John, R., **Chen, J.**, Zutao, O., Batkishig, O., Samanta, A. Ganguly, S., Yuan, W., and Xiao, J. Vegetation response to extreme climate events on the Mongolian plateau from 2000-2010. GC31A-0978. Environmental, Socioeconomic, and Climatic Change in Northern Eurasia and their Feedbacks to the Global Earth System III, San Francisco, California, (Poster), Dec. 3-7, 2012,
15. Chu, H.S., **Chen, J.**, and Gottgens, J.F. Contribution of methane and lateral carbon fluxes in a temperate marsh carbon budget. 2013 ESA Meeting, Minneapolis, MN (Oral Presentation), August 4-9, 2013.
14. **Chen, J.** Coupled human and natural systems on Mongolia Plateau: Lessons from the past research. The Sino-German Joint Workshop. The Sustainable Management of Grassland Ecosystems. Hailar, Inner Mongolia, Aug. 18, 2013.
13. **Chen, J.** Coupled human and natural systems on Mongolia Plateau. The Sino-German Joint Workshop. Erguna, Inner Mongolia, Aug. 17, 2013.
12. **Chen, J.** Ecosystem carbon and water fluxes in a changing climate and society. Chinese Academy of Forestry, June 26, 2013.
11. **Chen, J.** What have we learned in ecosystem studies? INGSNRR, June 25, 2013.
10. **Chen, J.** Concepts and applications of coupled human and natural systems. The 7<sup>th</sup> ISOME and 4<sup>th</sup> IYEF Conference, June 11, 2013.
9. **Chen, J.** Harmonizing People and Nature on Mongolia Plateau and Elsewhere. Department of Geography, University of Toronto, Canada, Oct. 21, 2013.
8. **Chen, J.** Harmonizing People and Nature on Mongolia Plateau and Elsewhere. Center for Global Change & Earth Observations, Michigan State University, MI, Oct. 24, 2013.

7. Shao, C., **J. Chen**, C. A. Stepien, T.Bridgeman, K. P. Czajkowski, R. Becker, H. Chu, and Z. Yang. Eddy covariance measurement of carbon, latent and sensible heat fluxes from western Lake Erie. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.
6. Abraha, M. G., **J. Chen**, H. Chu, S. K. Hamilton, T. Zenone, R. John, Y. Su, and G. P. Robertson. Evapotranspiration dynamics of biofuel crops with different land use histories. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.
5. Su, Y.J., **J. Chen**, C. Shao, W. Shen, T. Zenone, R. John, M.Deal, S. K. Hamilton, and G.P. Robertson. Response of soil respiration to climate across biofuel crops and land use histories. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.
4. Yang, Z., **J. Chen**, R. Becker, H. Chu, J. Xie, and C. Shao. Disentangling the confounding effects of PAR and air temperature on net ecosystem exchange in time and scale. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.
3. John, R., **J. Chen**, Z. Yang, J. Xiao, M. Abd Salam M. El Vilaly, A.Samanta, S.Ganguly, O. Batkhishig and G. Zhang. Long term trends in GPP and ET on the Mongolian Plateau in context of climate and land cover/land use change. The 2013 AGU Fall Meeting. San Francisco, CA, (invited speaker), Dec. 9–13, 2013.
2. Wei, C., J. M. Chen, **J. Chen**, J.Yu, C. Cheng, Y. Lai, P. Chiang, C. Hong, C. Chang, T. Wey, M. Tsai, and Y. Wang. Preliminary study on the relationships between aboveground storage and remotely sensed data at Pingdong plain afforestation land in Southern Taiwan. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.
1. Niu, S., Y. Luo, D. Hui, and **J. Chen**. Phenological and physiological mechanisms underlying interannual variability of terrestrial net ecosystem production. The 2013 AGU Fall Meeting. San Francisco, CA, Dec. 9–13, 2013.

#### **RESEARCH GRANTS (Total: ~\$26.34 million)**

- 90 **Chen, J.**, et al. Development of Key Curriculums for Ecology and Environmental Sciences in Kazakhstan Academic Institutions. American Council. **\$39,600**, summer 2020.
