

CURRICULUM VITAE

JIANGUO (JINGLE) WU

Dean's Distinguished Professor of Sustainability Science
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Short Biography

Dean's Distinguished Professor of Sustainability Science, School of Life Sciences & School of Sustainability, *Arizona State University*, Tempe, Arizona, USA. B.S. (1982) in biology from *Inner Mongolia University* and M.S. (1987) and Ph.D. (1991) in ecology from *Miami University*, Oxford, Ohio, USA. National Science Foundation (NSF) postdoctoral fellow at *Cornell University* (1991-1992) and *Princeton University* (1992-1993). Current research areas: landscape ecology, urban ecology, and sustainability science. Authored 14 books and about 300 journal articles and book chapters (<http://LEML.asu.edu/Jingle/>).

Editor-in-Chief of *Landscape Ecology* since 2005, and Editorial Board member for several international journals on ecology and interdisciplinary research. Other professional services: *Chair of Asian Ecology Section* of Ecological Society of America (1999-2000); *Program Chair* of the US Association for Landscape Ecology (US-IALE) in 2001; *Councilor-at-Large* of US-IALE (2001-2003); *Founding Director* of Sino-US Center of Conservation, Energy and Sustainability Science (2007-); *Founding Director* of Center for Human-Environment System Sustainability (CHESS), Beijing Normal University (2012-). Major awards and honors: *American Association for the Advancement of Science (AAAS) Award for International Scientific Cooperation* (2006); *Elected AAAS Fellow* (2007); *Leopold Leadership Fellow* (2009); *Distinguished Landscape Ecologist Award* from United States Association for Landscape Ecology (2010); *Served with Distinction as Editor-in-Chief of Landscape Ecology* from the United States Association for Landscape Ecology (2010); *Outstanding Scientific Achievements Award* from International Association for Landscape Ecology (2011); *Distinguished Service Award* from the United States Association for Landscape Ecology (2012); *Outstanding International Scientific and Technological Cooperation Award*, The Government of Inner Mongolia Autonomous Region (2012); *Employee Service Recognition, 20 Years of Valued Service*, Arizona State University (2016).

ACADEMIC POSITIONS

- 2008 – **Dean's Distinguished Professor** of Sustainability Science, School of Life Sciences and School of Sustainability, Arizona State University, Tempe, AZ 85287
- 2010 – **Senior Sustainability Scientist**, Global Institute of Sustainability, Arizona State University, Tempe, AZ 85287
- 2005 – **Professor**, School of Life Sciences and School of Sustainability, Global Institute of Sustainability, ASU, Tempe, AZ 85287
- 2001 – 2005: **Associate Professor**, School of Life Sciences, Arizona State University, Tempe, AZ 85287

- 1999 – 2001: **Associate Professor**, Department of Life Sciences, ASU-West, Phoenix, AZ 85069
- 1995 – 1999: **Assistant Professor**, Department of Life Sciences, ASU-West, Phoenix, AZ 85069
- 1993 – 1995: **Assistant Research Professor**, Biological Sciences Center, Desert Research Institute, University of Nevada System, Reno, NV 89506 (10/1993-8/1995)
- 1993 – 1994: **Senior Research Associate** (joint appointment), Department of Forestry, Fisheries and Wildlife, University of Nebraska, Lincoln (9/1993-2/1994)
- 1992 – 1993: **NSF Postdoctoral Research Associate**, Department of Ecology and Evolutionary Biology, Princeton University, Princeton (8/1992-9/1993)
- 1991 – 1993: **NSF Postdoctoral Research Associate**, Section of Ecology and Systematics, Cornell University, Ithaca (9/1991-8/1993)
- 1987 – 1991: **Teaching Fellow**, Botany Department, Miami University, Oxford (8/1987-8/1991)
- 1989, 1990: **Summer Lecture Instructor**, Botany Department, Miami University
- 1986 – 1987: **Teaching Assistant**, Botany Department, Miami University, Oxford
- 1985 – 1986: **Visiting Scientist**, Department of Land, Air and Water Resources, University of California, Davis, CA 95616 (9/1985 – 8/1986)
- 1982 – 1985: **Assistant Professor**, Department of Biology, Inner Mongolia University, Hohhot, China (3/1982 – 9/1985)

EDUCATION AND TRAINING

- Postdoc: NSF Postdoctoral Fellow, Cornell University and Princeton University (1991-1993);
Mentor: Simon A. Levin
- Ph. D.: Miami University (8/1991), Department of Botany, Oxford, OH (Mentors: John L. Vankat and Orië L. Loucks)
- M. S.: Miami University (8/1987), Department of Botany, Oxford, OH
- B. S.: Inner Mongolia University (1/1982), Department of Biology, Hohhot, China

HONORS AND AWARDS

- 2016 Employee Service Recognition, 20 Years of Valued Service, Office of Knowledge Enterprise Development, Arizona State University, April 29, 2016
- 2016 Certificate of Appreciation for 20 Years of Valued Service, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University, March 28, 2016
- 2012 Outstanding International Scientific and Technological Cooperation Award, The Government of Inner Mongolia Autonomous Region, Hohhot, October 2012
- 2012 Distinguished Service Award, The United States Association for Landscape Ecology (US-IALE), April 2012
- 2011 Outstanding Scientific Achievements Award, International Association for Landscape Ecology (IALE), August 2011
- 2010 Distinguished Landscape Ecologist Award, The United States Association for Landscape Ecology (US-IALE), April 2010
- 2010 Service with Distinction Award for Editor-in-Chief of Landscape Ecology, The

- United States Association for Landscape Ecology (US-IALE), 2010
- 2009 2009 Leopold Leadership Fellow (Woods Institute for the Environment, Stanford University)
- 2008 Dean's Distinguished Professorship in landscape ecology and sustainability science, Arizona State University (2008-2013)
- 2007 Elected Fellow of the American Association for the Advancement of Science (AAAS fellow)
- 2006 AAAS Award for International Scientific Cooperation (\$5000), American Association for the Advancement of Science (AAAS)
- 2006 Certificate of Appreciation for Outstanding Service, National Science Foundation (NSF) Ecosystem Panel (2001-2006)
- 2003 Certificate of Appreciation for Service as Councilor-at-Large (2001-2003), The US Association of Landscape Ecology (US-IALE)
- 2003 – 2005 Distinguished Scholar of the 100-Talent Programme, Chinese Academy of Sciences, Beijing, China (Host institution: Institute of Botany, CAS, Beijing)
- 2001 Award of Outstanding Books in Science and Technology, China (Wu 2000. Landscape Ecology. Higher Education Press, Beijing)
- 2000 – Who's Who in America , Marquis Who's Who, New Providence, NJ, USA (since 54th Edition 2000)
- 1996 Honorable Mention of the Best Paper in Landscape Ecology (Wu and Loucks 1995), Annual Meeting of the US Association of Landscape Ecology
- 1991 – 1993 US National Science Foundation (NSF) Postdoctoral Fellowship
- 1991 Charles Heimsch Award for Teaching Excellence in Botany, Miami University
- 5/1990 Jeff Stein Memorial Graduate Scholarship, Miami University, Oxford, OH
- 1989 – 1990 Dissertation Fellowship, Miami University, Oxford, OH
- 1988 – 1999 Graduate Students' Achievement Award; 4 times, Miami University, Oxford, Ohio

Guest Professorships

- 2012 – Distinguished Guest Professor and Founding Director, Center for Human-Environment System Sustainability (CHESS), Beijing Normal University, Beijing
- 2007 – 2012 Distinguished Guest Professor, Inner Mongolia University, Hohhot
- 2007 – 2012 Distinguished Guest Prof., Institute of Botany, Chinese Academy of Sciences
- 2006 – 2009 Distinguished Guest Professor (Guangbiao Guest Professor), Zhejiang University, Hangzhou, China
- 2006 – 2011 Distinguished Guest Professor, Inner Mongolia Agricultural Univ, Hohhot
- 2013 – 2016 Guest Professor, Tsinghua University, Beijing
- 2009 – 2014 Guest Professor, Ningxia University, Yinchuan, China
- 2009 – 2014 Guest Professor, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing

- 2006 – 2011 Guest Professor, Beijing University, Beijing
- 2003 – 2008 Guest Professor, Graduate School of Chinese Academy of Sciences, Beijing
- 2003 – 2008 Advisory Professor, East China Normal University, Shanghai
- 2000 – 2005 Guest Professor, International Institute of Earth Sciences, Nanjing University
- 1996 – 2007 Guest Professor, Institute of Botany, Chinese Academy of Sciences, Beijing
- 1994 – 2007 Adjunct Professor, Inner Mongolia University, Hohhot, China

PROFESSIONAL LEADERSHIP AND SERVICES

Professional Leadership:

- 2005 – Editor-in-Chief, *Landscape Ecology*, the flagship journal of the International Association for Landscape Ecology, published by Springer
- 2012 – Founding Director, Center for Human-Environment System Sustainability (CHESS), Beijing Normal University, Beijing
- 2004 – Chair of the Academic Committee for the International Symposium on Modern Ecology Series (ISOMES)
- 2007 – 2012 Founding Director, Sino-US Center for Conservation, Energy, and Sustainability Science in Inner Mongolia (SUCCESS)
- 2007 – 2012 Founding Director, Beijing Normal University Center for Landscape Ecology and Sustainability Science (CLESS), Beijing, 2007-2012
- 2003 – 2010 Advisor to the President's Office on China Affairs, Arizona State University
- 2001 – 2003 Councilor-at-Large, The US Association of Landscape Ecology (US-IALE)
- 2000 – 2001 Program Chair, The United States Association of Landscape Ecology (US-IALE)
- 1999 – 2000 Chair, Asian Ecology Section, Ecological Society of America (ESA)

National and International Panels and Committees:

National & International Committees

- 2017 – 2022 Science Advisory Board, Committee of Sustainable Use of Resources and Disaster Risk Reduction, Chinese Society of Natural Resources
- 2016 – International Advisory Board, The Global Biosphere Institute of Brazil, Rio de Janeiro
- 2013 – Member, Awards Committee, the US Association of Landscape Ecology (US-IALE)
- 2014 International Review Panel for Research Assessment of Environmental and Sustainability Sciences, organized by the Netherlands Research School for Socio-economic and Natural Sciences of the Environment (SENSE), June 9-13, 2014
- 2009 External Review Panel for Evaluating the Performance of Research Institutes of the Chinese Academy of Sciences, 2009
- 2001 – 2006 US National Science Foundation (NSF) Ecosystems Panel (2001, 2003, 2004, 2005, 2006)
- 2004 – 2007 The National Natural Science Foundation of China (NSFC) Ecology Panel (2004, 2005, 2006, 2007)

