1. TEXAS STATE VITA

Academic/Professional Background

Name: JOHN PAUL TIEFENBACHER Title: Professor

Educational Background

Ph.D. (Geography). 1992. Rutgers University. Dissertation: “Pesticide Drift and the Hazards of Place in San Joaquin County, California”

M.S. (Geography). 1986. University of Idaho. Thesis: “The Evolution of a Wilderness Area Boundary: History and Politics of the River of No Return”

B.S. (Geography). 1984. Carroll College (Wisconsin). Double Major – Geography and History, Minor – German. Cum Laude.

Professional Experience

Professor, Texas State University, Fall 2002 – present
Associate Professor, Texas State University, Fall 1998 – Summer 2002
Assistant Professor, Texas State University, Fall 1992 – Summer 1998
Graduate Teaching Assistant, Rutgers University, 1987 – 1988, 1990 – 1992
Graduate Research Assistant, Rutgers University, 1988 – 1990
Graduate Teaching Assistant, University of Idaho, 1984 – 1986

Other Professional Credentials (licensure, certification, etc.)

TEACHING

Teaching Honors and Awards:

Teaching Award of Honor, Texas State University, Spring 2020.

Honorary Professor of International Studies, Texas State University from 2008 to present.

Favorite Professor. The Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society, Spring 2016.

Courses Taught:

Response to Climate Change (Masters and Doctoral Level at Texas State University)
Advanced Geographic Research Design (Doctoral Level at Texas State University)
Advanced Seminar in Environmental Geography (Doctoral Level at Texas State University)
Geography of the Hazards of Technology (Doctoral Level at Texas State University)
Geography of Natural Hazards (Doctoral Level at Texas State University)
Geography of Environmental Management (Doctoral Level at Texas State University)
Nature and Philosophy of Geography (Doctoral Level at Texas State University)
Air Quality Management (Undergraduate and master's at Texas State University)
Applied Geographic Research and Techniques (Master's Level at Texas State University)
Environmental Problems of the U.S.-Mexico Borderlands (Master's Level at Texas State University)
Environmental Management (Master's Level at Texas State University)
Geographic Analysis (Master's Level at Texas State University)
Geography of Technological Hazards (Master's Level at Texas State University)
Problems in Applied Geography-Hazards (Master's Level at Texas State University)
Problems in Applied Geography-Technological Hazards (Master's Level at Texas State University)
Geography of Europe (Master's Level at Texas State University)
Regional Field Studies (Master's Level at Texas State University)
Natural Resource Use and Management (Undergraduate Level at Texas State University)
Environmental Hazards and Land Management (Undergraduate Level at Texas State University)
Environmental Management (Undergraduate Level at Texas State University)
Political Geography (Undergraduate Level at Texas State University)
Energy Resource Management (Undergraduate Level at Texas State University)
World Geography (Undergraduate Level at Texas State University)
The Physical Environment (Undergraduate Level at Texas State University)
Cultural Environment (Undergraduate Level at Texas State University)
Geography of Europe (Undergraduate Level at Texas State University)
Regional Field Studies (Undergraduate Level at Texas State University)
Geography of the Russian Realm (Undergraduate Level at Texas State University)
Conservation of Natural Resources (Undergraduate Level at Rutgers University)
Introduction to Geography (Undergraduate Level at Rutgers University)
Advanced Physical Geography-Global Climate Change (Undergraduate Level at Rutgers University)
Physical Geography Laboratory (Undergraduate Level at Rutgers University)
Physical Geography Laboratory (Undergraduate Level at University of Idaho)

Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

Brom, Aileen. MAG, "Demographics of Wildfires: Using GIS to Predict Populations with Highest Risk from Wildfires in the Western U.S." ??? 2022. (Supervisor)

Flores-Ortiz, Harrison. Doctoral candidate. "A Framework Combining the Integrated Watershed-Management Model and the Water Soft-path Approach for Water Supply Management in the Caribbean: A Case Study of the Río Grande de Manatí Watershed." Expected graduation May 2023. (Supervisor)

Sanchez, Dustin, doctoral student, expected graduation May 2024. (Supervisor)

Sandoval, Chely, doctoral candidate, expected graduation May 2023. (Supervisor)

Weinand, Sebastian, MAG. “Texas Gulf Coast: Coastal Mitigation Policies and Methods,” expected graduation December 2021. (Committee Member)

Completed Degrees

1. Edwards, Teri. MS, “Operationalizing a Multi-driver Analysis Approached to Climate-induced Migration Changes: A Case Study in Bangladesh.” May 2022. (Supervisor)

2. Frost, Tyler. MAG, “Assessing Potential Impacts from the 2018 California Wildfires on Atmospheric Particulate Concentrations in U.S. National Parks.” December 2021. (Supervisor)

3. Ponstingel, Daria Andrievskikh, PhD, “The Governance of Community Gardens and Its Role in the Socio-environmental Outcomes of Gardening in Austin, Texas, USA,” May 2021. (Supervisor)

4. Buscha, Connie, PhD, “U.S. Military Places and Spaces as Geographies of Care and the Battle Against Military Sexual Violence.” August 2020. (Supervisor)

5. Williams, Chad, MS, “Housing Cooperatives and Inclusionary Zoning in the West Campus Neighborhood of Austin, Texas.” August 2020. (Committee Member)

6. Edwards, Hannah, MA, Sociology, “A Local-level Quantitative Study of the Relationship between Foreign-born Populations and Carbon Footprint.” August 2020. (Committee Member)

7. Bom, Upendra, PhD, “Understanding Perceptions of Climate Change and Adaptation Strategies in a Rural Mountainous Environment: A Case Study of Lower Mustang, Nepal,” December 2019. (Supervisor)