- 89 Celik I and **J. Chen**. PURSUIT: Energy-Water Nexus Analysis of Solar Energy Industry. SESYNC/NSF, 2 years.
- 88 **Chen, J.**, J Zhao, and R. John. Interdependent dynamics of food, energy and water in Kazakhstan and Mongolia: Connecting LULCC to the transitional socioecological systems. NASA/LCLUC, 3 years, 1/1/20 – 12/31/22, **\$890K**
- 87 Fan, P. and **J. Chen**. Urbanization, economic development, environmental change, and social conditions: A global assessment and regional perspective. **\$5000**, SPDC Mini-Grant. Summer 2019.
- 86 Fan, P, **J. Chen**, Z. Kotval-Karamchandani, and Y.Cui. Human Health and Causes across the Physical-Social Landscapes in Michigan Cities. SPDC Director's Interdisciplinary Research Initiative Fund 1 year, **\$12,900**, 1/19-12/30/19
- 85 **Chen, J.**, K. Dahlin, and R. John. Socioecological Carbon Production in Managed Agricultural-Forest Landscapes. NASA Carbon Cycle Science, 1/2016-12/2018, **\$975,357**
- 84 **Chen, J.** and P. Robertson. *Quantify the impact of albedo changes on the energy balance of bioenergy crops*, GLBRC, 12/12/17 – 11/30/2018( \$153553 + \$8500 = **\$162,053**); 12/1/18-11/30/29 (**\$175,679**), 12/1/19-11/30/20 (**\$201,338**)
- 83 **Chen, J.** Natural and Socioeconomic Functions of Urban Greenspaces: European Cities in a Global Context. VISTAS/ESPP, MSU, 10/2015-5/2016, **\$4080**
- 82 **Chen, J.** WaterQube, 2015-2016, **\$20,000**
- 81 **Chen J** and E. Moran. A Team for Coupled Human and Environmental MacroSystems (TeamCHEMS) in a Changing Globe. ESPP, MSU. 1/1/15-12/31/16, **\$10,000**.
- 80 Fan, P.L. and **J. Chen**. Urbanization and Sustainability Under Global Change and Transitional Economies: Synthesis from Southeast, East and North Asia (SENA). LULCC-NASA Step II proposal, 5/1/2015–4/30/2017, **\$749,638**.
- 79 Stepien et al. (Chen-Senior Sci), Undergraduate Research and Mentoring - Using the Lake Erie Sensor Network to Study Land-Lake Ecological Linkages. NSF DBI #1461124.
78. Gelfant, Robertson, **Chen** et al. Study of effect of land-use on soil N<sub>2</sub>O emissions using ecosystem level

- measurements with an open-path N<sub>2</sub>O analyzer and static chamber methods. EAGER/NSF, submitted on 8/27/2013, **\$130,000**.
- 77. **Chen, J.** Conservation biology management in urban areas regarding plant species. Visiting Faculty Award (Beyatza Gungor, Turkey). University of Toledo, Summer 2014, **\$5,000**.
  - 76. **Chen, J.** and D. Brown. Ecosystems and Societies on Double-Headed Mongolian Plateau. LCLUC/NASA 4/1/14–3/30/2017, **\$806,063**.
  - 75. **Chen, J.**, Jones, John, Zhang, and Kinnucan. Ecosystems and Societies of Outer and Inner Mongolia: Divergent Trajectories and Coevolution. CNH/NSF, (submitted 11/20/2012), 9/1/13 – 8/30/18, **\$1,364,000**.
  - 74. **Chen, J.** and others. International Center for Ecology, Meteorology, and Environment, NUIST, 1/2013 – present, **\$2,400,000** (15,000,000 RMB).
  - 73. **Chen, J.** and R. John. Evaluation of Terrestrial Condition Assessment (TCA) of Restorations for Forest Service Lands. USDA Forest Service, 9/1/12 – 8/31/14, **\$20,000**.
  - 72. **Chen, J.** Biophysical Constraints and Resource Use Limitations for Maximizing Biofuel Production. GLBRC/DOE, 12/1/2012 – 11/30/2017, **\$829,742**.