- 2005 – 2006 US Environmental Protection Agency (EPA) Office of Research and Development, Board of Scientific Counselors, Ecological Research Subcommittee, 2005-2006
- 2000 – 2004 US EPA STAR Graduate Fellowship Review Panel (2000, 2002, 2004)
- 1999 – 2004 US EPA Research Proposal Review Panel (1999, 2001, 2004)
- 2000 – 2002 Urban/Suburban Ecosystems Work Group, The State of the Nation's Ecosystems Project, Heinz Center for Science, Economics and the Environment, Washington, DC, 2000–2002
- 2000 US EPA EMAP Research Strategy Review Panel, Dec. 14-15, 2000, Research Triangle Park
- 1999 US Environmental Protection Agency (EPA) Review Panel, Information and Computing Technology for Multi-Discipline Ecosystem Modeling, August 4-6, 1999
- 1997 – 2000 Task Leader, International Geosphere-Biosphere Programme (IGBP), Global Change and Terrestrial Ecosystems (GCTE), Task 2.1.4 (Semiarid and Arid Ecosystems), 1997–2002
- 1999 – 2008 Member, Foreign Scholar Travel Award Committee, the US Association of Landscape Ecology (US-IALE), (1999-2008)
- 1998 NASA/NSF/USDA/DOE/NOAA Review Panel, Terrestrial Ecology & Global Change
- 1997 US EPA Review Panel, Landscape/ Environmental Assessment Project, May 1997

Other National and International Professional Services

- 2013 – International Forum Series on Landscape Sustainability Science (*LSS Forum Series*)
- Chair, The 5th International Forum on Landscape Sustainability Science, Beijing, August 18-20, 2017
 - Chair, The 4th International Forum on Landscape Sustainability Science, Beijing, June 6-8, 2016
 - Chair, The 3rd International Forum on Landscape Sustainability Science, Beijing, June 8-10, 2015
 - Chair, The 2nd International Forum on Landscape Sustainability Science, Beijing, May 27-31, 2014
 - Chair, The 1st International Forum on Landscape Sustainability Science, Beijing, June 27-29, 2013
- 1994 – International Symposium Series on Modern Ecology (*ISOMES Series*)
- Chair, Academic Committee, The 9th International Symposium on Modern Ecology (ISOME-9), Shanghai, May 15-18, 2017
 - Chair, Academic Committee, The 8th International Symposium on Modern Ecology (ISOME-8), Tianjin, June 11-14, 2015
 - Chair, Academic Committee, The 7th International Symposium on Modern Ecology (ISOME-7), Guangzhou, June 9-15, 2013
 - Chair, Academic Committee, The 6th International Symposium on Modern Ecology (ISOME-6), Nanjing, August 1-6, 2011
 - Chair, Academic Committee, The 5th International Symposium on Modern Ecology (ISOME-5), Lanzhou, June 25-July 2, 2009
 - Chair, Academic Committee, The 4th International Symposium on Modern Ecology (ISOME-4), Hohhot, May 28-June 3, 2007

- Chair of the Academic Committee, The 3rd International Symposium on Modern Ecology (ISOME-3), Beijing, June 1-7, 2005
- Member, Academic Committee, 2nd Intern. Symposium on Modern Ecology (ISOME-2), Beijing, June 15-19, 1999
- Member, Academic Committee, 1st International Symposium on Modern Ecology (ISOME-1, Hohhot, Sept. 4-13, 1994

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- 2017 International Advisory Committee, the 9th Ecosystem Services Partnership (ESP) World Conference, Shenzhen, China, December 11-15, 2017
- 2017 Co-organizer, Symposium on Landscape Sustainability Science – Linking Biodiversity, Ecosystem Function, Ecosystem Services, and Human Wellbeing, the 12th International Congress of Ecology (INTECOL 2017), Beijing, August 21, 2017
- 2017 Co-organizer, Symposium on Evolving Landscapes under Institutional Change, Globalization, and Cultural Influence in Contrasting Urban Systems, the 2017 Annual Meeting of the US Association of Landscape Ecology (US-IALE), April 10, 2017
- 2016 Co-organizer, Symposium on Climate change and landscape sustainability of global drylands, the 2016 Annual Meeting of the US Association of Landscape Ecology (US-IALE), April 6, 2016
- 2015 Co-organizer, Symposium on Urban Landscape Ecology: Global Perspectives, at the 9th World Congress on Landscape Ecology, Portland, Oregon, July 5-10, 2015
- 2015 Conference Co-Chair, International Workshop of Habitat Fragmentation and Biodiversity Conservation in the Thousand Island Lake, Chuan'an, Zhejiang, China, May 3-10, 2015
- 2014 Co-Chair, Academic Committee, The 3rd International Conference on Energy and Environmental Protection, Xi'an, China, April 26-27, 2014
- 2013 Chair, Organizing Committee, Urban Ecology Symposium, Beijing Normal University, Beijing, May 31, 2013
- 2013 Co-Chair, Academic Committee, The 2nd International Conference on Energy and Environmental Protection, Guilin, China, April 20-21, 2013
- 2012 Co-Chair, Academic Committee, The 1st International Conference on Energy and Environmental Protection, Hohhot, June 23-24, 2012
- 2011 Academic Committee, The 8th World Congress on Landscape Ecology, Beijing, August 18-23, 2011
- 2010 Co-Chair, Academic Committee, The International Symposium on Adaptive Management of Family Farms in Temperate Grasslands, Hohhot, Inner Mongolia, July 24-27, 2010
- 2009 Co-Organizer, Special Session on Biodiversity and Ecosystem Function: Current Trends and Future Directions. The 94th ESA Annual Meeting, Albuquerque, August 2-7, 2009
- 2009 Academic Committee, International Symposium on Grassland Ecosystem Research: Issues and perspectives, Beijing, August 12-14, 2009
- 2004 Member, Organizing Committee, International Symposium on Biological Invasion, Beijing, June 8-11, 2004

- 2004 Co-Organizer, Symposium on Interdisciplinary and Transdisciplinary Approaches for Sustainable Landscapes. At the Annual Symposium of US Association for Landscape Ecology, Las Vegas, March 30-April 2, 2004 (with B. Tress, G. Tress, and G. Fry)
- 2003 Organizer, Symposium on Key Issues and Research Questions in Landscape Ecology, The 2003 World Congress on Landscape Ecology, Darwin, Australia, July 13-17, 2003
- 2003 Member, Academic Committee, The 4th National Congress on Landscape Ecology, Beijing, Dec. 12-15, 2003
- 2002 Organizer, Workshop on Scaling and Uncertainty Analysis in Ecological Studies, Arizona State University, Tempe, AZ, USA, October 17-19, 2002
- 2002 Co-Chair of Academic Committee, International Symposium on Ecosystem Succession Theory and Ecological Restoration, Guangzhou, December 27-29, 2002
- 2002 Member, Academic Committee, International Symposium on Urban Forestry and Eco-Cities, Shanghai, Sept. 16-22, 2002
- 2002 Co-organizer (with L. Musacchio), Symposium on Cities of Resilience: Integrating Ecology Into Urban Planning, Design, Policy, And Management, at the 87th Annual Meeting of the Ecological Society of America, Tucson, Arizona, USA, August 7, 2002
- 2001 Chair of Organizing Committee, 2001 Annual Symposium of the US Association for Landscape Ecology (US-IALE), Arizona State University, Tempe, AZ, April 24-29, 2001
- 2001 Organizer, Special Session on the Top 10 List in Landscape Ecology. 2001 US-IALE Annual Symposium, Arizona State University, Tempe, AZ, April 24-29, 2001
- 2000 Organizer, Symposium on Urban Landscape Ecology: Integrating Ecology with Geography, The 2000 Annual Meeting of International Association of Landscape Ecology, US Section, Fort Lauderdale, Florida, USA, April 15-19, 2000
- 2000 Organizer, Symposium on Urban Ecology. The 2000 Annual Meeting of Ecological Society of America, Snowbird, UT, August 6-10, 2000
- 2000 Member, Organizing Committee, International Conference on Modeling Complex Systems. Montreal, July 31-Aug. 4, 2000
- 1997 Member, Academic Committee, International Symposium on Grassland Management, Hohhot, Aug. 15-18, 1997

Editorial Boards of Journals:

Current services

- 2005 - Editor-in-Chief, *Landscape Ecology* (Springer)
- 2017 - Editorial Board, *International Journal of Disaster Risk Science* (Springer)
- 2016 - Editorial Board, *Current Landscape Ecology Reports* (Springer)
- 2016 - Editorial Board, *Sustainability* (<http://www.mdpi.com/journal/sustainability>)
- 2012 - Editorial Board, *PeerJ* (<https://peerj.com>)
- 2008 - Editorial Board, *Ecological Economics* (Elsevier)
- 2004 - Editorial Board, *Landscape and Ecological Engineering* (Springer)
- 2008 - Editorial Board, *Frontiers in Energy* (Springer)
- 2010 - Editorial Board, *Chinese Journal of Applied Ecology*
- 2008 - Associate Editor, *Acta Ecologica Sinica* (English edition, Elsevier)
- 2004 - Editorial Board, *Biodiversity Science*
- 1999 - Editorial Board, *Acta Ecologica Sinica*

Past services

2011-2016	Editorial Board, <i>Ecological Processes</i> (Springer)
1999-2013	Editorial Board, <i>Chinese Journal of Plant Ecology</i>
2007-2010	Editorial Board, <i>Journal of Plant Ecology</i> (Oxford U Press)
2008-2009	Editorial Board, <i>Research Letters in Ecology</i> (Hindawi Publ. Co.)
2005-2008	Editorial Board, <i>Journal of Integrative Plant Biology</i> (Blackwell)
2001-2005	Editorial Board, <i>Landscape Ecology</i>
1999-2007	Editorial Board, <i>Geographic Information Sciences (Annals of GIS since 2009)</i>
1996-2010	Editorial Board, <i>Chinese Journal of Ecology</i>

Reviewer for Major Funding Agencies:

National Science Foundation (*NSF*)
United States Department of Agriculture (*USDA*)
The Environmental Protection Agency (*EPA*)
National Institute for Global Environmental Change (*NIGEC*)
National Natural Science Foundation of China (*NSFC*)
The Nature Conservancy (*TNC*)
European Science Foundation (*ESF*)
Natural Environment Research Council of United Kingdom (*NERC-UK*)
Israel Science Foundation (*ISF*)

Reviewer for Professional Journals:

General: Nature; Science; PNAS; Science Advances; Scientific Reports; Science in China; PeerJ; PLoS One

Ecological and Biological Sciences: BioScience; Conservation Biology; Conservation Ecology; Ecological Applications; Ecological Modelling; Ecological Monographs; Ecology; Ecology Letters; Ecosphere; Ecosystems; Frontiers in Ecology and the Environment; J of Theoretical Biology; Landscape Ecology; Mathematical Biosciences; Methods in Ecology & Evolution; Urban Ecosystems

Geographical and Environmental Sciences: Cities; Catena; Environmental Management; Geography Compass; GIScience & Remote Sensing; Global Environmental Change; Habitat International; International J Remote Sensing; Landscape & Urban Planning; J Arid Environments; J Biogeography; J Climate; J Environmental Management; J of Soil and Water Conservation; Photogrammetric Engineering & Remote Sensing; Progress in Physical Geography; Remote Sensing; Remote Sensing of Environment

Sustainability Science: Sustainability; Ecological Economics; Ecological Indicators; Environment, Development and Sustainability

Major University/Campus Service Activities:

2017 -	Committee of Research and Training Initiative, School of Life Sciences, Arizona State University, Tempe
2006 -	Graduate Committee, School of Sustainability, Arizona State University
2009 - 2017	Personnel Committee, Faculty of Ecology, Evolution, and Environmental Science, School of Life Sciences, Arizona State University, Tempe

