

CURRICULUM VITAE

3/6/2026

JIQUAN CHEN

University Distinguished Professor

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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, Lansing, MI (2014 – Present)
- Professor, University of Toledo, Toledo, OH (2001 – 2014)
- Bullard Fellow, Harvard University, Boston, Massachusetts (1999 – 2000)
- Assistant/Associate Prof, Michigan Tech University, Houghton, MI (1993 – 2001)
- Post-Doctoral Research Associate, Olympic Natural Resources Center (1991 – 1993) and Center for Streamside Studies (1992 – 1993), University of Washington

AWARDS & RECOGNITIONS

- University Distinguished Professor, Michigan State University (May 2025)
- Distinguished Scholarship Award, American Association of Geographers (AAG) (2025)
- Outstanding Service Award, US-China Carbon Consortium (USCCC) (2024)
- Scientific Achievement Award, International Union of Forest Research Organizations (2024)
- The Fulbright “Global Scholar Award” (2021-2022)
- Excellent publishing experience, *Ecological Process* (Springer Nature), (2020, 2021, 2022)
- William J. Beal Outstanding Faculty Award (MSU) (2020)
- Fellow, Ecological Society of America (ESA) (2014)
- Fellow, American Association for the Advancement of Science (AAAS) (2011)
- Norbert Gerbier-MUMM Award, 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)
- First Prize for “Achievement in Higher Education”, Shanghai City (2009)
- 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 (2004)
- Sigma Xi/Dion D. Raftopoulos Award, University of Toledo, Toledo, OH (2004)
- Research Expert, Korean Forest Service (2003)

MEMBERSHIPS

- American Geophysical Union (AGU) (2005 – Present)
- Ecological Society of America (1987 – Present)
- American Association for the Advancement of Science (1/2010 – Present)
- *International Union of Forest Research Organizations (IUFRO)* (1992-present)
- Xi Sigma Pi (1989 – Present)

- Society for Conservation Biology (1996 – 2009)
- Society of American Foresters (1993 – 2005)
- International Association for Landscape Ecology (1991 – 2005, 2009-2017)
- Northwest Sciences (1998 – 2002)

PROFESSIONAL SERVICE (selected)

- **Editor in Chief:** *Ecological Processes*, SpringerNature, (1/2016 – Present)
- **Editor in Chief:** *Landscape Ecology*, book series, SpringerNature (8/2014 – 12/2020)
- **Editor in Chief:** *Ecosystem Science & Applications*, ESA Book Series, HEP-MSU (5/2011 –)
- **Chair:** IUFRO Landscape Ecology Working Group (1/2005 – 12/2013)
- **Chief Scientist:** US-China Carbon Consortium (USCCC) (12/2003 – Present)
- **President:** Chinese Association of Greater Toledo (2012; 2006 – 2009)
- **Team Leader.** *Society for Conservation Biology* Delegation to P.R. China (2000).
- **Chair.** Asian Ecology Section, *Ecological Society of America* (ESA) (1995–1996)
- **President:** Association of Chinese Faculty and Staff, University of Toledo (2008 – 2010)
- **Chair.** NEON Initiatives, University of Toledo (2005–2014).
- **Editorial Board:** *Environmental Research: Ecology* (7/2022 -); *Land* (1/2021 – 5/2023); *Sustainability* (6/2023 – Present); *Scientific Reports* (2023 -); *Frontiers in Forests and Global Change* (9/2018 -); *Expert Opinion on Environmental Biology* (5/2014 -); *Agricultural and Forest Meteorology* (2012 -); *Landscape Ecology* (5/2011 – 12/2022); *Vegetation of China* (3/22/2019 -); *Biosciences (BIOSCI)* (2/2010 -); *Forest Ecology and Management* (9/2007 -); *The Open Conservation Biology Journal* (2007 – 2020); *Journal of Plant Ecology* (12/2004 – 9/2016); *Acta Ecologica Sinica* (1998 – 2015); *Review of Global Change Research* (2009-2010); *Frontiers of Forestry in China* (10/2005 – 12/2009); *SciTechnol* (2012 – 2013); *Acta Applied Ecologica* (1997 – 2009); *Atmosphere* (8/2020 – 1/2022); *Journal of Integrative Plant Biology* (12/2007 – 7/2008); *Bioscience* (2014); *Forest Science* (2004 – 2005); *Environmental Research* (2016 - 2017), *Southeastern Naturalist* (5/2005 – 8/2005)
- **Member.** Strategic Plan Working Group, MSU (2022–present).
- **Board Member.** Lansing Buddhist Association (LBA), Lansing, MI (2025–present).
- **Co-Chair.** Univ Strategic Planning Committee, University of Toledo (2009– 2012).
- **Member.** UT Energy Strategy Task Force to Representative Marcy Kaptur (2004–2005).
- **Member.** Strategic Planning Committee, University of Toledo (2003– 2004).
- **Board Member.** The Chinese School, Toledo, OH (2009–2012).
- **Chair.** Tenure and Promotion Committee, Michigan Technological University (2000).

