XIAOFANG WEI

Professor of Geography, GIS, and Remote Sensing
Interim Chair, Department of Water Resources Management
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EDUCATION

Ph.D. Geography	Indiana State University, Terre Haute, USA
M.S. Marine Environmental Science	The Third Institute of Oceanography, China
B.E. Photogrammetry and Remote Sensing	Wuhan Technical University of Surveying and Mapping, China

PROFESSONAL EXPERIENCE

Full Professor **August, 2017 – Present**
Department of Water Resources Management
Central State University, Wilberforce, OH

Associate Professor **August, 2013 – August, 2017**
Department of Water Resources Management
Central State University, Wilberforce, OH

Assistant Professor **August, 2007 – August, 2013**
Department of Water Resources Management
Central State University, Wilberforce, OH

Courses Taught:
GEO 1110 Fundamentals of Geography
WRM/GEO 3370 Introduction to Geographic Information System
WRM/GEO 4370 Advance Geographic Information System
WRM/GEO 4470 Applied Remote Sensing
GEO 3313 Weather and Climate
GEO 2203 Geography of Latin America
GEO 4450 Special Problems in Geography
GEO 4495 Senior Project of Geography
GEL 1110 Oceanography
ARG 1250 Principles of Precision Agriculture

Visiting Assistant Professor **August, 2006-August, 2007**
Department of Geography
The George Washington University, Washington, DC
Courses Taught:
GEOG 110 Introductory Physical Geography
GEOG 113Techniques of Spatial Analysis
GEOG 222 Resources and Environment
GEOG 335 Climate and Human Ecology

Graduate Teaching/Research Assistant **August, 2001-August, 2006**
Department of Geography, Geology, and Anthropology
Indiana State University, Terre Haute, IN
Courses Taught/Projects Engaged:
GEOG 111 Physical Geography Lab
NASA LBA Amazon Information System
Terre Haute Urban Mapping Project

Assistant Researcher **August, 1992-August, 2001**
Center of Remote Sensing and Geographic Information System
The Third Institute of Oceanography, State Oceanic Administration (SOA), Xiamen, China.
Application of GIS in the Management of Marine Waste Dumping Sites in Xiamen Harbor, SOA.
Integrated Coastal Management in Xiamen Harbor, United Nations Development Programme (UNDP).
Application of Remote Sensing in Survey of Mangrove in Hainan Province, SOA.
Application of Remote Sensing in Survey and Mapping of Coral in Hainan Province, SOA.
Application of Remote Sensing in Marine Pollution Investigation, SOA.
Application of Remote Sensing in Monitoring Red Tides in Xiamen Harbor, SOA.
Application of GIS in the Management of West Waters of Xiamen Harbor, SOA.
Cadastral Information System for Gulangyu, Xiamen, SOA.
Coastal Functional Zoning of Xiamen Harbor, SOA.

COMMITTEES SERVED AT CENTRAL STATE UNIVERSITY

- Committee on Information and Technology, University Senate Committee, (2017-2020)
- Committee on Academic Technology, University Senate Committee, (2015-2017)
- Global Education Committee, Central State University (2013-Present)
- Committee on Writing Across the Curriculum, University Senate Committee (2014-present)
- Committee on Student Appeal, College of Science and Engineering , (2015-present)
- Executive Committee, Central State University Chapter of AAUP (2011-2014)
- AAUP Chapter Writing Committee, Central State University Chapter of AAUP (2010-Present)
- AAUP Chapter Budget Committee, Central State University Chapter of AAUP (2008-2009)
- Academic Policy Committee, Senate, Central State University (2007-Present)
- CSE Student Appeals Committee, College of Science and Engineering (2011-Present)
- CBI Visioning Committee, College of Business and Industry (2010-2011)
- CBI Handbook Committee, College of Business and Industry (2009-2011)
- CBI Banquet Committee, College of Business and Industry (2007-2011)
- Global Education Committee, Central State University (2012-Present)
- University Curriculum Committee, Central State University (2011-2012)
- Intellectual Climate Change Committee, Central State University (2010)
- Faculty Development Steering Committee, Central State University (2010-Present)
- CADRE Undergraduate Research Journal Committee, Central State University (2009 -Present)
- HLC Assessment Committee, Central State University (2009)