2014 - Advisory Board for SoilCarbon Research Project, School of Sustainability, Arizona State University, Tempe

2014-2015 Wrigley Lecture Committee, Global Institute of Sustainability, Arizona State University

2006-2011 Graduate Committee, School of Sustainability, Arizona State University

2013-2014 Faculty Search Committee, School of Sustainability, ASU

2003-2010 Advisor to the Office of the President on China Affairs

2009-2011 Research and Training Initiatives Committee, School of Life Sciences, ASU

2008 ASU Biodiversity Committee

2007/2008 Faculty Search Committee (Ecological Economics), School of Life Sciences,

2006 Steering Committee, CAPLTER/DCDC Summer Summit, 2006

2003-2005 Executive Committee, Graduate Program in Computational Biosciences, Arizona State University, Tempe, 2003-2005

2003-2004 Faculty Search Committee (Computational Biologist), School of Life Sciences, Arizona State University, 2003-2004

2001-2002 Seminar Committee, Department of Plant Biology, Arizona State University, 2001-2002

1996-2001 Chair, Graduate Committee, Dept of Life Sciences, ASU West, 1996-2001

1998-2000 Information Technology Advisory Committee, ASU West, 8/1998 – 6/2000

1998-1999 Search Committee for the Dean of College of Arts and Sciences, ASU West

1996 Space and Facilities Committee, Dept of Life Sciences, ASU West, 1996

1996 Salary Equity Committee, College of Arts and Science, ASU West, 1996

Other Activities:

1998-1999 Invited participant of Arizona Town Hall, 1998-1999

1989-1990 President, Chinese Students Association, Miami University, Oxford, OH, 1989-1990

1988 Co-founder, Sino-Ecologists Club Overseas (Sino-ECO), 11/1988

85-1986 President, Chinese Visiting Scholars Association, Univ. of California, Davis, 1985-1986

PROFESSIONAL ORGANIZATIONS

- US Association for Landscape Ecology (US-IALE)
- International Association for Landscape Ecology (IALE)
- Ecological Society of America (ESA)
- International Association for Ecology (INTECOL)
- American Association for the Advancement of Science (AAAS)
- Ecological Society of China (ESC)
- Chinese Society of Natural Resources

TEACHING EXPERIENCE

Courses taught at Arizona State University since 1995:

- BIO 421/521 – ***Landscape Ecology*** (3 credits)

- SOS 513 – *Science for Sustainability* (3 credits)
- SOS 442/542 – *Sustainability Indices* (3 credits)
- SOS 511 – *Quantitative Methods in Sustainability* (4 credits)
- BIO 320 – *Fundamentals of Ecology* (3 credits)
- PLB 494 – *Ecological Modeling* (4 credits)
- PLB 591 – *Scaling Theory and Methods in Ecology* (2 credits)
- PLB 591 – *Urban Modeling: Theory and Methods* (2 credits)
- LSC300 – *Modes of Biological Thought* (3 credits)
- BIO 319 – *Ecology and Conservation* (3 credits)
- LSC 494 – *Spatial Analysis and Modeling* (2 credits)
- BIO 330 – *Global Environment* (3 credits)
- LSC 494 – *Global Models* (1 credit)

Courses taught at Miami University from 1986 to 1991:

- BOT 171 – *Ecology of North America*, Miami Univ., Oxford, 1989-90
- BOT 131 – *Plants, Humanity & Environment*, Miami Univ., 1990-91 (Instructor)
- BOT 131 – *Plants, Humanity & Environment*, Miami Univ., 1986-89 (TA, 6 semesters)

RESEARCH GRANTS

Extramural:

- 1/2014-12/2018: **National Science Foundation (NSF)**, “Dimensions US-China: Collaborative Research: Phylogenetic, Functional, and Genetic Diversity and Ecosystem Functions in a Fragmented Landscape,” \$1.25 M (in collaboration with GIT; ASU portion, \$576,675.00, PI).
- 1/2014-12/2018: **Ministry of Science and Technology of China**, “Integrative Modeling and Strategic Planning for Regional Sustainability under Climate Change in Northern China”, \$2.4 M (PI; Center for Human-Environment System Sustainability, Beijing Normal University, in collaboration with several Chinese institutions)
- 2015-2016: **National Science Foundation (NSF)**, “Building US-China Collaboration in Biodiversity Studies – Frontier Issues, New Approaches, and Opportunities” – Workshop Grant (Co-PI/Collaborator; PI: Jenny Xiang, NC State University, \$49,798.00)
- 2013-2014: **National Geographic**, “Gauging environmental effects of China's South-North Water Transfer Project: Water loss by evaporation and biodiversity impacts by fragmentation”, \$50,000 (Collaborator and Supervisor; with Xiaoyan Li, Max Wilson, and Andrew Smith)
- 2012-2016: **US Environmental Protection Agency STAR Fellowship**, “Off the sand and onto the asphalt: Does the urban heat island influence desert lizards? \$68,000 (as Advisor of J. Ackley)
- 2010-2016: **National Science Foundation (NSF)**, “Central Arizona-Phoenix Long-term Ecological Research (CAPLTER-III),” \$5.9 M (Co-PI & Research Leadership Team)
- 2004-2010: **National Science Foundation (NSF)**, “Central Arizona-Phoenix Long-term Ecological Research (CAPLTER-II),” \$4.9 M (Co-PI and Team Leader for Urban and Landscape Modeling)
- 1997-2004: **National Science Foundation (NSF)**, “Central Arizona - Phoenix Long-term Ecological Research (CAPLTER-I),” \$4.2 M (Co-PI and Team Leader for Theoretical/Modeling/GIS)

- 2006-2012: **National Science Foundation (NSF)**, “Testing Biodiversity-Ecosystem Functioning Relationships in an Ecological Stoichiometry Framework in the World’s Largest Natural Grassland,” \$1.07 M; ASU portion, \$834,750.00 (PI/PD)
- 2010: **National Science Foundation (NSF)**, REU Supplement: Testing Biodiversity-Ecosystem Functioning Relationships in an Ecological Stoichiometry Framework in the World's Largest Natural Grassland, \$ 6,000.
- 2009: **National Science Foundation (NSF)**, REU Supplement: Testing Biodiversity-Ecosystem Functioning Relationships in an Ecological Stoichiometry Framework in the World's Largest Natural Grassland, \$ 7,600.
- 2005-2010: **National Science Foundation (NSF)**, “Urban landscape patterns: Complex dynamics and emergent properties,” \$430,740 (ASU **PI**; in collaboration with Univ. of Washington; total funding = \$1.39 million)
- 2000-2005: **National Science Foundation (NSF)**, "IGERT-Integrative Graduate Education and Research Traineeship in Urban Ecology," ASU, \$2.7 M. (**Senior Personnel**)
- 10/15/2002 – 05/31/2004: **US Environmental Protection Agency (EPA)**, Workshop on Scaling Issues in Regional Ecological Analysis and Assessment, \$49,968.00 (PI/PD)
- 10/15/1999 - 05/31/2004: **US Environmental Protection Agency (EPA)**, “A hierarchical patch dynamics approach to regional modeling and scaling,” \$629,540.00 (PI/PD)
- 1/2001 - 1/2004: **Chinese Natural Science Foundation (CNSF)**, “An Integrative Study of the Landscape Pattern and Ecosystem Processes in the Inner Mongolia Grassland Region,” 400,000.00 Yuans. (PI)
- 9/1995 - 8/1999: **United States Department of Agriculture (USDA)**, “Linking landscape pattern to ecosystem properties in the Great Basin,” \$194,000.00 (Co-PI)
- 1/1994 - 1/1998: **NASA** (Subcontract through University of Nebraska), “Ecological controls on surface energy and water balances in boreal forest landscapes,” \$25,000.00 (PI)
- 10/1996 - 10/1997: **Biosphere II**, Columbia University, “Scaling up from the leaf to biome: Effects of elevated CO₂ on ecosystem processes,” \$15,000.00 (PI)
- 1993: **US National Academy of Sciences**, “Study of Grassland Ecosystem of Mongolian Steppe,” \$2,000.00 (PI)
- 9/1991 - 9/1993: **National Science Foundation (NSF)**, “A spatially-explicit, hierarchical model of pattern-process dynamics of a grassland landscape,” \$80,000.00 (PI)
- 1991: **Sigma Xi**, Grant-in-Aid, “Effects of landscape fragmentation on species richness dynamics,” \$600.00 (PI)
- 1988: **Sigma Xi**, Grant-in-Aid, “A computer simulation study of population dynamics in fragmented landscapes,” \$450.00 (PI)

Intramural:

- 2008-2009: Global Engagement Seed Grant, Arizona State University, \$9,880 (PI)
- 2005-2006: Research and Training Initiatives Grant, Arizona State University, \$4,200 (PI)

- 1/2001 - 1/2002: Scholarship, Research and Creative Activities Grant (SRCA), "Effects of Urbanization on Ecosystem Process in Metropolitan Phoenix: A Simulation Study," Arizona State University, \$5,197 (PI)
- 1/2000 - 1/2001: Scholarship, Research and Creative Activities Grant (SRCA), "Pattern and Process of Desertification in Inner Mongolia," Arizona State University, \$3,746 (PI)
- 7/1998 - 6/1999: Arizona State University, West Campus (IDSG), "Developing a dynamic, interactive and state-of-the-art learning environment for teaching ecology, global environment, and biological modeling," \$4,998 (PI)
- 3/1998 - 2/1999: Scholarship, Research and Creative Activities Grant (SRCA), Arizona State University, West Campus, \$4,125 (PI)
- 2/1997 - 2/1998: Scholarship, Research and Creative Activities Grant (SRCA), Arizona State University, \$5,470 (PI)
- 5/1996 - 5/1997: Faculty Grant-In-Aid Award (FGIA), Arizona State University, \$6,000 (PI)
- 4/1995 - 8/1995: Nevada EPSCoR, "Research in hierarchical patch dynamics," \$4,500 (PI)
- 10/1990: Academic Challenge Fund, Miami Univ., "Modeling landscape diversity," \$790 (PI)
- 1/1990: Academic Challenge Fund, Miami Univ., "Modeling landscape dynamics," \$645 (PI)
- 10/1988: Academic Challenge Fund, Miami University, "Integrating metapopulation theory, landscape ecology and conservation biology," \$1,520 (PI)

PUBLICATIONS

Books

- [1] Wu, J.G. and X.Y. Chen (eds). 2018. **Lectures in Modern Ecology (VIX): Advances in Ecological Research on Urbanization and Global Change**. Higher Education Press, Beijing. (in prep.)
- [2] Y.B. Gao and J.G. Wu (eds). 2017. **Lectures in Modern Ecology (VIII): Advances in Community, Ecosystem and Landscape Ecology**. Higher Education Press, Beijing.
- [3] Barrett, G.W., T.L. Barrett, and J.G. Wu (eds). 2015. **History of Landscape Ecology in the United States**. Springer, New York. ISBN 978-1-4939-2275-8
- [4] Wu, J.G. and S.Q. An (eds). 2013. **Lectures in Modern Ecology (VI): Global Climate Change and Ecological Patterns and Processes**. Higher Education Press, Beijing.
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SELECTED CONFERENCE PRESENTATIONS & INVITED TALKS