  - 71. Yan, **Chen**, Apul, Defne, Heben, and Bigioni. Earth Abundant Thin-Film Solar Cells as a Sustainable Solar Energy Pathway. The Sustainable Energy Program, NSF, 9/1/12 – 8/31/16, **\$1,930,067**.
  - 70. **Chen, J.**, K. Czajkowski, R. Becker, and J. Gottgens. Responses of West Lake Erie Basin to Climate Change. NOAA, 6/1/10 – 5/31/12, **\$97,900**.
  - 69. Stepiens, **Chen**, Becker, Bridgman, and Czajkowski. FSML: Environmental Sensor System for the Lake Erie Center. NSF, **\$350,000**, 2011–2013.
  - 68. Martin, G. J. **Chen**, H. Gottgens, J. Anderson, and J. Kirchhoff. A Path Toward and Environmentally Secure Future through Ecosystem Research and Monitoring. ARI of the National Science Foundation, **\$4,130,773**.
  - 67. **Chen, J.** Direct Assessment using Cluster Eddy-Covariance Towers. Great Lakes Bioenergy Research Center. 12/1/2009 – 11/31/2012, \$388,000 + 14,283 + \$72,000 (equipment match) + Bridging: 9/1 - 11/30/12: **\$35,224** (DE-FC02-07ER64494)= **\$513,307**.
  - 66. **Chen, J.** Diagnose the Coupled Effects of Climate and Landuse on Regional CO<sub>2</sub>, H<sub>2</sub>O and Energy. Chinese Natural Science Foundation, **\$200,000**.
  - 65. **Chen, J.** Interactive Changes of Ecosystems and Societies on the Mongolian Plateau: From Coupled Regulations of Land Use and Changing Climate to Adaptation. NASA\_LULCC, 5/1/2009 – 4/30/2010, **\$629,474**.
  - 64. **Chen, J.** Biophysical Constraints and Resource Use Limitations for Maximizing Biofuel Production. GLBRC-DOE, 12/1/2008 – 11/30/2009, \$125,277 + \$20,000 = **\$145,277**.
  - 63. **Chen, J.** Landscape Ecology and Forest Management: Challenges and Solutions. NASA-LCLUC, 3/1/2008 – 12/31/2008, **\$20,000**.
  - 62. Moorehead, D., C. Stepein, **J. Chen**, A. Sponberg, P. Lindquist, K. Czajkowski. Integrating Environmental and Public Health of Urban Ecosystems. UT's Program for Excellence. **\$50,000**.
  - 61. **Chen, J.** Support for the IUFRO Landscape Ecology Conference. The Northern Global Change Program, **\$4,875**, 2008.
  - 60. **Chen, J.** Coupled effects of climate and land use on ecosystem carbon and water cycles. Southern Global Change Program, **\$100,016**, 6/1/2007 - 5/31/2008.
  - 59. **Chen, J.** Landscape Ecology and Forest Management: Challenges and Solutions. USDA Forest Service, \$20,000+\$16,641 = **\$36,641**.
  - 58. **Chen, J.** Carbon Flux and Storage in Mixed Oak Forests of MOFEP. 7/1/2007 – 6/30/2011, **\$145,321**, Missouri Department of Conservation.
  - 57. Moorhead, Stepiel, **Chen**, and others. Integrating environmental and public health of urban ecosystems. Program for Academic Excellence (PAE), University of Toledo. **\$15,000**.
  - 56. **Chen, J.** Bridging environmental education and research with institutions in P.R. China. The Kohler International Travel Funds, University of Toledo. **\$400**.
  - 55. **Chen, J.** Talent Oversea Ecology team. Institute of Botany, Chinese Academy of Sciences, 1/2005 – 12/2007, **\$125,000** (RMB 1,000,000).
  - 54. **Chen, J.** Advance ecological lecture series, Fudan University. 5/2004 - 4/2007, **\$281,000** (RMB 2,250,000).