PROFESSIONAL SOCIETIES

- Society for Conservation and GIS (SCGIS)
- Association of American Geographers (AAG)
- American Society for Photogrammetry & Remote Sensing (ASPRS)
- American Association of University Professors (AAUP)
- American Geophysical Union (AGU)

RECENT RESEARCH AND EDUCATIONAL GRANTS AT CENTRAL STATE UNIVERSITY

- Principal Director, Building Education and Research Capacity of Unmanned Aerial Systems at Central State University, NIFA Capacity Building Grant, (2023-2027).
- Principal Investigator, Generation of Synthetic Hyperspectral Imagery to Support Training of Machine Learning Algorithms, AFRL Minority Leaders Research Collaboration Program (AFRL ML-RCP), (2021-2024).
- Principal Investigator, Strengthening Agricultural Geospatial Education and Research at Central State University, National Institute of Food and Agriculture (NIFA), (2017-2020).
- Lead Co Project Director, Ecosystem Sustainment of the Appalachian Forest Regions under Natural Gas Exploration in Ohio, National Institute of Food and Agriculture (NIFA) McIntyre-Stennis, (2016-2021).
- Principal Investigator, A Design Proposal for the Center for Cyber Sensor Networks for Human and Environmental Applications, National Science Foundation (NSF). (2013-2018).
- Principal Investigator, Target Identification using Hyperspectral Imaging Technology in Contested Environments, Air Force Research Laboratory (AFRL), (2014-2017).
- Co-Principal Investigator, Targeted Infusion Project: Curriculum enhancements in Geosciences through the infusion of environmental engineering practices into shale gas extraction technologies. National Science Foundation (NSF), (2013-2017).
- Principal Investigator, Ground Data Acquisition & Processing for Hyperspectral Imaging of Harmful Algal Blooms (HABs), NASA Glenn Research Center, (2014-2015).
- Principal Investigator, Atmospheric Correction and Feature Extraction of Nano Technology Enhanced Bolometry, Air Force Research Laboratory (AFRL), Fall 2012.
- Principal Investigator, STEM Woman Professional Development. Professional Development/ Workplace Development for ADVANCE Faculty, Second Annual CSU Internal ADVANCE: LEADER Mini Grant, Spring 2012.
- Principal Investigator, Using Invasive Species for Energy Production, Center of Excellence in Emerging Technologies, Department of Defense (DOD), Fall 2010.
- Principal Investigator, Wavelet Analysis for Biomass Estimation in Riparian Vegetated Areas of Lower Colorado River Basin, Second Annual ADVANCE: LEADER Consortium Mini-Grant, Fall 2010.
- Principal Investigator, Wavelet Analysis for Biomass Estimation in Riparian Vegetated Areas of Lower Colorado River Basin. Professional Development/Workplace Development for ADVANCE Faculty, Second Annual CSU Internal ADVANCE: LEADER Mini Grant, Fall 2010.
- Principal Investigator, Professional Development/Workplace Development for ADVANCE Faculty, First Annual CSU Internal ADVANCE: LEADER Mini Grant, Spring 2010.
- Principal Investigator, Real Time Kinetic Mapping at Central State University, ADVANCE: LEADER Consortium Mini-Grant, Fall 2009.
- Remote Sensing Investigator, Persistent Surveillance Project, Qbase, 2009.