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- [1] Wu, J. “Thirty years of landscape ecology: Retrospect and prospect”, The 9th National Congress on Landscape Ecology, Guangzhou, China, November 10-12, 2017.
- [2] Wu, J. “Linking Biodiversity, Ecosystem Services, and Human Wellbeing for Sustainability: With an Emphasis on Research Challenges and Opportunities in China”, State University of New York, Albany, Sept. 23, 2017.
- [3] Wu, J. “Linking Biodiversity, Ecosystem Function, Ecosystem Services, and Human Wellbeing”, at the 12th International Congress on Ecology (INTECOL), Beijing, August 22, 2017.
- [4] Wu, J. “The ecology of landscapes and cities”, Department of Earth System Science, Tsinghua University, Beijing, July 13, 2017.
- [5] Wu, J. “Linking Biodiversity, Ecosystem Function, Ecosystem Services, & Human Wellbeing: The Landscape Sustainability Science Paradigm”, Ningxia University, Yinchuan, July 10, 2017.
- [6] Wu, J. “Past, present, and future of landscape ecology”, Ningxia University, Yinchuan, July 4, 2017.
- [7] Wu, J. “Urban Ecology and Sustainability: A Landscape Ecological Perspective”, University of Chile, Santiago, May 29, 2017.
- [8] Wu, J. “The Past, Present, and Future of Landscape Ecology”, The 1st Conference of the Chilean Association for Landscape Ecology (Chile-IALE), Valparaiso, May 25, 2017.
- [9] Wu, J. “Urban Ecology and Sustainability: A Landscape/Transdisciplinary Perspective”, Shanghai Normal University, Shanghai, May 15, 2017.
- [10] Wu, J. “What is landscape sustainability science?”, Zhejiang Forestry Research Institute, Hangzhou, May 9, 2017.
- [11] Wu, J. “Linking Biodiversity, Ecosystem Function, Ecosystem Services, and Human Wellbeing: The Landscape Sustainability Science Paradigm”, Zhejiang University, Hangzhou, May 8, 2017.
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- [13] Wu, J. “What is landscape sustainability science?”, Beijing Normal University, Beijing, April 27, 2017.
- [14] Wu, J. “Patterns, Processes, and Sustainability of Urbanization: An Urban Landscape Ecology Framework”, The 2017 Annual Symposium of US-IALE, Baltimore, April 9, 2017.

- [15] Wu, J. “Linking Biodiversity, Ecosystem Function, Ecosystem Services, and Human Wellbeing: The Landscape Sustainability Science Paradigm”, The 2016 Ecological Integration Symposium, Texas A&M University, College Station, March 23, 2017.
- [16] Wu, J. “The Past, Present, and Future of Landscape Ecology”, Department of Landscape Architecture, Tsinghua University, February 28, 2017.
- [17] Wu, J. “Ecology and Sustainability of Urban Areas: A Landscape Perspective”, Nanjing Agricultural University, February 24, 2017.
- [18] Wu, J. “Sustainability Indicators”, Nanjing Agricultural University, February 23, 2017.
- [19] Wu, J. “Landscape Sustainability Science: A Scientific Paradigm for Spatially Optimizing the Regional Landscape Mosaic”, Yunnan University, February 16, 2017.

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- [20] Wu, J. “Landscapes Ecology: Past, Present, and Future”, Fudan University, Shanghai, October 20, 2016.
- [21] Wu, J. “Landscape sustainability science: A new paradigm for promoting ecosystem services and human wellbeing on the Mongolian Plateau”, The 11th International Conference on Sustainable Natural Resources and Development in the Mongolian Plateau, Ulaanbaatar, Mongolia, August 8-9, 2016.
- [22] Wu, J. “Ecology and sustainability of urban areas: A landscape perspective”, Keynote at the Second World Congress of the Society of Urban Ecology, Shanghai, July 8-10, 2016.
- [23] Wu, J. “Landscape ecology: Past, present and future”, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, June 27, 2016.
- [24] Wu, J. “Urban ecology and landscape sustainability”, School of Architecture and Urban Planning, Nanjing University, Nanjing, June 21, 2016.
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- [28] Wu, J. “Urban sustainability and landscape ecology”, National Taipei University, Taiwan, April 25, 2016.
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- [37] Wu, J. “Landscape ecology in regional contexts: American, European, and Asian perspectives”, Symposium on “Shaping Landscape Ecology Approaches Worldwide in Different Regional Contexts”, the 9th IALE World Congress on Landscape Ecology, Portland, OR, July 9, 2015.
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- [39] Wu, J. “The state of the science of landscape ecology and sustainability”, School of Architecture, Tsinghua University, Beijing, July 2, 2015.
- [40] Wu, J. “Theory and practice of nature conservation: Landscape ecology and sustainability science perspectives”, School of Nature Conservation, Beijing Forestry University, Beijing, July 1, 2015.
- [41] Wu, J. “Landscape ecology and sustainability science”, College of Public Administration and College of Land Management, Nanjing Agricultural University, Nanjing, June 18, 2015.
- [42] Wu, J. “Advances in sustainability science”, the 8th International Symposium on Modern Ecology, Tianjin, June 12, 2015.
- [43] Wu, J. “What is landscape sustainability science?” The 3rd International Forum on Landscape Sustainability Science, Beijing, June 9, 2015.
- [44] Wu, J. “Testing the biodiversity-ecosystem functioning relationship in the world’s largest grassland: Overview of the IMGRE project”, International Workshop on Habitat Fragmentation and Biodiversity Conservation in the Thousand Island Lake, Qiandaohu, China, May 5, 2015.
- [45] Wu, J. “Ecology and sustainability of Inner Mongolia: Past, present, and future”, Inner Mongolia University, Hohhot, March 19, 2015.
- [46] Wu, J. “Ecology and sustainability of dryland ecosystems and landscapes”, International Workshop on Future Earth: Science and Technology for Society, Michigan State University, East Lansing, Feb. 25, 2015.

2014

- [47] Wu, J. “Ecology and sustainability of landscapes: The state of the science”, School of Geographical Sciences and Urban Planning, ASU, Tempe, November 7, 2014.
- [48] Wu, J. “Landscape sustainability science: A new direction and the ultimate goal for natural resources research”, The 7th National Congress of the Chinese Society of Natural Resources, Zhengzhou, October 12, 2014.
- [49] Wu, J. “Landscape ecology and sustainability: Key topics and major advances”, Nanjing University, Nanjing, August 4, 2014.

- [50] Wu, J. "Scientific writing: Basic rules and IMRaD", Inner Mongolia University, Hohhot, China, July 15, 2014.
- [51] Wu, J. "Urban ecology: The state of the science and future directions", The 2nd International Forum on Landscape Sustainability Science, Beijing Normal University, May 28, 2014.
- [52] Wu, J. "Landscape sustainability science: improving ecosystem services and human well-being in changing landscapes", University of Maine, Orono, ME, April 2014.
- [53] Wu, J. "Ecology and sustainability of cities and landscapes: Integrating research with practice", University of Toledo, Toledo, OH, March 21, 2014.
- [54] Wu, J. "Urban ecology: Past, present, and future". Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang, China, February 24, 2014.
- [55] Wu, J. "Urban ecology and sustainability: The state of the science and future directions," Graduate Student Research Proposal Workshop, National Socio-Environmental Synthesis Center, SESYNC, Annapolis, Maryland, Jan. 15-17, 2014.

2013

- [56] Wu, J. "Convergence of landscape ecology and urban ecology, with US and China perspectives," Colloquium on Ecology for Land and City: Exploring the Confluences of Landscape, Road, and Urban Ecology (in honor of Richard T.T. Forman's retirement), Harvard University, Sept. 13-15, 2013.
- [57] Wu, J. "The state-of-the-science in urban ecology and sustainability: a landscape perspective," World Congress on Ecology (INTECOL 2013), London, August 18-23, 2013.
- [58] Wu, J. "Urban ecology: The state of the science," Workshop on Urban Ecology, Institute of Urban Environment, Chinese Academy of Sciences, Xiamen, August 13, 2013.
- [59] Wu, J. "Landscape sustainability science," The 1st CHESS Symposium on Landscape Sustainability Science," Beijing Normal University, Beijing, June 27-29, 2013.
- [60] Wu, J. "Landscape sustainability science: improving ecosystem services and human well-being in changing landscapes," Symposium on Coupled Natural and Human Systems, Nanjing, June 18-20, 2013.
- [61] Wu, J. "Urban ecology: past, present, and future," Zhongshan University, Guangzhou, June 17, 2013.
- [62] Wu, J. "Landscape ecology: state-of-the-science and implications for conservation and restoration," The 7th International Symposium on Modern Ecology, Guangzhou, June 9-15, 2013.
- [63] Wu, J. "Urban landscape ecology: an overview," Urban Ecology Symposium, Beijing Normal University, Beijing, May 31, 2013.
- [64] Wu, J. "Landscape Principles of Ecological Restoration: Nothing Sustains without Supporting Context," The Chinese Academy of Sciences Forum on Ecological Reconstruction and Restoration, Beijing, April 25-26, 2013.
- [65] Wu, J. "The science of sustainability," Mingde Forum Lecture, Qinghua University, Beijing, April 18, 2013.
- [66] Wu, J. "The science of sustainability: From ecosystem services to human well-being," The 2nd International Conference on Energy and Environmental Protection, Guilin, China, April 20-21, 2013.

[67] Wu, J. "Key issues in landscape ecology," Symposium on Ecological Civilization and Landscape Ecology, Beijing, Feb. 22, 2013.

[68] Wu, J. "Landscape ecology and sustainability," Beijing Forestry University, Feb. 22, 2013.

2012

[69] Wu, J. "Landscape Ecology and Landscape Sustainability Science: A State of the Science Overview," Keynote at the IUFRO International Conference on Landscape Ecology, Concepcion, Chile, November 5-12, 2012.

[70] Wu, J. "The State of the Science of Urban Ecology: A Landscape Perspective," Plenary presentation at the International Symposium on Frontiers in Urban Ecological Research and Planning: Linking Ideas from the East and West, Shanghai, China, October 25–30, 2012.

[71] Wu, J. "Sustainability, Energy, and Landscapes: An Actionable Science Perspective," Keynote speech at the 2012 International Conference on Energy and Environmental Protection (ICEEP 2012), Hohhot, China, June 23-24, 2012.

[72] Wu, J. "Landscape ecological principles for conservation," Advanced Ecology Lectures: Biodiversity and Climate Change. Fudan University, Shanghai, May 30-31, 2012.

[73] Wu, J. "Landscape Ecology and Sustainability Science," East China Normal University, Shanghai, May 29, 2012.

[74] Wu, J. "Landscape Ecological Principles on Biodiversity Conservation," presented at Chinese Research Academy of Environmental Sciences, Beijing, March 5, 2012

2011

[75] Wu, J. "Landscape Ecology, Urban Ecology, and Sustainability Science," Beijing Normal University, Beijing, December 19, 2011.