53. **Chen, J.** S. McNulty, A. Noormets, G. Sun, G. Lin, and Y. Wang. Effects of Land Use Change on the Energy and Water Balance of the Semi-Arid Region of Inner Mongolia, P.R. China. NASA, 9/1/2005 - 8/30/2008, \$571,837 + \$142,606 = **\$714,443**.
52. **Chen, J.**, H. Gottgens, et al. Team building and training of a nationally competitive research group at the University of Toledo to participate in the NSF-NEON. University Toledo, **\$30,000**.
51. **Chen, J.** Simulating Fire Spread in Eastern Forest Landscapes. Northern Global Change Program, 07/2002 - 12/31/2005, \$25,000+\$8,854=**\$33,854**.
50. **Chen, J.** Research expertise catalog of biological programs. National Park Service and CESU. 14.5 Months, 6/15/2004 - 9/30/2006, (\$20,000 + \$6,654 = \$26,654) + (\$10,000 + \$2,254 = \$12,254) =**\$38,908**.
49. **Chen, J.** and A. Noormets. Coupling the effects of management and climate on carbon and water fluxes in the forests of eastern U.S. and P.R.C. Southern Global Change Program and the OBOR Action Fund, Year 1: \$251,610 + \$180,000 + \$241,075 = **\$672,685**, Year 2: \$165,252 + \$110,587 = **\$275,839**, Year 3: **\$100,068**.
48. **Chen**, Noormets, Sun, Mickler. Coupling the effects of management and climate on carbon and water fluxes in the forests of eastern U.S. and P.R.C. Southern Global Climate Change Program, 9/1/2003 – 5/31/2004, \$267,595 + \$94,607 = **\$362,202**.
47. **Chen** and Zheng. Aboveground biomass estimation using satellite remote sensing in Missouri Ozark Forest: calibration with Russian scientist. USDA Forest Service Southern Station, 4/1 – 8/30/2003, \$4260 = **\$11,899**.
46. Goldman, **Chen** and Stutzenstein. Development of Spatial Database within a GIS Platform for Environmental Education and Research. UAC, **\$4,308**.
45. **Chen**. Global Warming Has Potential To Cool The Temperate Soils. Summer research award and fellowships program, University of Toledo, **\$5,000**.
44. **Chen**. Kohler international travel funds, University of Toledo, **\$1,000**.
43. **Chen** and Brosofske. REU Supplement 0218097, National Science Foundation, 2001/2002, **\$6,000**.
42. **Chen** and Moorhead. Carbon flux and storage in mixed oak forests of the Ozark landscape. 7/2002 – 6/2006, (\$119,122 + \$99,157 = \$218,279) + (\$41,565 + \$38,087 = \$79,652) = **\$297,931**.
41. **Chen**, Saunders, Song, Crow, Cleland, and North. Development of spatially-explicit decision tool for fire management at landscape levels. The Joint Fire Science Program, 10/1/2001 – 9/30/2004, \$618,742 + \$379,309 = **\$998,051**.
40. **Chen** and Brosofske. Carbon exchange and cumulative NEP of disturbed land mosaics. National Science Foundation, 9/1/2001 – 8/31/2004, \$553,970 + \$114,521 = **\$668,491**.
39. **Chen**. Projecting changes in carbon stores related to management and forest succession in a regional forest, The Northern Global Climate Change Program and USDA FS NC Station, ~ \$70000 + OV = **\$99,400**.
38. **Chen**. Adaptive landscape management: a synthesis from the Chequamegon National Forest. Michigan's Research Excellent Funds, 2/1/2001- 1/31/2002, **\$35,956**.
37. Perlinger, **Chen**, and Cantrell. Micrometeorological equipment for cross-campus atmospheric science research and teaching, C<sup>2</sup>E<sup>2</sup> Grant, 11/30/2000, **\$11,715**.
36. **Chen** and Euskirchen. Carbon Sequestering in Managed Forest Landscapes: Application of Mobile Flux Measurement Lab, USDA Forest Service NC Station, 10/1/2000 – 9/30/2001, \$30,000 + OH = **\$44,100**.