- Remote Sensing Investigator, Applied Remote Sensing of Evapotranspiration; Funding Agency: United States Bureau of Reclamation (USBR), 2007 – 2011.
- Remote Sensing and GIS Investigator, Problem-Based Learning Hyper-spectral Imaging (HSI) Training Center; Funding Agency: National Nuclear Security Administration (NNSA), Department of Energy (DOE), 2007 -2012.
- Remote Sensing and GIS Investigator, Hyper spectral Imaging Analysis (HSIA) Summer Institute; Funding Agency: National Nuclear Security Administration (NNSA), Department of Energy (DOE)
- Remote Sensing Investigator, Multi-sensor virtual simulation for ATR testbed facilities, Air Force Research Laboratory, Minority Leaders Program (MLP)
- Remote Sensing Investigator, Remote Sensing Technology Demonstration, Minority Leaders Program(MLP)
- Lead GIS Researcher, Center for Allaying Health Disparities through Research and Education (CADRE); Funding Agency: National Institutes of Health (NIH), 2009 – 2014.
- Geography Researcher, In the footsteps of Katherine Wright: Promoting STEM women through LEADER; Funding Agency: National Science Foundation (NSF), Advancement of Women in Academic Science and Engineering (ADVANCE)

RESEARCH AND ACADEMIC AWARDS

- Group Achievement Award, Harmful Algal Blooms Airborne Hyperspectral Team, National Aeronautics and Space Administration (NASA), 2015.
- Certificate of Appreciation, International Education Week Committee, Central State University, 2014.
- Certificate of Faculty Excellence, College of Science and Engineering, Central State University, 2013.
- In Recognition of Faculty and Staff Proposals Submission on Research and Scholarly Activities, Central State University, 2012.
- Award of Faculty Exemplary Work on Research and Scholarly Activities in the Academic Year of 2010-2011, Central State University, 2011.
- In Recognition of the work mentoring the CSU Undergraduate Research Journal, CADRE, 2010.
- In Recognition of Faculty and Staff Proposals Submission on Research and Scholarly Activities, Central State University, 2010.
- Global Scholar Award for Academic Excellent, Indiana State University, 2006.
- Teaching assistantship/ scholarship, Indiana State University, USA, 2001-2006.
- Award of Advanced Technique in the State Oceanic Administration, SOA, China.
- Award of Advanced Technique in the Third Institute of Oceanography Institute, SOA, China.

RESEARCH RELATED ACTIVITIES AND TRAINING PROGRAM

- 2026 Summer Drone Workshop. The workshop provided opportunities for students to learn about drone basics, drone flying regulations and rules, drone image processing, and MATLAB programming.
- 2025 Summer Drone Workshop. The workshop provided learning opportunities for students to learn about drone basics, regulations and rules, drone image processing, and MATLAB programming.
- 2024 Summer Drone Workshop. The workshop provided learning opportunities for students to learn about drone basics, regulations and rules, drone image processing, and MATLAB programming.