8. Mills, David, MS, “Agent-Based Modeling of the Transport of Tropospheric Ozone Generated by Point-Source Emissions of Ozone Precursors,” August 2018. (Committee Member)

9. Jenkins, Ashley, MS, “An Integrated Rural Tourism Approach to Normandy’s Cider Trail,” December 2016 (Committee Member)

10. Prince, Ben, PhD, “The Appalachian Trail: A Critical Study in Visual Representation and Landscape Production,” August 2016. (Committee Member)

11. Wiseman, Suzi, PhD, “Characterization and Measurement of a Soundscape of the Captive Southern White Rhinoceros (Ceratotherium Simum Simum) at a Wildlife Conservation Center,” December 2014. (Supervisor)

12. Shelton, Tom C., MS, “Spatial-temporal Cluster Analysis to Identify Emerging Agglomeration of Texas Wineries, 1973-2014,” August 2014. (Supervisor)

13. Zech, Jamie, PhD, "From the Grass Roots to the Tree Tops: Success, Space and the Geography of Environmental Organizations," May 2014. (Supervisor)

14. Campos, Roberto, PhD, "Enhancing Dengue Fever Modeling through a Multi-scale Analysis Framework – A Case Study in the Central Valley of Costa Rica," August 2013. (Committee Member)

15. Houlton, Shelrie, PhD, "Idea Generation in Group Decision-Making during School Shooting Simulations," August 2013. (Committee Member)

16. Hargrave, Larry, MAG, "Assessing the Impact of Temperature and Precipitation Variation on Hops Yield in Washington and Oregon 1960-2010," May 2013. (Supervisor)

17. Walker, Barry, MS, "The Geography of Murder: Landscapes Associated with Drug-related Killings in Mexico, 2009-2010," Master's Thesis, May 2013. (Supervisor)

18. Hall, Jeff, MAG, "The Accessibility and Equity of City of Austin Parks," December 2012. (Supervisor)

19. Townsend, Christi, PhD, "An Evaluation of Hazard Awareness among Viticulturalists in Texas," December 2012. (Committee Member)

20. Shepston, Desserae, PhD, "The Impact of Environmental Policies on Public and Private Forests in the Northwestern U.S. and Southwestern Canada," August 2012. (Supervisor)

21. Sims, Jarret. MSIS, Exit Exam. May 2012. (Committee Member)

22. Wan, Neng, PhD, "Disparities of Colorectal Cancer Survival in Texas," August 2011. (Committee Member)

23. Fuller, Angelika, BS, "A Geographic Analysis of Immigrant Detention in the U.S.A.: The Distribution and Environmental Contexts of Detention Centers," Undergraduate Honors Thesis, August 2011. (Supervisor)

24. Downey, Lee, MAG, "Environmental Change and the Onset of Conflict in Central and East Africa," May 2011. (Supervisor)

25. Mitchell, Josh, MAG, "An Ecosystem in Peril: An Analysis of Recent Ecotourism Trends in the Lower Rio Grande Valley," December 2010. (Supervisor)

26. Naber, Ashley, MAG, "Assessment of Vegetative Roof Installation in Bexar County, Texas," December 2010. (Committee Member)

27. Wilson, Sylvia, MS, "Barriers to Accessing Natural Disaster Information by Undocumented Immigrants," December 2010. (Supervisor)

28. Yow, Kate, MS, “The Influence of Place and Politics on Perceptions of Social and Environmental Risks among College Students,” August 2010. (Committee Member)

29. McAuley, Erin, MS, “The Regulatory Landscape of Mercury Management in the Northeastern United States,” August 2010. (Committee Member)

30. Stewart, Jordan, MS, “Wildfire Hazard and Egress Potential in Central Texas Neighborhoods,” May 2010. (Committee Member)

31. Nealer, Jon, MAG, “A Network Analysis of the Financial Costs and Inconveniences of Rural Low-water Crossing Hazard: The Upper Sink Creek Crossing at Ranch Road 12, San Marcos, Texas,” May 2010. (Supervisor)

32. Boster, Hayden. MSIS, Exit Exam. May 2010. (Committee Member)

33. He, Xueqin, PhD, “Residential Satisfaction with Home Location: Examination of the Relationship between Location-embedded Benefits and Risk Perception,” May 2009. (Supervisor)

34. Trease, Andrea, MAG, “Historical Geography of Parks in San Antonio, Texas: Governments, Comparative Analysis and National Trends in Park Development,” December 2008. (Supervisor)

35. Alexander, Andrew. MSIS, Exit Exam. August 2008. (Committee Member)

36. Shuey, Michelle, PhD, “The Contribution of Landscape Structure to Human-Mountain Lion Encounters in Boulder and Colorado Springs, CO, US,” August 2008. (Supervisor)

37. Cheever, Larry, MS, “Dasymetric Mapping and Environmental Equity in Bexar County, Texas,” May 2008. (Committee Member)

38. Ibes, Dorothy, MS, “Park-making in the Wake of Natural Disaster,” Master’s Thesis. May 2008. (Supervisor)

39. Dickman, Brian. MSIS, Exit Exam. December 2007. (Committee Member)

40. Bracewell, Jeff, MS, “Visual Impact from Towers at LBJ National Historical Park,” May 2006. (Committee Member)

41. Champagne, Roy, MAG, “The Locations and Causes of Flood-related Automobile Fatalities in Texas: Spatial Settings and Environmental Factors,” May 2006. (Supervisor)

42. Chi, Cheng (Tim), MAG, “Mercury Contamination Associated with the Gold Mining Process in California,” May 2006. (Committee Member)