Reviewer For Professional Journals/Programs and foundations

- Frequent reviewer for 36 scientific journals: total > 500
- Panel and Reviewer and for major foundations: total = 141
- External reviewer for Tenure & Promotion package: total = 28

PUBLICATIONS

- Web of Science: <https://publons.com/researcher/1700310/jiquan-chen/>
- Google Scholar: <http://scholar.google.com/citations?user=fv8umPcAAAAJ&hl=en>
- Researchgate: https://www.researchgate.net/profile/Jiquan_Chen
- SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=8985856500>

Books Authored/Edited (13), including,

1. **Chen, J.** 2021. *Biophysical Models and Applications in Ecosystem Analysis*. East Lansing: Michigan State University Press. doi:10.14321/j.ctv1h1vc27. 172 pp.

2. Gutman, G., **J. Chen***, G., Henebry, M. Kappas (eds.). 2020. Landscape Dynamics of Drylands across Greater Central Asia: People, Societies, and Ecosystems.
3. **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.
4. **Chen, J.** and Yang, S. (Eds.) 2014. Methods for Terrestrial Ecosystem Studies. Higher Education Press 362 pp.
5. **Chen, J.**, Liu, S., Lucas, R., Sun, P., Laforteza, R., and Delp Taylor, L. (Eds.) 2008. Landscape Ecology and Forest Management: Challenges and solutions. IUFRO8.01.02, 192 pp.
6. **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, 311 pp.
7. **Chen, J.**, Li, B., Ma, Z., and Zhao, B. (Eds.) 2005. Challenges Facing Ecologists: Questions and Approaches, Higher Education Press, Beijing, P.R. China. 244 pp.
8. Dong, Q. and **Chen, J.** 2002. Nature's Giving. Fujian Education Press, Fuzhou, P.R. China. 192 pp.

Edited Special Issues (11)

- **Eleven Species Issues**
- **Journals:** *Scientific Reports* (2024), *Remote Sensing* (2022), *JGR-Atmospheres*, *JGR-Biogeosciences*, and *JGR-Earth Surface* (2019), *Urban Systems. Landscape & Urban Planning* (2016); *Environmental Research* (2016 and 2017), *BioScience* (2015), *Landscape Ecology* (2014), *Journal of Geophysical Research–Biogeosciences* (2011), *Journal of Integrative Plant Biology* (2008), *Agricultural and Forest Meteorology* (2008), *Forest Science* (2004 and 2005).