- 2018 Summer Geospatial Science Workshop. The workshop provided opportunities for students to learn about GIS, remote sensing, and their application in watershed modeling.
- 2015 Algal Bloom Field Trip in Ohio Rivers: Summer 2015, Ohio. The field trips were conducted to collect the ground spectroradiometer data and water samples in Ohio rivers/reservoirs in response to harmful algal bloom.
- 2014 Algal Bloom Field Trip in Lake Erie: Summer 2014, Lake Erie. The field trips were conducted to collect the ground spectroradiometer data and water samples in Lake Erie in response to harmful algal bloom.
- 2013 Summer Field Trip: May, 2013, Blythe, California. The field trip was conducted to collect the ground spectroradiometer data and crop data in Palo Verde Irrigation District.
- 2011 Summer Biomass Field Trip: May 19 – 26, 2011, Blythe, California. The field trip was carried out to conduct the destructive and non-destructive biomass sampling and collecting field biomass measurement for riparian vegetation for tamaris (salt cedar) and arrow weed in the Cibola National Wildlife Refuge. Through the six days in the field, three sites of salt cedar were clean-cut and thirteen sites were collected with diameter and height measurement. Subsamples were shipped to CSU lab for drying and weighing for further biomass study.
- USBR 2009 Summer Biomass Field Trip: June 22–28, 2009, Blythe, California. Primary tasks include conducting the destructive biomass sampling and collecting field biomass measurement for riparian vegetation for tamaris (salt cedar) and arrow weed in the Cibola National Wildlife Refuge.
- National Nuclear Security Administration (NNSA) Summer Hyperspectral Institute: June 22 – August 1, 2008. A six-week NNSA hyperspectral workshop, I served as the key instructor for lectures on advanced hyperspectral image analysis, GIS, and GPS; hands-on exercise on ENVI and ArcGIS software; and field trips with students for handheld ASD Spectroradiometer, Garmin GPS Map units, and Real Time Kinematic (RTK) GPS system.
- USBR 2008 Summer Intensive Field Campaign: May 7–20, 2008, Blythe, California. Primary tasks included collecting vegetative reflectance using ASD handheld Spectroradiometer over the Palo Verde Irrigation District and Cibola National Wildlife Refuge for crops and riparian vegetation, compiling Digital Elevation Model for the study area, and assisting in the preparation for helicopter flight.
- SATTLITE Geotechniques Workshops: summer and fall in 2008. Two sections of the one-week Geotechniques Workshop for high school science teachers in Water Resources Management.

CONFERENCE AND WORKSHOP

- American Society of Photogrammetry and Remote Sensing (ASPRS) 2021 Annual Conference. 2021.
- Annual Conference of Society for Conservation GIS, July 2019, Asilomar, CA.
- ENVI Analytics Symposium, August 20-23, 2018, Denver, CO.
- NIFA Capacity Building Grant PD Meeting, July 11- 12, 2018, Washington, DC.
- ESRI User Conference, July 11 – 14, 2017, San Diego, CA.
- AFRL RCP Annual Program Review, September 20-22, 2016, Dayton, OH.
- HBCU-UP/CREST PI/PD Meeting, February 24-25, 2016, Washington DC.
- AFRL RCP Annual Program Review, September 15-17, 2015, Dayton, OH.

- Lake Erie HABs Campaign Data Meeting, January 2015, Lake Erie Center, Oregon, OH.
- Ohio Oil & Gas Energy Education Program STEM Teacher Workshop June 18-19, 2015, Marietta, OH.
- Ohio Innovation Summit, October 2014, Dayton, OH.
- AMS/NSF Climate Studies Diversity Project Workshop, May 2014, Washington DC.
- Annual Conference of Society for Conservation GIS, July 2014, Asilomar, CA.
- AMS Climate Studies Diversity Project workshop, May 2014, Silver Spring, MD.
- Annual Conference of American Society for Photogrammetry and Remote Sensing (ASPRS), March 2013, Baltimore, MD.
- National Urban Education Institute Conference – Passion Power Performance Now! January 2013, Cedarville, OH.
- EcoSummit 2012 - Ecological Sustainability. Restoring the Planet's Ecosystem Services, October 2012, Columbus, OH.
- GSA North-Central Section 46th Annual Meeting, April 2012, Dayton, OH.
- Keys to Academic Success: Faculty Development. ADVANCE: Leader, April 12, 2012, Dayton, Ohio.
- The 6th Annual Conference of University Clean Energy Alliance of Ohio (UCEAO), April 2012, Columbus, OH.
- 2012 National Urban Education Conference Multicultural Education – Becoming culturally relevant in the 21th century, January 2012, Wilberforce, OH.
- 2011 AmericanView Fall Technical Meeting, October 2011, Cleveland, OH.
- 2011 Earth System Science Education Alliance (ESSEA) Annual Conference, August 2011, Marquette, MI.
- 2011 Association of American Colleges and Universities (AAC&U) Engaging Departments Summer Institute, July 13-17, 2011, Ellicott City, MD.
- ADAPP-ADVANCE 2011 STEM Women of Color Conclave, June 3 -5, 2011, Atlanta, GA.
- The 2011 Annual Conference American Society for Photogrammetry & Remote Sensing (ASPRS), May 2011, Milwaukee, WI.
- 5th Annual Conference of University Clean Energy Alliance of Ohio (UCEAO), April 2011, Columbus, OH.
- The 2011 Annual Meeting of Association of American Geographers (AAG), April 2011, Seattle, WA.
- ESRI Increase Productivity with ArcGIS 10 Workshop, October 28, 2010, Columbus, OH.
- Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, WY.
- The USBR – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.
- Kettering Foundation 2010 Deliberative Democracy Exchange, June 2010, Dayton, OH.
- AFRL/NASA-GRC HBCU/MI Science, Technology, Engineering, and Mathematics (STEM) Collaboration Symposium, July 2010, Dayton, OH.
- East Lakes Division 2009 Conference of Association of American Geographers (AAG), October 2009, Dayton, OH.