43. Cunningham, Catherine. MS, “The Effectiveness of Public Participation: Public Engagement in the Re- permitting of a Smelter in El Paso, Texas,” May 2006. (Supervisor)

44. Egan, Kristine, PhD. “Geographic Analysis of the Terrorscape: The Spatial Patterns of Risk, Exposure, and Vulnerability to the Urban Terror Threat,” May 2006. (Supervisor)

45. Gray, Steven, MS, “Property Values and the NPL Listing: An Evaluation of the Southbend Subdivision and Brio Refining,” May 2006. (Supervisor)

46. Maples, Lauren Z., MS, “A Historical Geographic Assessment of Drowning Incidents in Automobiles during Texas Floods, 1950 – 2004,” May 2006. (Supervisor)

47. St. John-McCallister, Michalle, MAG, “An Assessment of Anthropogenesis of Forest Fires and the National Fire Danger Rating System (NFDRS) in Southern California’s National Forests,” August 2005. (Supervisor)

48. Crader, Mitch, MAG, “Assessing the Migration Patterns of Women in Prostitution along the U.S.-Mexico Border.” May 2005. (Supervisor)

49. Mernin, Todd, MAG, “Power Plants in Texas: Are Children at Risk?” May 2005. (Committee Member)

50. Hamlin, Lynne, MS, “The Abundance and Spatial Distribution of Blue Crabs (*Callinectes sapidus*) in the Guadalupe Estuary Related to Low Freshwater Inflow Conditions,” December 2004. (Committee Member)

51. Koenig Stewart, Carol, MAG, “A Study of the Impact of Hurricane Iris, October 8-9, 2001, on Tourism in Placencia, Belize, Central America.” December 2004. (Supervisor)

52. Egger, Clinton. MSIS, Exit Exam. August 2004. (Committee Member)

53. Hansen, Keith. MSIS, Exit Exam. December 2003. (Committee Member)

54. Yeh, Nai Chang "Luke". MSIS, Exit Exam. December 2003. (Committee Member)

55. Kidd, Greg. MSIS, Exit Exam. May 2003. (Committee Member)

56. Lehane, Gene, MAG, “The Geography of Sulfur Dioxide Pollution from Fossil-fueled Electric Power Plants in Texas: An Analysis of Plant and Demographic Characteristics,” May 2003. (Committee Member)

57. Westphal, Kristi, MS, “Mapping Perceived Risk of the Longhorn Pipeline in Travis County, Texas,” August 2002. (Committee Member)

58. Monfredo, William, PhD, “Tornado Scars: The Long-term Imprints of Disaster on the Texas Urban Landscape,” May 2002, 206 pp. (Supervisor)

59. Teinert, Brian, MS, “Residents’ Attitudes, Perceptions, and Encounters with Predators in El Cielo Biosphere Reserve, Tamaulipas, Mexico,” May 2002. (Supervisor)

60. Deshpande, Amruta. MSIS, Exit Exam. December 2001. (Committee Member)

61. Hagelman, Ronald R., III, PhD, “The Spatial Evolution of Urban Flood Hazard in San Antonio, Texas,” December 2001. (Supervisor)

62. McAfee, Mary K. MS, "Going Organic in the Lone-Star State: A Descriptive Study of the Geography of Organic Agriculture in Texas," December 2001. (Supervisor)

63. Sutton, Paul, PhD, “Population Growth Impacts on Water Quality in Austin, Texas,” December 2001. (Committee Member)

64. Pritchard, David, MAG, “What Are the Impacts of and Use Changes on Floodplains of Helotes Creek from 1953-2002?” August 2001. (Committee Member)

65. Archuleta, Christy-Ann, MAG, “A Risk Assessment of Farm Animal Waste Releases Due to Hurricane- related Flooding in Brazoria County, Texas,” May 2001. (Committee Member)

66. Edmundsen, Justin, MAG, “Assessment of the Emission Reductions Achieved in Texas Nonattainment Areas by Utilizing Electric Vehicles to Comply with Senate Bill 200,” May 2001. (Committee Member)

67. Romberg, Joshua W., MAG, “Socioeconomic and Environmental Changes in Texas Colonias: 1990-1999,” May 2001. (Committee Member)

68. Setzer, Y. Rita, MS, "A Historical Investigation of Morphological Change in the Rio Grande Channel below Brownsville, Texas in Response to Upstream Hydrologic Control Initiatives," December 2000. (Supervisor)

69. Drost, Michelle, MAG, "Living Near Toxic Facilities: The Characteristics of Three Texas Counties," August 2000, 14 pp. (Supervisor)

70. Bowles, Joseph B., MAG, "Using Geographic Information Systems to Identify Potential and Actual Contaminant Impacts on Wildlife Refuges: A Case Study of South Texas," August 1999, 45 pp. (Supervisor)

71. Dupuis, Michael J., MAG, "Public Perception of Puma concolor in Central Texas," May 1999. (Supervisor)

72. Gellner, David J., MAG, "Community Attitudes toward a Sanitary Landfill in Texas: Environmental Perception and Distance," May 1999. (Supervisor)

73. Hicks, Corey, MAG, "Education of On-site Sewage Facility Owners," May 1999, 28 pp. (Supervisor)

74. Price, Jordan, MAG, "Residential Mobility of Low-income, African Americans in Houston, Texas: A Comparative Study," December 1998. (Committee Member)

75. Underwood, John L., MAG, "Socioeconomic Factors and Residential Proximity to Toxic Release Facilities in the Mississippi Industrial Corridor of Louisiana," December 1998. (Committee Member)

76. Houston, Natalie A., MAG, "Historical Salinity Levels in the Public Ground Water Supply Near the Boling Salt Dome," May 1999. (Committee Member)