35. Bridgham, Pastor, Roulet, Frolking, **Chen**, and Weltzin. Biocomplexity-incubation Activity on Biocomplexity in Peatlands, National Science Foundation, 10/1/2000 - 9/30/2002, **\$99,500**.
34. **Chen**, Jurgensen, Ma. Temporal and Spatial Patterns of Soil Respiration and microclimate and Their Relationships to Disturbances in Teakettle Experimental Forest, 4/1/2000 – 3/30/2001, \$30,000 + OH = **\$44,100**.
33. Saunders and **Chen**. Sustainability and Management of Ecosystems and Landscape in the Great Lakes Region: Transferring Science to Natural Resource Management. USDA FS NC Station, 8/28/1999 – 8/15/2001, \$118,772. + OH = **\$174,595**.
32. Saunders and **Chen**. Ecological Synthesis of the Chequamegon National Forest Landscape Project, USDA FS NC Station, 01/27/1999 – 06/30/1999, \$25,320 + OH = **\$37,220**.
31. **Chen** and Zheng, Physical and Vegetation Responses to Stand and Landscape Structure: a Synthesis, Missouri Department of Conservation, 7/199 – 6/30/2000, \$121,000 + OH = **\$177,870**.

- 30 Oelfke, Peterson, **Chen**, and Jurgensen. Determine the Impacts to the Natural Fire Regime Due to Moose Browsing at Isle Royal National Park, Michigan. National Park Service, 7/2000 – 6/2002, **\$220,581**.
29. **Chen** and Jurgensen. Ecosystem Responses to Disturbances in Teakettle Experimental Forest, McIntire-Stennis Funds, 9/1/1998 – 8/30/2000, **\$28,000**.
28. Mroz, Reed, **Chen**, Jurgensen. Designing Regeneration Systems for Sustainable Management of Lake States Forest Wetlands, USDA National Res. Initiative (NRI), 10/1997 – 9/2000, **\$181,357**.
27. **Chen** and Desanker. Adaptive Landscape Management: Hypothesis, Options, Returns, USDA National Res. Initiative (NRI), 9/1997 – 8/2000, **\$228,000**.
26. **Chen**. Carbons and Energy Flow and Plant Community Response to Climate Change in Peatlands, National Science Foundation, 8/1997 – 7/2001, **\$1,200,450**.
25. **Chen**, Shaw, and Harmon. Integrated ecosystem studies at the Wind River Canopy Crane Site, Earthwatch and Durfee Foundation, 1998, \$9,600 + OH = **\$14,112**.
24. **Chen**. Applications of remote sensing data in landscape analysis, RSI of the Research Excellence Fund of Michigan State, 1997/1998, \$2,903 + 1998/1999, \$23,000 = **\$25,903**.
23. **Chen** and Zheng. Species Distribution Across Ozark Landscape, Missouri Department of Conservation, 7/1/1998 – 6/30/1999, \$10,000+ OH = **\$14,700**.
22. Pregitzer, **Chen**, et al., Collaborative research on below ground ecosystem function. DISPRO of EPA, 83 6/1/1998 – 5/31/2001, \$699,783 + others = **\$1,400,000**.
21. Saunders and **Chen**. Ecological Synthesis of the Chequamegon National Forest Landscape Project, USDAFS NC Station, 12/21/1998 – 8/21/1999, \$25,320 + OH = **\$37,220**.
20. **Chen**. CO<sub>2</sub> and H<sub>2</sub>O Fluxes of Managed Forests in Responding to Global Climate Change, WESTGEC/NIGEC/DOE, 7/1/1997 – 6/30/2000 \$150,000 + others = **\$450,000**.
19. **Chen**, Halvorsen, Pickens, Mroz, Jurgensen, and Pilant. Integrating Ecological, Economic, and Social Concerns in a Common Landscape, Research Excellence Fund of Michigan State, 12/1/1997 – 11/30/2000, \$136,000 + \$35,956 supplement funds for 2001 = **\$171,956**.
18. **Chen** and Jurgensen. Microclimate and its Relationship to Soil Processes in Teakettle Experimental Forest, USDA Forest Service PSW Station, 4/1998 – 3/2001, \$89,454 + OH = **\$131,497**.