- The 2009 ESRI Health GIS Conference, September 2009, Nashville, TN.
- The Higher Learning Commission Workshop "Making a Difference in Student Learning: Assessment as a Core Strategy", July 2009, Lisle, IL.
- The 2009 Annual Meeting of Association of American Geographers (AAG), March 2009, Las Vegas, NV.
- AMS Ocean Studies Course Implement Workshop, June 2008, Seattle, WA.
- The 2008 Annual Meeting of Association of American Geographers (AAG), April 2008, Boston, MA.
- Remote Sensing Conference, Great Midwestern Regional Space Grant Consortia, September 2007, West Lafayette, IN
- 2005 Annual Meeting of Association of American Geographers (AAG), April 2005, Denver, CO.

PEER-REVIEWED JOURNAL PUBLICATIONS

- Huanyang Zhao and **Xiaofang Wei**. Weather Constrained Deployability of Mapping and Spray UAVs in a Midwestern Agricultural Landscape, Applied Geography. (Submitted)
- **Xiaofang Wei**. Retrieval of Land Surface Temperature over Agricultural Fields Using Landsat 8 Imagery. American Society of Photogrammetry and Remote Sensing (ASPRS) 2021Annual Conference. 2021.
- Yongquan Zhao, Desheng Liu, and **Xiaofang Wei**. Monitoring cyanobacterial harmful algal blooms at high spatiotemporal resolution by fusing Landsat and MODIS imagery. Environmental Advances 2 (2020) 100008.
- **Xiaofang Wei**, Subramania I. Sritharan, Ramanitharan Kandiah, and John Osterberg. Allometric equations for the aboveground Tamarix biomass estimate in the Lower Colorado River Basin. Desert Plants. Volume 28 Number 2, December 2012.
- **Xiaofang Wei**, Biomass Estimation: A Remote Sensing Approach. *Geography Compass* © 2010 Blackwell Publishing Ltd. 4/11 (2010):1635-1647, 10.1111/j. 1749-8198.2010.00352.x
- **Xiaofang Wei**,; Lin Minji; Teng Junhua; Chen Shigan ;and Yang Xiaoqi; Designing and mapping dynamic charts by means of remote sensing for mangrove region—Test area in Qinglan Bay, Hainan Island; Journal of Oceanography In Taiwan Strait;1995-03
- **Xiaofang Wei** and Ryan Jensen. Wavelet-based Aboveground Biomass Estimate in Temperate Deciduous Forests. Research Journal of Earth and Planetary Sciences (RJEPS) (Submitted).