77. Martel Dupuis, Kathleen M., MS, "Changes in the Breeding Distribution of Three Species of Warblers: Black-and-White Warbler (*Mniotilta varia*), Pine Warbler (*Dendroica pinus*) and Kentucky Warbler (*Oporornis philadelphia*)" August 1998. (Committee Member)

78. Chandler, Christine, MS, "Factors Affecting Hydrocarbon Transport from Leaking Storage Tanks to Buildings in Texas," May 1998. (Supervisor)

79. Garcia, Stephanie, MS, "Superfund, Environmental Equity, and Community Involvement," May 1998. (Committee Member)

80. Smithhart, William G., MAG, "Landslide Susceptibility within the Balcones Escarpment Region of Central Texas: A Risk Classification Study," December 1997. (Supervisor)

81. Garrett, Hugh, MAG, "A Geography of HAZMAT Transportation Accidents in Texas," August 1997. (Supervisor)

82. Ingram, Rebecca, MS, "Pesticide Exposure Vulnerability Assessment for Southwest Hidalgo County, Texas," August 1997. (Supervisor)

83. Hagelman, Ronald R., III, MS, "The Socio-spatial Patterns of Acute and Chronic Toxic Air Releases in Texas, 1987-1989," May 1997. (Supervisor)

84. Michel, Milagros, MAG, "Economic Activity Indicators and Changes in Ozone Nonattainment Status in Urban Areas of the United States," May 1997. (Supervisor)

85. Dolan, Christopher, MS, "A Risk Assessment of the Existing Underground Storage Tanks Located Within the Recharge and Transition Zones of the Edwards Aquifer in Bexar County, Texas," December 1996. (Committee Member)

86. Walton, Joe, MS, "The Attributes of Repeat-visitors to Small, Tourist-oriented Communities in Texas," December 1996, 46 pp. (Supervisor)

87. Moore, Andy, MAG, "Analysis of Solid Waste Collection Availability in Colonias of Hidalgo County, Texas," August 1996. (Committee Member)

88. Myers, Lois. MSIS, Exit Exam. August 1996. (Committee Member)

89. Schmidt, Lanette A., MAG, "Visitors' Perceptions of Air Quality of Big Bend National Park," August 1996, 34 pp. (Supervisor)

90. Fortner, Wendy, MAG, "New Residential Growth in Austin, Texas 1970-1990," May 1996. (Committee Member)

91. Kohout, Michal, MS, "A Geography of Maquiladora Unions," May 1996. (Committee Member)

92. Konopka, Dena Chavez, MAG, "Representing Risk: A Geography of Toxic Air Emissions in Texas," May 1996. (Supervisor)

93. Nickels, Charlene R. MAG, "Depopulation of the Rural Great Plains Counties of Texas," May 1996. (Committee Member)

94. Kaplan, Lisa, MAG, "An Analysis of Texas Pesticide Poisonings," December 1995, 16 pp. (Supervisor)

95. Davidson, Terry L., MAG, "Nitrate Contamination, Texas Aquifers, and Public Water System Supply Wells" May 1995. (Committee Member)

96. Koehler, Marianne B., MA, "Reauthorization of the Federal Superfund Law: A Case Study" Political Science. May 1995. (Committee Member)

97. Murr, Chris, MAG, "Operation and Maintenance Practices of Septic Tank-Soil Absorption System Users within Hays County, Texas," December 1994. (Committee Member)

Courses Prepared and Curriculum Development:

Response to Climate Change (Master's and Doctoral Levels at Texas State University, 2013)
Geography of the Hazards of Technology (Doctoral Level at Texas State University, 1996)
Advanced Seminar in Environmental Geography (Doctoral Level at Texas State University, 1996)
Geography of Hazards (Doctoral Level at Texas State University, 1996)
Geography of Environmental Management (Doctoral Level at Texas State University, 2006)
Air Quality Management (Undergraduate and Master's Levels at Texas State University, 1995)
Environmental Problems of the U.S.-Mexico Border (Master's Level at Texas State University, 1996)
Geography of Hazards (Master's Level at Texas State University, 1995)
Technological Hazards (Master's Level at Texas State University, 1997)
Global Climate Change (Undergraduate and Master's Levels at Rutgers University, 1988)

Funded External Teaching Grants and Contracts:

Submitted, but not Funded, External Teaching Grants and Contracts:

Funded Internal Teaching Grants and Contracts:

Submitted, but not Funded, Internal Teaching Grants and Contracts:

Other:

SCHOLARLY/CREATIVE

Works in Print

Books (if not refereed, please indicate)

Scholarly Monographs:

1. Solís, Patricia, Fabián Araya Palacios, Betsy Bach, Santiago Borrero Mutis, Dorothy Collins Andreas, Garrett Broad, Christopher Burton, Donovan Campbell, Andrea Birgit Chavez Michaelson, Ashley Coles, Craig Colten, Claudia Coronel, Susan Cutter, Rhona Díaz, Gina Eosco, Maricarment Esquivel, Mary Finley-Brook, Tim Frazier, Melissa Haeffner, Charmaine Heslop-Thomas, Peter Howe, Enessa Janes, Nancy Kidd, Diana Laguna, Noris Martínez, Graciela Metternicht, Elma Montaña, Felipe Murtinho, Todd Norton, Javier Nuñez, Dan O'Hair, Margarita Paras, Jean Parcher, Iván Jorge Ramírez, Carmen Reyes, Humberto Reyes Hernandez, Dan Rowe, Tania Maria Sausen, Darío Solís Caballero, Leah Sprain, Jason Tambie, Eric Tate, John Tiefenbacher, Shari Veil, Jesica Melina Viand, Melinda Weathers, Sylvia Wilson, Nathan Wood, Brent Yarnal, and May Yuan. 2010. *Climate Change and Hazards in the Americas: Interational Interdisciplinary Research Directions and Opportunities [Cambio climatic y riesgos en las Américas: Directrices y oportunidades de investigación interdisciplinaria internacional]*. Washington, DC: Association of American Geographers. 20 pp. [Not refereed.]