[76] Wu, J. "Sustainability science and grassland ecosystem management," Plenary talk at the Sustainable Grassland Ecosystem Management Conference, Institute of Botany, The Chinese Academy of Sciences, Beijing, October 28-30, 2011.

[77] Wu, J. "Urban landscape ecology: Key issues and future directions," Keynote Speech at the World Congress on Landscape Ecology, Beijing, August 19-22, 2011.

[78] Wu, J. "Landscape sustainability," Symposium on Key Issues and Research Priorities in Landscape Sustainability, IALE 2011, Beijing, August 19, 2011.

[79] Wu, J. "Landscape ecology and climate change research," Keynote speech, International Symposium on Modern Ecology, Nanjing University, August 1-4, 2011.

[80] Wu, J. "Landscape ecology and climate change in the Mongolian Plateau," Plenary speech at the International Symposium on the Mongolian Plateau and Climate Change, Hohhot, July 23-24, 2011.

[81] Wu, J. "Grassland research and landscape ecology: Beyond community and ecosystem perspectives," Plenary speech at the International Symposium on Frontiers in Grassland Ecology, Hohhot, July 12-14, 2011.

[82] Wu, J. "Climate change and ecological impacts in Inner Mongolia," The 2nd MAIRS Workshop on Coupled Human-Environment Systems in Dryland, Harbin, June 8-10, 2011

[83] Wu, J. "Hierarchy theory in ecology", Invited talk at the 2011 Cary Conference, Cary Institute of Ecosystems, New York, May 10, 2011.

- [84] Wu, J. "Landscape ecology and sustainability", presented at Chinese Research Academy of Environmental Sciences, Beijing, June 13, 2011
- [85] Wu, J. "Landscape ecology and sustainability", presented at Graduate School of Chinese Academy of Sciences, Beijing, June 13, 2011
- [86] Wu, J. "Landscape ecology and sustainability", presented at Northeastern Forestry University, Harbin, June 9, 2011
- [87] Wu, J. "Landscape ecology and sustainability", presented at Chinese Academy of Forestry, Beijing, Feb. 20, 2011

2010

- [88] Wu, J. "Landscape ecology and sustainability science: a transdisciplinary perspective. Beijing Capital Normal University, China, December 15, 2010.
- [89] Wu, J. "Landscape ecology: past, present, and future," School of Life Sciences, Sun Yat-Sen University (Zhongshan University), Guangzhou, December 13, 2010.
- [90] Wu, J. "Paradigm shift in urban ecological research: toward "sustainability of cities". The 2nd Xiamen International Forum on Urban Environment. Xiamen (Amoy), China, December 11, 2010.
- [91] Wu, J. "A Landscape Ecological Approach to Sustainability: Theory, Design Principles, and Measures," Invited presentation at the International Symposium on Sustainability Science: The Emerging Paradigm and the Urban Environment," Montclair State University, Montclair, NJ, Oct. 25-27, 2010.
- [92] Wu, J. "Principles of Resilience and Sustainability: Implications for Grassland Management in Inner Mongolia," The International Symposium on Adaptive Management of Family Pasture on Temperate Grassland, Hohhot, July 24-26, 2010.
- [93] Wu, J. "Urban Ecology: Past, Present, and Future," National Taipei University, San Shia, Taiwan, June 17, 2010.
- [94] Wu, J. "Landscape Ecology and Landscape Architecture: Two Fields with One Common Goal," Taiwan Cultural University, Taipei, June 15, 2010.
- [95] Wu, J. "Ecological Resilience and Sustainability," Symposium on China's Ecology in Rapidly Changing Environment, Wuyishan, China, May 15, 2010.
- [96] Wu, J. "Landscape Ecology and Sustainability Science - A Hierarchical and Pluralistic Perspective," University of British Columbia-Okanagan, May 7, 2010.
- [97] Wu, J. "Landscape Ecology: A Pluralistic and Hierarchical Perspective," 2010 Annual Symposium of US-IALE, University of Georgia, Athens, April 6, 2010.
- [98] Wu, J. "Landscape ecology: the state of the science," College of Life Sciences, Inner Mongolia University, Hohhot, January 18, 2010.

2009

- [99] Wu, J. "Quantifying Spatial Pattern and Ecological Processes in Urban Landscapes: A Case Study of Phoenix, AZ ," The 2nd US-China Workshop on Climate Change, Arizona State University, Tempe, October 27, 2009
- [100] Wu, J. "Landscape Ecology: Past, Present, and Future," Graduate University of the Chinese Academy of Sciences, Beijing, Oct. 10, 2009
- [101] Wu, J. "Landscape Ecology," ASLA Media Roundtable: Journals for Professional Research, The 2009 American Society of Landscape Architects Annual Meeting, September 18-21, Chicago

- [102] Wu, J. "Landscape Sustainability: A Search for Principles and Measures," The 10th World Congress of International Association for Ecology (INTECOL), Brisbane, August 16-21, 2009
- [103] Wu, J. "Testing Biodiversity-Ecosystem Functioning Relationships: Overview of the Inner Mongolia Grassland Removal Experiment (IMGRE)," International Symposium on Grassland Ecosystem Research: Issues and perspectives, Beijing, August 12-14, 2009
- [104] Wu, J, S Naeem, J Elser, Y Bai, J Huang, L Kang, C Clark, Q Wang, Q Pan, X Han. "Testing Biodiversity-Ecosystem Functioning Relationships," The 94th ESA Annual Meeting, Albuquerque, August 2-7, 2009
- [105] Wu, J. "Landscape Ecology: Past, Present, and Future," International Forum on Ecological Vision: Challenge, Response and Strategy. Institute of Applied Ecology, Chinese Academy of Sciences, Shengyang, July 15-17, 2009
- [106] Wu, J. "Landscape Ecology and Sustainability Science," Ningxia University, Yinchuan, July 3, 2009
- [107] Wu, J. "Sustainability Paradigm: Scientific Integration, University Design Aspirations, and Sustainable Practices," The 5th International Symposium on Modern Ecology, Lanzhou, June 25-July 2, 2009
- [108] Wu, J. "Paradigm Shift in Urban Ecological Research: From Ecology in Cities, Ecology of Cities to Sustainability of Cities," The 2009 International Ecocity Forum, Huaibei, May 22-25, 2009
- [109] Wu, J. "Landscape ecology and sustainability science," Department of Renewable Resources, University of Alberta, Edmonton, March 25, 2009.
- [110] Wu, J. "Scaling pattern and process in ecology: Beyond allometry," School of Forestry, Northern Arizona University, Flagstaff, January 28, 2009.

2008

- [111] Wu, J. "Changing perspectives on biodiversity conservation: From species to sustainability," Plenary talk at the 8th National Symposium on Biodiversity Conservation and Sustainable Utilization, Jinhua, Zhejiang, China, October 17, 2008.
- [112] Wu, J. "From ecology in cities, ecology of cities, to sustainability of cities," US-China Symposium on Urban Sustainability. Beijing, June 24, 2008.
- [113] Wu, J. "Landscape ecology and sustainability science: What are they, really?," Nanjing University, Nanjing, China, May 26, 2008.
- [114] Wu, J. "Pattern, Process, and Scale: Ecology and Sustainability of Landscapes," Dartmouth College, Hanover, NH, April 30, 2008.
- [115] Wu, J. "Integrating ecological, economic, and social processes in landscapes: Sustainability modeling approaches," Presented at the 2008 Annual Symposium of the US Association for Landscape Ecology (US-IALE), Madison, WI, April 9, 2008.

2007

- [116] Wu, J. "Changing perspectives in biodiversity conservation: Towards global sustainability," Institute of Botany, Chinese Academy of Sciences, Beijing, Nov. 24, 2007.
- [117] Wu, J. "Landscape ecology and sustainability science: The expanding human dimension," Ecology Center Seminar Series, Utah State University, Logan, UT, Nov. 15, 2007.
- [118] Wu, J. "Urban ecology and the Central Arizona-Phoenix LTER project," Ecology Center Seminar Series, Utah State University, Logan, UT, Nov. 16, 2007.

- [119] Wu, J. "Landscape ecology and design principles for sustainability." Presented at World Congress on Landscape Ecology, Wageningen, The Netherlands, July 8-13, 2007.
- [120] Wu, J. "Urban landscape sustainability: the whole is larger than the sum of parts." Invited talk at Conference on Urban Ecology and Management, Salzburg, Austria, June 29-30, 2007.
- [121] Wu, J. "Urbanization and sustainability science." Invited seminar at Graduate University of Chinese Academy of Sciences, Beijing, June 12, 2006.
- [122] Wu, J. "Changing perspectives in ecology and biodiversity conservation: achieving landscape and regional sustainability." Keynote speech at the Conference on Biodiversity Conservation in Tropical Planted Forests in Southeast Asia, Bintulu, Sarawak, Malaysia, January 15-18, 2007.

2006

- [123] Wu, J. "Landscape ecology of cities." The 1st Workshop of the ASU-Chinese Academy of Science Joint Center for Urban Sustainability, Beijing, December 9-11, 2006.
- [124] Wu, J. "Urbanization and sustainability science." Invited seminar at Beijing University, Beijing, October 31, 2006.
- [125] Wu, J. "Landscape ecology and sustainability science: Emerging paradigms." Invited seminar at Purdue University, West Lafayette, Indiana, September 26, 2006.
- [126] Wu, J. "Urbanization and sustainability science." Invited seminar at Sichun University, Chengdu, August 17, 2006.
- [127] Wu, J. "Urbanization and sustainability science." Invited seminar at Zhejiang University, Hangzhou, June 10, 2006.
- [128] Wu, J. "Urbanization and sustainability: a landscape ecological perspective." Invited speech at the H.W.S. Cleveland Symposium in Landscape Architecture: Myths and Realities of Ecology, Design, and Ecosystem Health in the Metropolitan Landscape, University of Minnesota, April 21-22, 2006.
- [129] Wu, J., Y. Bai, X. Han. "Biodiversity and ecosystem functioning: Insights from the Inner Mongolia Grassland." Presented at the 59th Annual Meeting of the Society for Range Management, Vancouver, Feb. 14, 2006.

2005

- [130] Wu, J. "Write to publish: Guide for scientific writing," Graduate School of the Chinese Academy of Sciences, Beijing, June 17, 2005.
- [131] Wu, J. "Biodiversity and ecosystem functioning: Past, present, and future," The 3rd International Symposium on Modern Ecology, Beijing, June 1-7, 2005.

2004

- [132] Wu, J. "Scale issues in landscape ecology," Institute of Geographic Sciences and Natural Resources Research, Beijing, October 27, 2004.
- [133] Wu, J. "Landscape ecology," Nankai University, Tianjin, October 25, 2004.
- [134] Wu, J. "Landscape ecology: past, present, and future," Beijing University, Beijing, October 19, 2004.
- [135] Wu, J. "Landscape ecology and its application in urban planning," Qinghua University, Beijing, October 14, 2004.

- [136] Wu, J. "Scale and scaling in ecology," South China Botanical Garden, Guangzhou, October 12, 2004.
- [137] Wu, J. "Spatial scaling: Theory and methods," Graduate School of the Chinese Academy of Sciences, Beijing, July 3, 2004.
- [138] Wu, J. "Key issues in urban ecology," East China Normal University, Shanghai, China, June 20, 2004.
- [139] Wu, J. "Frontiers in landscape ecology," Zhejiang University, Hangzhou, China, June 14, 2004.