JOURNAL ARTICLES

See Bibliography File

Total articles = 625; Total books = 13

Citation Metrics

Web of Science (accessed on 3/7/2026)

Citation = 33,495; H-Index = 88; Document = 473

Scopus (accessed on 3/6/2026)

Citation = 37,935; H-Index = 93; Document = 511

Google Scholar (accessed on 3/6/2026)

Citation = 56,336; H-Index = 113; i10-index= 447

RESEARCH PROJECTS

- Total 101 projects, >\$34 million in funding NSF, NASA, DOE, EPA, USDA, States, ADB, etc.
 - Ten selected examples
- 1) **Chen, J.**, Kurt Theling, etc. Empowering Michigan Farmers: An AI-Based Forecasting and Management System for Building Resilient Agriculture (AI4AgSys), Agricultural Climate Resiliency Competitive Grants Program, Michigan State, 5/2025 – 4/2028
 - 2) **Chen, J.** Sustainable Environmental Performance of Bioenergy Systems: Carbon and Water Cycling. GLBRC/DOE, 12/2009 – 11/2027
 - 3) **Chen, J.**, J Zhao, & R. John. Interdependent dynamics of food, energy and water in Kazakhstan and Mongolia. NASA/LCLUC, 1/2020 – 12/2022
 - 4) **Chen, J.**, K. Dahlin, & R. John. Socioecological Carbon Production in Managed Agricultural-Forest Landscapes. NASA Carbon Cycle Science, 1/2016 – 12/2018

- 5) **Chen, J.**, Jones, John, Zhang, & Kinnucan. Ecosystems and Societies of Outer and Inner Mongolia: Divergent Trajectories and Coevolution. NSF/CNH, 9/2013 – 8/2018
- 6) **Chen, J.** Carbon Flux and Storage in Mixed Oak Forests of MOFEP. MOFEP, 7/2007 – 6/2011
- 7) **Chen, J.** and P Desanker. Adaptive Landscape Management: Hypothesis, Options, Returns, USDA National Res. Initiative (NRI), 9/1997 – 8/2000
- 8) **Chen, J.** and others. Carbons and Energy Flow and Plant Community Response to Climate Change in Peatlands, NSF, 8/1997 – 7/2001
- 9) Pregitzer, K and **Chen, J.** Collaborative research on below ground ecosystem function. DISPRO, EPA, 6/1998 – 5/2001
- 10) **Chen, J.** CO₂ and H₂O Fluxes of Managed Forests in Responding to Global Climate Change, WESTGEC/DOE, 7/1997 – 6/2000

PRESENTATIONS

- 486 presentations at professional meetings (e.g., AGU, ESA, SCB, EGU, etc.) since 1992

TEACHING & TRAINING (Selected)

Michigan State University, East Lansing, MI

- GEO103: Introduction to Climate Change Studies (3 credits)
- GEO409: Global Climate Change and Variability (3 credits)
- GEO827: Digital Image Processing and Analysis (4 credits)
- GEO873: Human–Environment (3 credits)
- GEO874: Climatic Change, Impacts, and Biophysical Modeling (3 credits)
- GEO886: Research Design in Geography (3 credits)
- GEO892: Environmental Instrumentation (3 credits)

University of Toledo, Toledo, OH

- EEES 6980 / MATH 5780: Global Change Ecology (Spring 2013, 3 credits)
- EEES 4750 / 5740: Conservation Biology (4 credits)
- EEES 4760 / 6760: Landscape Ecology (4 credits)
- EEES 6660 / 8660: Biophysical Processes of Ecosystems (3 credits)

Michigan Technological University, Houghton, MI

- W3020: Forest and Landscape Ecology (3 credits)
- FW5411: Analysis of Ecological Data II (3 credits)
- FW5090: Biophysics and Ecosystem Processes (3 credits)
- FW210: Forest Ecology (Fall 1993, 4 credits)
- FW443: Landscape Ecology (3 credits)
- FW509: Forest Microclimate and Measurements (3 credits)
- FW551A: Quantitative Methods for Spatial Data (2 credits)
- FW483: Integrated Forest Resource Management III (3 credits)

Harvard University, Cambridge, MA

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

Graduate Students Advised & Served

- 26 Ph.D.; 16 M.S.; 24 Postdocs
- Committee Member: 38 Ph.D. and 26 M.S. students