2. Tiefenbacher, John P., Contributing Author. 1999. *Disasters by Design: A Reassessment of Natural Hazards in the United States*, Dennis Miletti, Washington, DC: Joseph Henry Press.

Textbooks:

Edited Books:

1. Tiefenbacher, John P., Editor. 2022. *Climate Change in Asia and Africa - Examining the Biophysical and Social Consequences, and Society's Responses*. London: IntechOpen. ISBN: 978-1-83962-630-2. [Open access] doi:10.5772/intechopen.77537

2. Tiefenbacher, John P., Editor. 2022. *Environmental Management: Pollution, Habitat, Ecology, and Sustainability*. London: IntechOpen. ISBN: 978-1-83962-547-3, 978-1-83962-546-6 (print), 978-1-83962-548-0 (eBook) [Open access] doi:10.5772/intechopen.94788

3. Tiefenbacher, John P. and Davod Poreh, Editors. 2020. *Spatial Variability in Environmental Science*. London: IntechOpen. ISBN: 978-1-83962-460-5; Print ISBN: 978-1-83962-459-9; eBook (PDF) ISBN: 978-1-83962-461-2. [Open access] doi:10.5772/Intechopen.87655

4. Tiefenbacher, John P., Editor. 2020. *Global Warming and Climate Change*. London: IntechOpen. ISBN: 978-1-83880-995-9; Print ISBN: 978-1-83880-994-2; eBook (PDF) ISBN: 978-1-83880-996-6 [Open access] doi:10.5772/Intechopen.84934

5. Tiefenbacher, John P., Editor. 2019. *Natural Hazards - Risk, Exposure, Response, and Resilience*. London: IntechOpen. doi:10.5772/Intechopen.77841. ISBN: 978-1-78984-086-5; Print ISBN: 978-1-78984-085-8, eBook (PDF) ISBN: 978-1-78985-441-1. [Open source] doi:10.5772/intechopen.77841

6. Tiefenbacher, John P., Editor. 2013. *Approaches to Disaster Management – Examining the Implication of Hazards, Emergencies and Disasters*. Rijeka, Croatia: IntechOpen. doi: 10.5772/1112; ISBN 978-953-51-1093-4. [Open source] doi:10.5772/3355

7. Tiefenbacher, John P., Editor. 2012. *Approaches to Managing Disaster - Assessing Hazards, Emergencies and Disaster Impacts*. Rijeka, Croatia: IntechOpen. doi: 10.5772/3355; ISBN 978-953-51-0294-6. [Open source] doi:10.5772/1112

8. Tiefenbacher, John P., Editor, 2012. *Perspectives on Nature Conservation – Patterns, Pressures and Prospects*. Rijeka, Croatia: IntechOpen. doi: 10.5772/1374; Print ISBN: 978-953-51-0033-1. [Open source] doi:10.5772/1374

Chapters in Books:

1. Ghanian, Mansour, Omid M. Ghoochani, Latif Mohammadzadeh, Matthew Cotton, Gul Özerol, and John P. Tiefenbacher. 2023 “Interactions Between Changing Climates and Land Uses: The Case of Urmia Lake, Iran.” *Indigenous and Local Water Knowledge, Values and Practices,* M. Basu, R. DasGupta (eds.). Singapore, Singapore: Springer Nature Singapore Pte Ltd., pp. 139-159. https://doi.org/10.1007/978-981-19-9406-7_9

2. Tiefenbacher, John P. 2022. “Preface.” *Climate Change in Asia and Africa - Examining the Biophysical and Social Consequences, and Society's Responses.* London: IntechOpen. ISBN: 978-1-83962-630-2. [Open access] doi:10.5772/intechopen.77537

3. Tiefenbacher, John P. 2022. “Preface.” *Environmental Management: Pollution, Habitat, Ecology, and Sustainability*. London: IntechOpen. Pp. xv-xvi. ISBN: 978-1-83962-547-3 [Open access] doi:10.5772/intechopen.94788

4. Arabameri, Alireza, Wei Chen, Thomas Blaschke, John P. Tiefenbacher, Biswajeet Pradhan, and Dieu Tien Bui. 2022. “Gully Head-Cut Distribution Modeling Using Machine Learning Methods—A Case Study of N.W. Iran.” In Csaba Centeri (Ed.) *Soil Water Erosion.* Pp. 5-30. Basel: MDPI. ISBN Hardcover: 978-3-0365-3240-0; ISBN PDF: 978-3-0365-3241-7. Reprinted from: *Water* 2020. 12(16). doi:10.3390/w12010016 [Open access]

5. Tiefenbacher, John P. 2021. “The Russian Heatwave of 2010.” In Bimal Paul (Ed.) *Natural Hazards and Disasters: From Avalanches and Climate Change to Water Spouts and Wildfires, Volume 2*. Pp. 141-145. Santa Barbara, CA, USA: ABC-CLIO. ISBN Hardcover: 978-1-4408-6213-7; eBook: 978-1-4408-6214-4.