2003

- [140] Wu, J. "Landscape ecology: Research priorities and future directions." Keynote speech, The 4th National Congress on Landscape Ecology, Beijing, Dec. 12-15, 2003.
- [141] Wu, J. "A landscape ecological approach to the study of cities." Duke University, Durham, NC, Nov. 7, 2003.
- [142] Wu, J. "Key topics in landscape ecology," Graduate School of the Chinese Academy of Sciences, Beijing, September 23, 2003.
- [143] Wu, J. "A Landscape Perspective on Comparative Urban Ecology." International Workshop on Comparative Ecology of Cities and Towns, Melbourne, Australia, 19-22 July, 2003.
- [144] Wu, J. "Spatial scaling: Universality versus pluralism." The 2003 World Congress on Landscape Ecology, Darwin, Northern Territory, Australia, July 13-17, 2003.
- [145] Wu, J. "Key research topics in landscape ecology," Beijing Normal University, Beijing, January 3, 2003.

2002

- [146] Wu, J. "Landscape ecological principles for nature conservation and ecological restoration," Plenary speech at International Symposium on Ecosystem Succession Theory and Ecological Restoration, Guangzhou, December 27-29, 2002.
- [147] Wu, J. "Landscape ecology as a scientific basis and methodology for understanding and combating desertification and dust/sand storms, Presented at the Sino-US Workshop on Dust Storms and Their Effects on Human Health, Raleigh, North Carolina, November 25-26, 2002.
- [148] Wu, J. "Toward a landscape ecology of cities: Beyond buildings, trees and forests." Plenary talk, International Symp. on Urban Forestry and Eco-Cities, Shanghai, Sept. 16-22, 2002.
- [149] Wu, J. "Spatial Scaling: Extrapolating Information from the Plot to the Region," US Environmental Protection Agency Office of Research and Development, National Center for Environmental Research, Washington, DC, Feb. 13, 2002.
- [150] Wu, J. Scaling across heterogeneous landscapes: Theory and methods. Presented at The VIII International Congress on Ecology, Seoul, Korea, August 11-18, 2002.
- [151] Wu, J. and R. Hobbs. Top 10 list for landscape ecology: An idiosyncratic synthesis. Presented at The 17th Annual Symposium of US-IALE (International Association of Landscape Ecology), Lincoln, Nebraska, April 23-27, 2002.

2001

- [152] Wu, J. "Landscape Ecology: Pattern, Process, Scale and Hierarchy," Guest Lectures, Nanjing University, Nanjing, China, June 4-9, 2001.

- [153] Wu, J. "Pattern, process, scale and hierarchy: A landscape ecology perspective," Institute of Botany, Chinese Academy of Sciences, China, June 12, 2001.
- [154] Wu, J. "Pattern, process, scale and hierarchy: A geospatial modeling perspective," Rutgers University, March 21, 2001.
- [155] Wu, J. "Pattern, process, scale and hierarchy: A landscape ecology perspective," University of Kansas, Lawrence, KS, Feb. 28, 2001.
- [156] Wu, J. Pattern and scale: The behavior of landscape metrics. Presented at the 2001 Annual Meeting of Ecological Society of America, Madison, Wisconsin, Aug. 5-10, 2001.
- [157] Wu, J. Effects of changing grain size and extent in Landscape Characterization and Pattern Analysis: Generalities and idiosyncrasies. The 16th Annual Symposium of US-IALE (International Association of Landscape Ecology), Arizona State University, Tempe, April 25-29, 2001.
- [158] Wu, J. Top 10 List for Landscape Ecology in the 21 Century: Introduction. The 16th Annual Symposium of US-IALE (International Association of Landscape Ecology), Arizona State University, Tempe, April 25-29, 2001.

2000

- [159] Wu, J. "Hierarchical patch dynamics," University of California, Davis, June 8, 2000.
- [160] Wu, J. "Linking landscape pattern with ecological processes: A hierarchical patch dynamics approach," University of Florida, Gainesville, May 30, 2000.
- [161] Wu, J. and S. Pickett. "New paradigms in urban ecology." 2000 Annual Meeting of Ecological Society of America, Snowbird, August 6-10, 2000.
- [162] Wu, J. A landscape ecological approach to the study of urban systems. Proc. 15th Annual Symposium of US-IALE (International Association for Landscape Ecology), Fort Lauderdale, April 15-19, 2000. pp.161.

1999

- [163] Wu, J. "Effects of Changing Scale on Landscape Analysis: A Hierarchical Perspective," ESPM, University of California, Berkeley, November 10, 1999.
- [164] Wu, J. Effects of disturbance on metapopulation dynamics and species coexistence: When and how does space matter? Presented at The 5th World Congress on Landscape Ecology, International Association for Landscape Ecology, Snowmass, July 29-Aug. 3, 1999.
- [165] Wu, J. and J. F. Reynolds. Linking pattern and process using hierarchical patch dynamics modeling (HPDM). Presented at The 5th World Congress on Landscape Ecology, International Association for Landscape Ecology, Snowmass, July 29-Aug. 3, 1999.
- [166] Wu, J., D. Jenerette and M. Luck. A hierarchical patch dynamics approach to urban landscape ecology. Presented at the 1999 Annual Meeting of Ecological Society of America, Spokane, WA, Aug. 8-12, 1999. ESA ABSTRACTS: 215.
- [167] Wu, J. Hierarchical modeling: A scaling ladder approach. Presented at the Annual Meeting of International Society of Ecological Modeling, US Section, Spokane, WA, Aug.8-12, 1999.
- [168] Wu, Jianguo. Hierarchical patch dynamics and landscape ecology, Presented at The 2nd International Symposium on Modern Ecology, Beijing, June 15-19, 1999.
- [169] Wu, J. (with Orié L. Loucks). Hierarchical Linkages Integrating Forest Decline and Air Pollutants. Presented at the 1999 AAAS Annual Meeting and Science Innovation Exposition, Anaheim, CA, January 21-26, 1999.

1998

- [170] Wu, J. (with Jim Reynolds). Do landscape structural and functional units exist? Dahlem Workshop on Integrating Hydrology, Ecosystem Dynamics, and Biogeochemistry in Complex Landscapes. Berlin, Germany, January 18-23, 1998.
- [171] Wu, J. Ecosystem Dynamics in Complex Landscapes, Institute of Botany, Chinese Academy of Sciences, Jan. 18, 1998
- [172] Wu, J. Disturbance and population dynamics: The role of spatial structure. Presented at the 1998 Annual Meeting of Ecological Society of America, Baltimore, Aug. 2-6, 1998. ESA ABSTRACTS: 230.
- [173] Wu, J. and J. F. Reynolds. Developing models across multiple scales based on hierarchy theory. Presented at the International Conference on Complex Systems Modeling, New Orleans, July 13-17, 1998.
- [174] Wu, J. and O. L. Loucks. Hierarchical patch dynamics and scaling. Presented at the International Workshop on Scaling & Modelling in Forestry: Applications in Remote Sensing & GIS, Université de Montréal, March 19-21, 1998.

1997

- [175] Wu, J. "Landscape Ecology: Principles, Methods, and Applications." Institute of Forestry and Environment, Beijing, August 4, 1997.
- [176] Wu, J., P. T. Tueller, and W. Gao. A study of multiple-scale characteristics of arid landscapes in the Great Basin, USA. pp.3-4 In Proc. Intern. Symp. Grassland Management, Hohhot, August 15-18, 1997.
- [177] Wu, J., and D. E. Jelinski. Hierarchical analysis of spatial patterns: A comparison of different methods. 1997 Ann. Mtg. ESA, Albuquerque, August 10-14, 1997.
- [178] Wu, J., P. T. Tueller and W. Gao. Multiple-scale characteristics of the landscape pattern of the Great Basin, USA. pp.123 In Proc. 12th Annual Symposium on Landscape Ecology, US-IALE, Duke University, Durham, March 16-19, 1997.

1996

- [179] Wu, J. A patch explicit modeling approach and the problem of relevant spatial detail. Bull. Ecol. Soc. Am. 77(3):492.
- [180] Wu, J. Hierarchical patch dynamics and landscape ecology. pp.98 In Proc. 11th Annual U.S. Landscape Ecology Symposium, US-IALE, Galveston, TX, March 26-29, 1996.

1995

- [181] Wu, J. Aggregation across spatial scales: Problems and implications for global change research. Presented at Symp. on Global Change, SAC-IV, IGBP, Beijing, Oct 23-27, 1995.
- [182] Wu, J. An overview of the paradigm shift in ecology. pp.181-182 In Proc. of the Vth National Congress of Ecological Society of China, ESC, Zhuhai, China, Nov 7-11, 1995.
- [183] Wu, J. Spatial scales and global change. Institute of Botany, Chinese Academy of Sciences, Oc. 26, 1995.
- [184] Wu, J. and O. L. Loucks. A hierarchical patch dynamics paradigm in ecology: Elements and implications. Bull. Ecol. Soc. Am. 76(3):405 (ESA annual meeting).

1994

- [185] Wu, J. "Linking Pattern with Process: A Patch Dynamics Perspective." Boston University, Boston, Dec. 30, 1994.
- [186] Wu, J. "Pattern and Scale in Ecology," International Symposium on Modern Ecology, Hohhot, China, Sept. 4-13, 1994.
- [187] Wu, J., D. E. Jelinski and Y. Qi. Spatial pattern analysis of a boreal forest landscape: scale effects and interpretation. pp.165 In Proc. VI International Congress of Ecology, Manchester, U.K.

1993

- [188] Wu, Jianguo and Zhonghou Li: "Monitoring and Analyzing Natural Resource Utilization Pattern in Xilingol Region of Inner Mongolia Using GIS," 1993 Conference on the Grassland Ecosystem of the Mongolian Steppe, CSC/PRC, National Academy of Sciences and the Johnson Foundation, Wingspread, Racine, Nov. 4-7, 1993.
- [189] Wu, Jianguo. "Linking Pattern and Process: Modeling and Implementations," Huxley College of Environmental Studies, Western Washington University, Bellingham, August 10, 1993.
- [190] Wu, Jianguo. "Modeling Nature: Linking Pattern and Process," Desert Research Institute, The University of Nevada System, Reno, July 20, 1993.
- [191] Wu, Jianguo. "A Spatially Explicit Patch Dynamics Modeling Approach to Pattern and Process in Ecological Systems," Theory Center, Cornell University, Ithaca, May 28, 1993.
- [192] Wu, Jianguo. "Patch Dynamics as a New Paradigm in Ecology: Modeling and Implications," Dept. of Biological Sciences, Bowling Green State Univ., Bowling Green, April 22, 1993.
- [193] Wu, Jianguo: "Linking Pattern and Process: Models and Implications in Conservation Biology," School of Forestry, Michigan Tech. Univ., Houghton, April 15, 1993.
- [194] Wu, Jianguo. "Modeling Nature: The Patch Dynamics Paradigm," Department of Biology, University of Massachusetts, Boston, April 12, 1993.
- [195] Wu, J. and S.A. Levin. A spatially explicit patch dynamic modeling approach: Principles and an example from the Jasper Ridge serpentine grassland. Bull. Ecol. Soc. Am. 74(2):494.
- [196] Wu, Jianguo, and Simon A. Levin. A spatially explicit patch dynamic model of a grassland landscape. pp.109 In Proc. 8th Annual U.S. Landscape Ecology Symp., Oak Ridge National Laboratory, Oak Ridge.