17. **Chen**, Shaw, and Rudnicki. Integrated Ecosystem Research at the Wind River Canopy Crane Facilities, Carson, Washington. Earthwatch and Durfee Foundation, 1997, **\$8,850**.
16. Paw U, **Chen**, and Ustin. Monitoring Sensible Heats, CO<sub>2</sub>, and H<sub>2</sub>O at the Wind River Canopy Crane Site. WESTGEC/NIGEC, 1996-1997, **\$234,541**.
15. **Chen**, Paw, and Ustin. Monitoring Forest Microclimate and Forest-atmosphere Exchange of CO<sub>2</sub> and H<sub>2</sub>O at the Wind River Canopy Crane Site in a Douglas-fir Forest, USDA Forest Service, 6/20/1996 – 12/31/1997, \$19,000 + OH = **\$27,930**.
14. **Chen**, MTU, and Boyle. A Symposium for “Current and Emerging Ecological and Environmental Issues in Asia” at 81st Annual Meeting in Providence, RI, Ecological Society of America, 1996, **\$1,500**.
13. **Chen**. Micronet Equipment for teaching C<sup>2</sup>E<sup>2</sup> Equipment Funds, Michigan Technological University, May 1995, **\$3,500**.
12. **Chen**. Earthwatch, Characterizing the 3-dimensional Structure of Spruce-fir Forest Canopies at the Changbaishan Natural Reserve (CNR), 6/1 – 12/31/1996, **\$16,000**.
11. Mroz, Reed, **Chen**, and Jurgensen. Wetland Research, Mead Paper, 8/1/1995 – 7/30/1996, **\$15,000**.
10. Pregitzer, MaClean, **Chen**, and Reed. Sustainable Management of Forest Landscapes: the Two-hearted Watershed, The Nature Conservancy, Michigan Chapter, 4/1995 – 12/1995, **\$2,000**.
9. Mroz, **Chen**, Gale, Jurgensen, and Reed. Sustainable Development of Forested Wetlands: Michigan Tech's Program on the Structure and Function of Wetland Ecosystems. Research Excellent Funds. 1/1/1995 – 12/31/1997, \$234,000, Mead Paper, Publishing Division, \$15,000/yr since 1995, total = **\$279,000**.
8. **Chen**, Bradshaw, and Franklin. Canopy Structure and Microclimate: Description, Modeling, and Responses. USDA Forest Service, Pacific Northwest Experimental Station, New Perspectives Program, 6/1/1994 – 5/31/1998, \$42,000 + OH = **\$61,740**.
7. **Chen**, Naiman, Franklin, and Harris. Development of an Empirical Model to Predict Temperature and Moisture Gradients Across Managed Stream Ecosystems, Water-land Interactions (PNW), 6/1/1994 – 12/31/1995, \$10,000 + OH = **\$14,200**.

6. **Chen** and Brookshire. Growing Season Microclimate and Vegetation Responses Across an Oak Forest Landscape of Southeast Missouri Ozarks, U.S.A., Missouri Department of Conservation, 8/1994 – 5/1998, \$130,000 + OH = **\$191,100**.
5. **Chen** and Crow. Relating Microclimate, Vegetation, and Decomposition to Landscape Patterns on the Chequamegon National Forest, Wisconsin, USDAFS NC Station and Graduate School Training Fellowship, 4/1/1994 – 6/30/1998, \$150,470 + OH = **\$221,191**.
4. **Chen** and Franklin. Microclimate and Alternative Silviculture, USDA Forest Service, Pacific Northwest Experimental Station, 9/1993 – 12/1995, \$30,000 + OH = **\$44,100**.
3. **Chen**, Naiman, Franklin, and Harris. Microclimate Associated with Alternative Systems. Water-land Interactions (PNW), 1/1993 – 12/1994, and **\$14,130**.
2. **Chen**, Naiman, and Franklin. Microclimatic Pattern within Riparian Systems, USDA Forest Service, Pacific Northwest Experimental Station, Water-land Interaction Program, 1/1993 – 12/1995, **\$20,000**.
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