6. Tiefenbacher, John P and Davod Poreh. 2020. “Preface.” In *Spatial Variability in Environmental Science* (John P. Tiefenbacher and Davod Poreh, editors). London: IntechOpen. ISBN: 978-1-83962-460-5; Print ISBN: 978-1-83962-459-9; eBook (PDF) ISBN: 978-1-83962-461-2. [Open access] doi:10.5772/Intechopen.87655

7. Arabameri, Alireza, Artemi Cerda, and John P. Tiefenbacher. 2020. “Spatial pattern analysis and prediction of gully erosion using novel hybrid model of entropy - weight of evidence.” In *The Effect of Hydrology on Soil Erosion* (Jesús Rodrigo-Comino, José María Senciales-González, andJosé Damián Ruiz-Sinoga, editors), Basel: MDPI Chapter 12: 211-233. [Open access] ISBN 978-3-03936-644-6 (Hbk); ISBN 978-3-03936-645-3 (PDF). doi:10.3390/books978-3-03936-645-3

8. Tiefenbacher, John P. 2020. “Preface.” In *Global Warming and Climate Change* (John P. Tiefenbacher, editor). London: IntechOpen, pp. XI-XIII. ISBN: 978-1-83880-995-9; Print ISBN: 978-1-83880-994-2; eBook (PDF) ISBN: 978-1-83880-996-6 [Open access] doi:10.5772/Intechopen.84934

9. Tiefenbacher, John P. 2020. “Introduction – Climates, Change, and Climate Change” In *Global Warming and Climate Change* (John P. Tiefenbacher, editor). London: IntechOpen, pp. 3-14. doi: 10.5772/intechopen.92192. Book ISBN: 978-1-83880-995-9 [Open access] Book doi: 10.5772/Intechopen.84934

10. Tiefenbacher, John P. 2019. “Preface.” In *Natural Hazards - Risk, Exposure, Response, and Resilience* (John P. Tiefenbacher, editor). London: IntechOpen, pp. XI-XII. doi:10.5772/Intechopen.77841. ISBN: 978-1-78984-086-5. [Open access]

11. Tiefenbacher, John P. and Christi G. Townsend. 2019. The Semiofoodscape of Wine: The Changing Landscape of the Cultures of Making, Selling, and Drinking Wine. In: Stanley Brunn and Roland Kehrein (eds). *Handbook of the Changing World Language Map*. Springer, Cham. Chapter 215: 4103-4145. doi:10.1007/978-3-319-73400-2213-2

12. Tiefenbacher, John P. 2017. “Water: Urban.” in *The International Encyclopedia of Geography*. John Wiley & Sons, Ltd. DOI: 10.1002/9781118786352.wbieg0126.

13. Tiefenbacher, John P. 2014. “Urban Hazards.” in *Cities of North America: Contemporary Challenges in U.S. and Canadian Cities*, Lisa Benton-Short, ed., pp. 335-376. Lanham, MD: Rowman and Littlefield. ISBN 978- 1-4422-1313-5.

14. Tiefenbacher, John P. 2013. “Natural Hazards and Risk.” *Oxford Bibliographies in Geography*. http://www.oxfordbibliographies.com/view/document/obo-9780199874002/obo-9780199874002-0082.xml?rskey=W9ZCJg&result=22&q=. Date added: May 28, 2013.

15. Tiefenbacher, John P. 2013. “Preface.” In *Approaches to Managing Disaster – Examining the Implications of Hazards, Emergencies, and Disasters*, John P. Tiefenbacher, ed. Rijeka, Croatia: IntechOpen. ISBN 978-953- 51-1093-4. [Open access]

16. Tiefenbacher, John P. 2012. “Preface.” In *Approaches to Managing Disaster - Assessing Hazards, Emergencies and Disaster Impacts*, John P. Tiefenbacher, ed. Rijeka, Croatia: IntechOpen. ISBN 978-953- 51-0294-6. [Open access]

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In Review:

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38. Arabameri, Alireza, John P. Tiefenbacher, Subodh Chandra Pal, Romulus Costache, Naser Ahmad, Muhammad Al-Amin Hoque, Rabin Chakrabortty, Artemi Cerda, and Dieu Tien Bui. In review – 2020.

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39. Nhu, Viet Ha, Tahere Jalilian, Saeed Khoshtinat, Ebrahim Nohani, Saro Lee, Mahdi Panahi, Khabat Khosravi, John Tiefenbacher, Hiep Van Le, Indra Prakash, and Binh Thai Pham. In review – 2020. "Groundwater Spring Potential Prediction Using Several Bivariate Models." *Remote Sensing*.

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41. Ardakani, Amir Hossien Hatefi, Saeed Shojaei, Zahra Kalantari, and John P. Tiefenbacher, Artemi Cerda. In review – 2020. "Selecting locations for groundwater recharge by means of remote sensing and GIS and weighting based on Boolean logic and analytic hierarchy process." *Environmental Earth Sciences*. October 19th.

42. Arabameri, Alireza, Omid Asadi Nalivan, Aman Arora, Manish Pandey, Biswajeet Pradhan, John P. Tiefenbacher, Artemi Cerdà, M. Santosh, and Dieu Tien Bui. In review – 2020. "Groundwater potential mapping with machine learning models and sampled fractions of the training and validation dataset." *Environmental Earth Sciences*. October 5th.

43. Arabameri, Alireza, Omid Asadi Nalivan, Aman Arora, Manish Pandey, John P. Tiefenbacher, Artemi Cerdà, and Dieu Tien Bui. In review – 2020. "Groundwater spring potential mapping in the Lake Urmia basin." *Science of the Total Environment*. June 7th.

44. Zarei, Mehdi, Abdullah Kaviani Rad, Hamidreza Pourghasemi, and John P. Tiefenbacher. In review – 2020. "The COVID-2019 crisis and its consequences for global warming and climate change." *International Journal of Global Warming*. July 2nd.