1992

- [197] Wu, Jianguo: "Balance of Nature and Environmental Protection: A Philosophical and Ecological Overview," The Fourth International Conference of Asia Experts - China's Environment, Portland State University, Portland, May 7-8, 1992.
- [198] Wu, Jianguo: "Modeling of Grassland Ecosystems," Conference on the Grassland Ecosystem of the Mongolian Steppe, CSC/PRC, National Academy of Sciences and the Johnson Foundation, Wingspread, Racine, March 26-29, 1992.
- [199] Wu, Jianguo: "Modelling Ecological Systems Using the System Dynamics Approach: Some Case Studies," Center for Theory and Simulation, Cornell University, Ithaca, Jan. 17, 1992.
- [200] Wu, J. A new method for studying spatial patterns: the net function interpolation. Bull. Ecol. Soc. Am. 73:393.
- [201] Wu, J. Simulating animal metapopulation dynamics in a landscape. pp.119 In Proc. 5th Ann. Landscape Ecol. Symp., US-IALE, Oregon State University, Corvallis, OR.

1991

- [202] Wu, J. and J.L. Vankat. 1991. Effects of habitat fragmentation on species richness: a simulation study. *Bull. Ecol. Soc. Am.* 72:295.

1990

- [203] Wu, J. and J.L. Vankat. 1990. System Dynamics modelling of the theory of island biogeography. pp.413 In *Proc. 5th Intern. Congr. Ecol.*, Yokohama, Japan, Aug. 23-30, 1990.
- [204] Wu, J. and J.L. Vankat. 1990. A mathematical model of forest island dynamics with STELLA simulation. pp.63-64 In *Proc. 5th Ann. Landscape Ecol. Symp.*, US-IALE, Miami Univ., Oxford.
- [205] Wu, J. and J.L. Vankat. 1990. System Dynamics modelling of forest island dynamics. pp.63 In *Proc. 5th Ann. Landscape Ecol. Symp.*, US-IALE, Miami University, Oxford, OH.

1989

- [206] Wu, J. and J.L. Vankat. 1989. A framework for studying species population dynamics of landscape patches. pp.47 In *Proc. 4th Ann. Landscape Ecol. Symp.*, US-IALE, Colorado State University, Fort Collins.

1988

- [207] Wu, J. and Y. Barlas. 1988. A System Dynamics model of population growth and regulation. Presented at the 1988 Annual Meeting of ESA, University of California, Davis.

1987

- [208] Wu, J., K.T. Paw U and J.L. Vankat. 1987. A simulation model of energy exchange processes between plant communities and environment. Presented at the 1987 Annual Meeting of ESA, Ohio State University, Columbus.

MENTORING OF GRADUATE & UNDERGRADUATE STUDENTS

Currently Advised/Co-advised Graduate Students

- [1] Fernandez, Ignacio (Ph.D., Urban ecology and sustainability), School of Sustainability; 2012-
- [2] Wilson, Maxwell (Ph.D., Landscape ecology and biodiversity), School of Life Sciences, 2012-
- [3] Zhou, Bingbing (Ph.D., Landscape sustainability science), School of Sustainability, 2015-
- [4] Fang, Xuening (Ph.D., Landscape sustainability), Beijing Normal University, 2016-
- [5] Guo, Xuan (Ph.D., Landscape sustainability), Beijing Normal University, 2016-
- [6] Jiang, Ye (Ph.D., Landscape Sustainability; part-time), Inner Mongolia University, Hohhot, 2009-
- [7] Liu, Yang (Ph.D., Landscape ecology), Beijing Normal University, 2016-
- [8] Qiao, Jianmin (Ph.D., Landscape sustainability), Beijing Normal University, 2014-
- [9] Shang, Chenwei (Ph.D., Landscape ecology), Beijing Normal University, 2015-
- [10] Tu, Xingyue (Ph.D., Urban sustainability), Beijing Normal University, 2015-
- [11] Zeng, Xiaoji (Ph.D., Landscape sustainability), Beijing Normal University, 2014-

Completed Ph.D. Students

- [1] Jeffrey Ackley (Ph.D., urban landscape ecology), School of Life Sciences, Arizona State University; 8/2009-8/2015
- [2] Ron Pope (Ph.D., urban landscape ecology), School of Life Sciences, Arizona State University; 8/2007-5/2014
- [3] Alexander Buyantuyev (Ph.D., urban landscape ecology), School of Life Sciences; Arizona State University; 2002-2008
- [4] Kaesha Neil (Ph.D., urban landscape ecology), School of Life Sciences, Arizona State University; 8/2002–12/2008
- [5] Darrel Jenerette (Ph.D., landscape/urban ecology), School of Life Sciences, Arizona State University; 1998 –2004
- [6] Hao, Ruifang (Ph.D., Landscape ecology/sustainability), Beijing Normal University, 2014-2017
- [7] Sun, Zexiang (Ph.D., Urban ecology/sustainability), Beijing Normal University, 2014-2017
- [8] Zhang, Da (Ph.D., Urban ecology/sustainability), Beijing Normal University, 2014-2017
- [9] Cao, Qian (Ph.D., Landscape Sustainability Science), Beijing Normal University, 2014-2016
- [10] Ma, Qun (Ph.D., Urban Ecology), Beijing Normal University, 2012-2016
- [11] Huang, Lu (Ph.D., Urban Ecology and Planning), Zhejiang Univ., Hangzhou, 2008-2015
- [12] Zhang, Meng (Ph.D., Urban Sustainability), China University of Mining Technology, 2013-2015
- [13] Liu, Zhifeng (Ph.D., Urban Ecology), Beijing Normal University, 2012-2014
- [14] Liu, Yupeng (Ph.D., Urban Ecology), Beijing Normal University, 2012-2014
- [15] Li, Cheng (Ph.D., Urban Landscape Ecology), East China Normal Univ., Shanghai, 2008-2013
- [16] Luo, Shanghua (Ph.D., Urban Landscape Ecology), Research Center for Eco-environmental Science, Chinese Academy of Sciences, Beijing, 2008-2013
- [17] Zhang, Jing (Ph.D., Landscape Ecology), Inner Mongolia University, Hohhot, 2010-2013
- [18] Mao, Qizheng (Ph.D., Urban Landscape Ecology), Research Center for Eco-environmental Science, Chinese Academy of Sciences, Beijing, 2008-2012
- [19] Sun, Xiaopeng (Ph.D., Urban Ecology/Eco-Beijing), College of Life Sciences, Beijing Normal University, 2008-2012
- [20] Liu, Jin (Ph.D., Landscape Ecology/Sustainability Science), Institute of Botany, Chinese Academy of Sciences, Beijing, 2005-2011
- [21] Xu, Guanghua (Ph.D., Landscape Ecology/Sustainability Modeling), Institute of Botany, Chinese Academy of Sciences, Beijing, 2008-2011
- [22] Tian, Yu (Ph.D., Conservation Biology/The Amur tiger), College of Life Sciences, Beijing Normal University, 2008-2011
- [23] Zhou, Ting (Ph.D., Restoration ecology), Sun Yat-Sen University, Guangzhou, 2009-2011
- [24] Hu, Guang (Ph.D., Landscape Ecology/Habitat Fragmentation), Zhejiang Univ., Hangzhou, 2007-2011
- [25] Yang, Qi (Ph.D., Landscape and urban ecology), Nanjing University, 2010-2011
- [26] Yi, Chengbo (Ph.D., Tourism sustainability), Sichuan University, Chengdu, 2007-2010

- [27] Wang, Hongfang (Ph.D., Landscape Genetics), College of Life Sciences, Beijing Normal University, 2006-2010
- [28] Tianming Wang (Ph.D., landscape ecology/watershed analysis), College of Life Sciences, Beijing Normal University, 2006-2008
- [29] Weijun Shen (Ph.D., landscape ecology), South China Institute of Botany, Chinese Academy of Sciences; 1998-2001

Completed M.S. Students

- [1] Milena Gross (M.S., Sustainability, Leuphana Program), School of Sustainability; 2016-2017
- [2] Tracy Shoumaker (M.S., Urban ecology), School of Life Sciences; 2008-2016 (part-time)
- [3] Fei Yuan (M.S., grassland ecology), School of Life Sciences, ASU; 2006-2011
- [4] Lisa Dirks (M.S., sustainability science), School of Sustainability, ASU; 2006-2010
- [5] Jennifer Litteral (M.S., landscape/conservation ecology), School of Life Sciences; 2006-2009
- [6] Sheryl Berling-Wolff (M.S., landscape/urban ecology), School of Life Sciences; 1997-2002 (part-time)
- [7] John “EBo” David (M.S., landscape/urban ecology), School of Life Sciences; 1/2000-8/2002
- [8] Matt Luck (M.S., landscape/urban ecology), School of Life Sciences, ASU; 8/1998-5/2001
- [9] Guan, Xuanxuan (M.S., Ecosystem/Landscape Ecology), Institute of Botany, Chinese Academy of Sciences, Beijing, 2008-2012
- [10] Chen, Yun (M.S., Urban Ecology/LUCC of Beijing), College of Life Sciences, Beijing Normal University, 2008-2011
- [11] Li, Qin (M.S., Conservation Ecology/The Amur tiger), College of Life Sciences, Beijing Normal University, 2008-2011
- [12] Wang, Wei (MS, Grassland Ecology/Carbon Sequestration), Institute of Botany, Chinese Academy of Sciences, Beijing, 2007-2011
- [13] Dong, Ning (MS, Landscape Ecology/Sustainability Science), Institute of Botany, Chinese Academy of Sciences, Beijing, 8/2007-2011
- [14] Zhongwen Li (MS, landscape ecology/forest fragmentation), College of Life Sciences, Beijing Normal University, 2006-2008
- [15] Yu Tian (M.S., landscape ecology/population dynamics of the Siberian tiger), College of Life Sciences, Beijing Normal University, 2006-2008
- [16] Que Sun (M.S., landscape ecology), Zhejiang University, Hangzhou, 2006-2008
- [17] Lizhong Ding (M.S., landscape ecology), Zhejiang University, Hangzhou, 2002-2005

Committee Member of Following Graduate Students

- [1] Brian Crnobrna (M.S.), School of Life Sciences, ASU, Ecology; 2016-
- [2] Darin Kopp (Ph.D.), University of Oklahoma, Norman; 2015-
- [3] Kira Sorochnikina (M.S.), School of Life Sciences, ASU, Plant Biology and Conservation; 2016-2017
- [4] Erick Lundgren (M.S.), School of Life Sciences, ASU, Ecology; 2015-2017