CONFERENCE PRESENTATION AND PROCEEDINGS

- Yang Liu, Hongxing Liu, **Xiaofang Wei**, Krishna Kumar Nedunuri, Ramani Kandiah, Subramania Sritharan. Spatial-temporal evolution of shale oil development in the Marcellus Shale in the past century. AAG 2018.
- **Xiaofang Wei**, Hongxing Liu, and Krishna Kumar V. Nedunuri. Airborne LiDAR Forest Mapping of Appalachian Ohio Region for Environmental Impact Study. ARD Research Symposium: 1890 Research: Meeting the 21st Century Challenges Through Innovation. Atlanta GA. April 2017.
- **Xiaofang Wei**, Ramanitharan Kandiah, and Josephine Johnson, Target Identification using Hyperspectral Imaging Technology in Contested Environments, September 2016, Dayton, Ohio.
- **Xiaofang Wei**, Ramanitharan Kandiah, and Benjamin Rives, Target Identification using Hyperspectral Imaging Technology in Contested Environments, September 2015, Dayton, Ohio.

- **Xiaofang Wei**, Andrew French, and Subramania I. Sritharan. Influence of atmospheric correction on image classification for irrigated agriculture in the Lower Colorado River Basin. American Geophysical Union (AGU) Fall Meeting, December 3-7, 2012, San Francisco, California.
- **Xiaofang Wei**, Subramania I. Sritharan, Ramanitharan Kandiah, and John Osterberg. Applying remote sensing for invasive Tamarix study in the Lower Colorado River Basin. EcoSummit 2012 - Ecological Sustainability. Restoring the Planet's Ecosystem Services, October 1 -2, 2012, Columbus, Ohio.
- **Xiaofang Wei**, Subramania I. Sritharan, Ramanitharan Kandiah, and John Osterberg, Modeling Invasive Salt Cedar Using Remote Sensing Techniques. 2012 GSA North-Central Section 46th Annual Meeting, April 23 -24, 2012, Dayton, Ohio.
- **Xiaofang Wei**, Subramania I. Sritharan, Ramanitharan Kandiah, and John Osterberg. Aboveground biomass study on Tamarix in the Lower Colorado River Basin. 2011 AmericanView Fall Technical Meeting, October 10 to 12, 2011, Cleveland, Ohio.
- **Xiaofang Wei**, Subramania I. Sritharan, Andrew French, David Ekhardt, John Osterberg, and Doyle Watts, Coupling 6S Correction for SEBAL Evapotranspiration Estimation in Lower Colorado River Basin The 2011 Annual Conference American Society for Photogrammetry & Remote Sensing (ASPRS), May 1-5, 2011, Milwaukee, Wisconsin.
- **Xiaofang Wei**, Subramania I. Sritharan, and John Davenport. Using Invasive Species – Salt Cedar for Energy Production. The 5th Annual Conference of University Clean Energy Alliance of Ohio (UCEAO), April 26 -27, 2011, Columbus, Ohio.
- **Xiaofang Wei** and Ryan Jensen, Wavelet Analysis for Aboveground Biomass Estimate in Temperate Deciduous Forest (Paper). The 2011 Annual Meeting of (AAG), April 12-16, 2011, Seattle, Washington.
- **Xiaofang Wei**, Subramania I. Sritharan, Ramani Kandiah, Keith Farrow, and John Davenport (2010). Implementation of SEBAL Algorithm with Landsat Thematic Mapper 5 in Lower Colorado River Basin. Proceeding of Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, Wyoming.
- **Xiaofang Wei**, Subramania I. Sritharan, Andy French, David Eckhardt, Ramani Kandiah, and Andre' Morton (2010). Atmospheric Correction of Landsat TM Imagery for Evapotranspiration Estimation in Lower Colorado River Basin. Proceeding of Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, Wyoming.
- **Xiaofang Wei**, Subramania I. Sritharan, John Osterberg, John Davenport, and Terrell Washington (2010). Salt Cedar Biomass Study in Cibola National Wildlife Refuge. Proceeding of Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, Wyoming.
- Ramani Kandiah, **Xiaofang Wei**, Subramania I. Sritharan, Doyle Watts, and et al. (2010). Ground Based Riparian Evapotranspiration Measurements for Remote Sensing Algorithms. Proceeding of Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, Wyoming.
- Subramania I. Sritharan, Pramila Khanal, **Xiaofang Wei** (2010). Stream - Aquifer Interaction Assessment Using Riparian Evapotranspiration Estimates from Remote Sensing Algorithms. Proceeding of Remote Sensing and Hydrology 2010 Symposium, September 27-30, 2010, Jackson Hole, Wyoming.
- **Xiaofang Wei**, Subramania I. Sritharan, Keith Farrow, and John Davenport. Implementation of SEBAL Algorithm with Landsat Thematic Mapper 5 in Lower Colorado River Basin. The USBS – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.