45. Arabameri, Alireza, Sunil Saha, Jagabandhu Roy, Kaustuv Mukherjee, M. Santosh, John P. Tiefenbacher, and Dieu Tien Bui. In review – 2020. "Novel ensembles of RBF network and hybrid meta classifiers in land subsidence susceptibility mapping using k-fold validation approaches." *Journal of Environmental Management*. July 13th.

46. Ojeda-Olivares, Edwin Antonio, Salvador Isidro Belmonte-Jimenez, Sadoth Sandoval-Torres, John P Tiefenbacher, Jose Oscar Campos-Enriquez, and Maria A. Ladron de Guevara-Torres. In review – 2020. "A methodological approach for including potential water pollution in water availability studies." *Ecological Indicators*. May 29th.

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5. 2019. Review of *Development Arrested: The Blues and Plantation Power in the Mississippi Delta* (by Clyde Woods, Verso Press, 2017). *The AAG Review of Books. October 19, 2019*

6. 2019. Review of *Midnight in Chernobyl: the untold story of the world's greatest nuclear disaster* (by Adam Higginbotham, Simon & Schuster, 2019). *Choice Magazine* 57(1): ##.

7. 2019. Review of *Organic Sovereignties: Struggles Over Farming in an Age of Free Trade* (by Guntra A. Aistara, University of Washington Press, 2018). *Choice Magazine* 56(10): ##.

8. 2018. Review of *Environmental Disaster in the Gulf South: Two Centuries of Catastrophe, Risk, and Resilience* (edited by Cindy Ermus. Louisiana State, 2018) *Choice Magazine* 55(11): ##.

9. 2017. Review of *The Flood Year, 1927: A Cultural History* (by Susan Scott Parrish, Princeton University Press, 2017). *Choice Magazine* 54(10): ##.

10. 2017. Review of *Contextualizing Disaster* (edited by Gregory V. Button and Mark Schuller, Berghahn Books, 2016). *Choice Magazine* 54(9): ##.

11. 2016. Review of *Restoring the shining waters: Superfund success at Milltown, Montana* (by David Brooks, University of Oklahoma Press, 2015). *Choice Magazine* 53(7): 3052.

12. 2016. Review of *Where Texas Meets the Sea: Corpus Christi and Its History* (by Alan Lessoff, University of Texas Press, 2015). *Journal of Historical Geography*. 54: 121-122.

13. 2015. Review of *A Fairytale in Question: Historical Interactions between Humans and Wolves* (edited by Patrick Masius and Jana Sprenger, White Horse Press, 2015). *Choice Magazine* 52(12): 6526.

14. 2015. Review of Sea of Storms: A History of Hurricanes in the Greater Caribbean from Columbus to Katrina (by Stuart B. Schwartz, Princeton University Press, 2015). *Choice Magazine*. 52(10): 5475.

15. 2015. Review of *Wilderburbs: Communities on Nature's Edge* (by Lincoln Bramwell. University of Washington Press, 2014). *Choice Magazine*. 52(7): 3839. doi: 10.5860/CHOICE.188007.

16. 2014. Review of *An Environmental History of Wildlife in England, 1650-1950* (by Tom Williamson. Bloomsbury, 2014 (c2013)). *Choice Magazine* 51(12): 6964. doi: 10.5860/CHOICE.51-6964.

17. 2014. Review of *Animals as Neighbors: The Past and Present of Commensal Species* (by Terry O'Connor, Michigan State University Press, 2013). *Choice Magazine* 51(8): 4514. doi: 10.5860/CHOICE.51-4514

18. 2014. Review of *Thinking Like a Watershed: Voices from the West* (edited by Jack Loeffler and Celestia Loeffler, University of New Mexico Press, 2012). *New Mexico Historical Review* 89(1): 100- 1.

19. 2013. Review of *Placing Animals: An Introduction to the Geography of Human-animal Relations* (by Julie Urbanik, Rowman & Littlefield, 2012). *Choice Magazine* 50(6): 1098.

20. 2012. Review of *The Routledge Handbook of Hazards and Disaster Risk Reduction* (edited by Ben Wisner, J.C. Gaillard and Ilan Kelman, Routledge, 2011). *Choice Magazine* 49(12): 2328.

21. 2012. Review of *The Disaster Experts: Mastering Risk in Modern America* (by Scott Gabriel Knowles, University of Pennsylvania Press, 2011). *Choice Magazine* 49(7): 1305.

22. 2011. Review of *The Indian Ocean Tsunami: The Global Response to a Natural Disaster* (ed. by Pradyumna P. Karan and Shanmugam P. Subbiah, University Press of Kentucky, 2011). *Choice Magazine* 48(11): 2143.

23. 2011. Review of *Climatopolis: How Our Cities Will Thrive in the Hotter Future* (by Matthew E. Kahn, Basic Books, 2010). *Choice Magazine* 48(10): 1960.

24. 2011. Review of *In Katrina's Wake: the U.S. Coast Guard and the Gulf Coast Hurricanes of 2005* (by Donald L. Canney, University Press of Florida, 2010). *Choice Magazine* 48(9): 1764.

25. 2010. Review of *Indigenous Peoples and Climate Change in Latin America and the Caribbean* (by Jakob Kronik and Dorte Verner, The World Bank, 2010). *Choice Magazine* 48(4): 733.

26. 2010. Review of *Toxic Archipelago: A History of Industrial Disease in Japan* (by Brett L. Walker, University of Washington Press, 2010). *Choice Magazine* 48(3): 570.

27. 2010. Review of *Wild Games: Hunting and Fishing Traditions in North America* (ed. by Dennis Cutchins and Eric A. Eliason, Tennessee, 2009). *Choice Magazine* 48(1): 146.