- [5] Ze Ren (Ph.D.), School of Life Sciences, ASU, Ecosystem Ecology; 2015-2016
- [6] Palden Choying (Ph.D.), School of Life Sciences, ASU, Conservation Biology; 2011-2016
- [7] Aimee Kessler (Ph.D.), School of Life Sciences, ASU, Ecology; 2006-2015
- [8] Laureano A. Gherardi (Ph.D.), School of Life Sciences, ASU, Ecology; 2010 - 2014
- [9] Rebecca Hale (Ph.D.), School of Life Sciences, ASU, Ecology; 2008-2013
- [10] Max Wilson (M.S.), School of Life Sciences, ASU, Conservation Biology; 2010-2012
- [11] Meg White (Ph.D.), School of Life Sciences, ASU, Ecology; 2005-12/2011
- [12] Sohyun Park (Ph.D.), College of Design, ASU, Environmental Design and Planning; 2006-8/2011
- [13] Brigitte Hogan (Ph.D.), School of Life Sciences, ASU, Ecology; 2005-2010
- [14] Lihua Yang (Ph.D.), School Of Public Affairs, ASU, 2007-2009
- [15] Jason Walker (Ph.D.), School of Life Sciences, ASU, Urban ecology; 2002-2008
- [16] Rychener Tyler (MS), School of Life Sciences, ASU, 2002-2006
- [17] Art Stiles (Ph.D.), School of Life Sciences, ASU, Plant ecology; 1998-2005
- [18] Julia Curro (Ph.D.), Biology, ASU, Ecosystem ecology; 1997-2005
- [19] Jill Welter (MS and Ph.D.), Biology, ASU, Ecosystem ecology; 1995-2004
- [20] Ernesto de Castro (Ph.D.), Plant Biology, ASU, Landscape ecology; 2000-2004
- [21] Todd Katzner (Ph.D.), Biology, ASU, Conservation/Landscape Ecology, 1996-2002
- [22] Ying Xu (Ph.D.), Civil & Environmental Engineering, ASU; 1998-2002
- [23] Lisa Dent (Ph.D.), Biology, ASU, Ecosystem ecology; 1995-1999
- [24] Joyce Francis (Ph.D.), Plant Biology, ASU, Community/landscape ecology; 1995-1999

Supervised undergraduate students:

- [1] Maria Eller (2016-2017); Served as Director of Honors Thesis (entitled: “Musical Improvisation Insights into Systems Thinking”; defended on April 3, 2017), Barrett Honors College, ASU
- [2] Michelle Jones (2015), Undergraduate student researcher
- [3] Jonathan Schultz (2008), Undergraduate student researcher
- [4] Jamie McCullough (2001), Undergraduate student researcher
- [5] Cindy Overton (1999-2002), Undergraduate student researcher
- [6] Ron Pope (1997-1998), undergraduate student researcher

SUPERVISED POSTDOCS AND VISITING SCIENTISTS:

Postdoctoral researchers:

- [1] Dehua Mao (2016-2018, ASU), Chinese Academy of Sciences
- [2] Qian Cao (2016-2018; BNU/ASU), Beijing Normal University
- [3] Qun Ma (2016-2018; BNU/ASU), Beijing Normal University
- [4] Yupeng Liu (2014-2017; BNU/ASU), Beijing Normal University
- [5] Zhifeng Liu (2014-2016; BNU/ASU), Beijing Normal University
- [6] Chi Zhang (2009-2011), Chinese Academy of Sciences, Urumqi

- [7] Suying Li (2008-2011; IMU), Inner Mongolia University of Technology, Hohhot
- [8] Chris Clark (2007-2009), US EPA
- [9] Bochul Whang (2007-2008; supported by Korean Science Foundation), Korea
- [10] Weijun Shen (2002-2004), South China Botanical Garden, Chinese Academy of Sciences, Guangzhou
- [11] Wanli Wu (2001)
- [12] Russell Watkins (1999)

Visiting scientists/Research associates:

- [1] Bai, Yongfei (2004, 2005, 2007, 2009, 2010), Institute of Botany, Chinese Academy of Sciences
- [2] Bian, Zhenxing (2016-2017), Shenyang Agricultural University, Shenyang
- [3] Cao, Qian (2014-2015), Beijing Normal University, Beijing
- [4] Chang, Xueli (1994-1995), Ludong University, Yantai
- [5] Fang, Xuening (2017-2018), Visiting Ph.D. student from Beijing Normal University
- [6] Gan, Xiaoyu (2015-2016), Sichuan University, Chengdu
- [7] Gao, Guangkuo (2010-2011), University of Shanghai for Science and Technology, Shanghai
- [8] Gong, Jianzhou (2013-2014), Guangzhou University, Guangzhou
- [9] Gu, Zhihui (2014-2015), Shenzhen University, Shenzhen
- [10] Guo, Jie (2015-2016), Nanjing Agricultural University, Nanjing
- [11] He, Lan (2015-2016), Southwest University, Chongqing
- [12] Hu, Guang (2015), Zhejiang Sci-Tech University, Hangzhou
- [13] Hu, Guohua (2015-2016), Sun Yat-Sen University, Guangzhou
- [14] Huang, Jianhui (2007, 2009, 2010), Institute of Botany, Chinese Academy of Sciences, Beijing
- [15] Huang, Lu (2011-2012), Hangzhou Dianzi University, Hangzhou
- [16] Jia, Zhibin (2011), Inner Mongolia University, Hohhot
- [17] Jiang, Mingxi (1996), Wuhan Institute of Botany, Chinese Academy of Sciences, Wuhan
- [18] Kobayashi, Tatsuaki (2008), Chiba University, Japan
- [19] Leng, Xin (2016-2017), Nanjing University, Nanjing
- [20] Li, Ang (2011), Institute of Botany, Chinese Academy of Sciences, Beijing
- [21] Li, Cheng (2009-2010), Guangdong Institute of Eco-environmental Science and Technology
- [22] Li, Guoqi (2007-2008), Ningxia University, Yinchuan
- [23] Li, Jingwei (2017-2018), Visiting Ph.D. student from Beijing Normal University
- [24] Li, Junxiang (2009-2010, 2007), East China Normal University, Shanghai
- [25] Li, Xiaoyu (2016-2017), Chinese Academy of Sciences, Urumqi
- [26] Li, Xinyu (2016), Beijing Institute of Landscape Architecture, Beijing
- [27] Liang, Cunzhu (2009-2010), Inner Mongolia University, Hohhot
- [28] Liu, Huiyu (2012-2013), Nanjing Normal University, Nanjing
- [29] Liu, Yuanbo (1999), Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, Nanjing
- [30] Liu, Yupeng (2013-2014), Beijing Normal University, Beijing
- [31] Liu, Zhifeng (2013-2014), Beijing Normal University, Beijing
- [32] Liu, Zhimin (2007), Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang

- [33] Lu, Jianbo (2007), Hangzhou Normal University, Hangzhou
- [34] Ma, Keming (2008), Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing
- [35] Ma, Qun (2014-2015, 2016-2017), Beijing Normal University, Beijing
- [36] Ma, Wenhong (2013-2014), Inner Mongolia University, Hohhot
- [37] Mao, Dehua (2016-2018, ASU), Chinese Academy of Sciences
- [38] Niu, Jianming (2008), Inner Mongolia University, Hohhot
- [39] Ou, Weixin (2012-2013), Nanjing Agricultural University, Nanjing
- [40] Pei, Fengsong (2015-2016), Jiangsu Normal University
- [41] Qian, Guixia (2008-2009), Inner Mongolia University, Hohhot
- [42] Ren, Hai (1999), South China Botanical Garden, Guangzhou
- [43] Shen, Weijun (2000-2001), South China Botanical Garden, Guangzhou
- [44] Sun, Danfeng (2011-2012), China Agricultural University, Beijing
- [45] Sun, Zexiang (2015-2016), Beijing Normal University, Beijing
- [46] Tian, Guangjin (2007-2008), Beijing Normal University, Beijing
- [47] Tian, Yu (2009-2010), Chinese Research Academy of Environmental Sciences, Beijing
- [48] Tu, Xingyue (2017-2018), Visiting Ph.D. student from Beijing Normal University
- [49] Wang, Zhengjun (2009-2010), Capital Normal University, Beijing
- [50] Whang, Bo Chul (2007-2008), Chonbuk National University, Jeonju, South Korea
- [51] Xiao, Hong (2008-2009), Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang
- [52] Xie, Hualin (2012-2013), Jiangxi University of Finance and Economics, Nanchang
- [53] Xie, Zhenglei (2017-2018), Jiangxi Normal University, Nanchang
- [54] Xing, Shaohua (2013-2014), Beijing Forestry University, Beijing
- [55] Xu, Caiyao (Sept. - Nov., 2017), Visiting Ph.D. student from Nanjing University
- [56] Yang, Qi (2009-2010), Chinese Research Academy of Environmental Sciences, Beijing
- [57] Yi, Chengbo (2007-2009), Sichuan University, Chengdu
- [58] Yu, Deyong (2014-2015), Beijing Normal University, Beijing
- [59] Yu, Runbing (2012-2013), Inner Mongolia University, Hohhot
- [60] Yuan, Xiu (2013-2014), Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing
- [61] Zeng, Lijun (2014-2015), Shandong University of Science and Technology, Qingdao
- [62] Zeng, Xiaoji (2016-2017), Beijing Normal University, Beijing
- [63] Zhang, Da (2015-2016), Beijing Normal University, Beijing
- [64] Zhang, Jing (2010-2011), Dalian Minzu University, Dalian
- [65] Zhang, Liquan (2000), East China Normal University, Shanghai
- [66] Zhang, Meng (2013-2014), China Agricultural University, Beijing
- [67] Zhang, Qing (2012-2013), Inner Mongolia University, Hohhot
- [68] Zhao, Chengyi (2000), Chinese Academy of Sciences, Urumqi
- [69] Zhao, Songting (2016), Beijing Institute of Landscape Architecture, Beijing
- [70] Zhao, Yuanyuan (2015-2016), Beijing Forestry University, Beijing
- [71] Zhou, Ting (2009-2010), Sun Yat-Sen University, Guangzhou

[72] Zhu, Ming (2014-2015), Nanjing University, Nanjing

EXTERNAL DISSERTATION/THESIS EXAMINER

- [1] Department of Geography, University of Victoria, Victoria, BC, Canada: Kristen Kilistoff: On the modifiable areal unit problem and kernel home range analyses: The case of woodland caribou (*Rangifer tarandus caribou*), Sept. 2014 (Thesis)
- [2] Department of Geography, University of Hong Kong: Yujing Xie, Habitat Loss and Fragmentation under Rapid Urbanization: The Spatio-temporal Dynamics of Causes, Processes and Consequences at Landscape Level, 2013. (Dissertation)
- [3] School of Geosciences, University of Sydney, Sydney, Australia: Elizabeth Moylan, An Investigation into Spatio-Temporal Models used in Landscape History Studies, 2006. (Dissertation)
- [4] Department of Geography, University of Hong Kong: Yanfeng (Felix) Yang, Land Use Changes and Ecological Rehabilitation: A Case Study in the Reservoir Region of the Three Gorges Project in China, 2005. (Dissertation)
- [5] Institute of Remote Sensing Applications, Chinese Academy of Sciences: Huang, Remote sensing and landscape analysis, 2003. (Dissertation)