- **Xiaofang Wei**, Subramania I. Sritharan, Andy French, David Eckhardt, Ramani Kandiah, and Andre' Morton. Atmospheric Correction of Landsat TM5 Imagery using 6S and FLAASH. The USBS – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.
- **Xiaofang Wei**, Subramania I. Sritharan, John Osterberg, John Davenport, and Terrell Washington. Riparian Vegetation Biomass Study in Cibola National Wildlife Refuge. The USBS – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.
- Ramani Kandiah, **Xiaofang Wei**, Subramania I. Sritharan, Doyle Watts, and et al. Ground Based Riparian Evapotranspiration Measurements for Remote Sensing Algorithms. The USBS – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.
- Pramila Khanal, Subramania I. Sritharan, **Xiaofang Wei,** Mark Hatfield, Ramanitharan Kandiah and et al. (2010). Stream - Aquifer Interaction Assessment Using Riparian Evapotranspiration Estimates from Remote Sensing. The USBS – Alliance University, Applied Remote Sensing of Evapotranspiration Conference, August 2010, Las Vegas, NV.
- **Xiaofang Wei**, Salt Cedar Biomass Study in Cibola National Wildlife Refuge (Paper). The 2009 East Lakes Division Conference of AAG, Dayton, Ohio
- **Xiaofang Wei**, Atmospheric correction of Landsat 5 Thematic Mapper imagery using 6S and FLAASH (Paper). The 2009 Annual Meeting of AAG, Las Vegas, Nevada
- **Xiaofang Wei**, USBR Validation and Acquisition of Landsat Thematic Mapper Data. Alliance University Workshop, October 7-11, 2008, Logan, Utah.
- **Xiaofang Wei**, "Soil Erosion Modeling in Hoosier National Forest" (Poster). The 2005 Annual Meeting of AAG, 2005, Denver, Colorado
- **Xiaofang Wei**, "Digital Geometric Correction of Satellite Image in Qinglan Harbor", Research Report of Remote Sensing Bathymetry in Coastal Coral Reef Region, 1996
- **Xiaofang Wei**, "Dynamic Change Detection of Mangrove in Qinglan Harbor", Taiwan Straits, Vol. II, 1994

REVIEWED MATERIALS

- Panel Reviewer on USDA SBIR program
- Panel Reviewer on USDA CBG program
- Proposal Review - Investigating Rapid White Oak Mortality (RWOM) in Central East Missouri using Moderate Resolution, Multispectral Satellite Imagery. Lincoln University of Missouri (2015)
- Environmental Monitoring and Assessment Article Review - Agricultural practices in grasslands detected by spatial remote sensing (2014)
- Geographic Compass Article Review - Hyperspectral remote sensing of urban areas (2012)
- Geographic Compass Article Review - Kernel-Based Texture in Remote Sensing Image Classification (2011)
- Pearson Prentice Hall Book Review – Principles of Geographic Information Systems (2010)
- NSF Proposal Review – Developing a measure of nature deficit: A tool for examining factors and impacts of a popular theoretical construct Program for National Science Foundation (2009)
- Article Review - Geospatial Education at North Carolina Central University- an HBCU Perspective, Journal of Geoscience Education (2008)
- ESSEA Online Course Module Review – The Sea Ice module for ESSEA online course about the sea ice status over the polar areas and its causes and possible effects on the polar habitats (2008)