28. 2010. Review of *Killing Tradition: Inside Hunting and Animal Rights Controversies* (by Simon J. Bronner, University of Kentucky Press, 2008). *Choice Magazine* 47(8): 1548.

29. 2010. Review of *Helping Families and Communities Recover from Disaster: Lessons Learned from Hurricane Katrina and Its Aftermath* (ed. by Ryan P. Kilmer, Virginia Gil-Rivas, Richard G. Tedeschi, and Lawrence G. Calhoun, American Psychological Association, 2010). *Choice Magazine* 47(6): 1114.

30. 2009. Review of *World without End? Environmental Disaster and the Collapse of Empires* (by Ian Whyte, I.B. Taurus, 2008). *Choice Magazine* 46(9): 1764.

31. 2008. Review of *A Cultural History of Animals: v.1: In Antiquity; v.2: In the Medieval Age; v.3: In the Renaissance; v.4: In the Age of Enlightenment; v.5: In the Age of Empire; v.6: In the Modern Age* (by various editors, Berg Press, 2007). *Choice Magazine* 46(4): 735.

32. 2008. Review of *Tourism and the Consumption of Wildlife: Hunting, Shooting, and Sport Fishing* (ed. by Brent Lovelock, Routledge, 2008). *Choice Magazine* 46(2): 238.

33. 2008. Review of *The Middle Path: Avoiding Environmental Catastrophe* (by Eric Lambin, University of Chicago Press, 2007). *Choice Magazine* 45(10): 1826.

34. 2008. Review of *Lawn People: How Grasses, Weeds, and Chemicals Make Us Who We Are* (by Paul Robbins, Temple University Press, 2007). *Choice Magazine* 45(10): 1812.

35. 2007. Review of *States of Nature: Conserving Canada's Wildlife in the Twentieth Century* (by Tina Loo, UBC Press/Washington, 2006). *Choice Magazine* 45(2): 344.

36. 2007. Review of *The Swamp: The Everglades, Florida, and the Politics of Paradise* (by Michael Grunwald, Simon & Schuster, 2006). *Choice Magazine* 44(6): 1041.

37. 2006. Review of *The Lost Wolves of Japan* (by Brett L. Walker, University of Washington Press, 2005). *Choice Magazine* 44(7): 1251.

38. 2006. Review of *Mad about Wildlife: Looking at Social Conflict over Wildlife* (edited by Ann Herda-Rapp and Theresa L. Goedeke, Koninklijke Brill NV, Leiden, The Netherlands, 2005). *Choice Magazine* 44(7): 1263.

39. 2005. Review of *Nature's Altars: Mountains, Gender, and American Environmentalism* (by Susan R. Schrepfer, University Press of Kansas, 2005). *Choice Magazine* 43(3): 559.

40. 2005. Review of *Social Power and the Urbanization of Water: Flows of Power* (by Erik Swyngedouw, Oxford University Press, 2004). *Annals of the Association of American Geographers* 95(4), 887-889.

41. 2004. Review of *Monuments of Progress: Modernization and Public Health in Mexico City, 1876-1910* (by Claudia Agostoni, University of Calgary Press, University Press of Colorado, and Universidad Nacional Autonoma de Mexico, 2003). *Environmental History* 9(3), 536-37.

42. 2004. Review of *On the Border: An Environmental History of San Antonio* (edited by Char Miller, University of Pittsburgh Press, 2001). *Geographical Review* 93(1): 143-144.

43. 2003. Review of *American Hazardscapes: The Regionalization of Hazards and Disasters* (edited by Susan L. Cutter, Joseph Henry Press, 2001). *The Professional Geographer* 55(3): 401-402.

44. 2000. Review of *Economics and Policy Issues in Climate Change* (edited by William D. Nordhaus, Resources for the Future, 1998). *The Social Science Journal* 37(3): 491-493.

45. 1999. Review of *Rising Tide: The Great Mississippi Flood of 1927 and How It Changed America* (by John M. Barry, Simon and Schuster, 1997). *Southwestern American Literature* 24(2): 101-103.

46. 1998. Review of *Environmental Politics and Policy: Theories and Evidence* (edited by James P. Lester, Duke University Press, 1995). *Social Science Quarterly* 79(2): 481-82.

47. 1996. Review of *Cesar Chavez: A Triumph of Spirit* (by Richard Griswold Del Castillo and Richard A. Garcia, Oklahoma University Press, 1995). *Southwestern American Literature* 21(2): 129-130.

48. 1994. Review of *Policy Implications of Greenhouse Warming* (Committee on Science, Engineering, and Public Policy (U.S), National Academy of Sciences, 1991). *The Professional Geographer* 46(1): 120-121.

<u>Other:</u>

<u>Works not in Print</u>

Papers Presented at Professional Meetings:

1. Tiefenbacher, John P. 2019. “Vulnerability of People, Places, and Systems: Tenuous Living in Transboundary Spaces,” The Sixth International Congress “Smart Russia 2019: Distance Education of Persons with Disabilities,” Moscow, Russia. September 27, 2019.

2. Tiefenbacher, John P. 2019. “From Communicating Disaster to Portraying Damage: Assessing the Actual Impacts of Extreme “Natural” Events on Wine Regions Through Cartographic Representations of Destruction.” American Association of Geographers Annual Conference, Washington, DC, April 2019.

3. Tiefenbacher, John P. 2018. “Meteorological Disasters of World Wine Regions.” American Association of Geographers Annual Conference, New Orleans, Louisiana, April 2018.

4. Tiefenbacher, John P. 2015. “Tracing Tempranillo: Examining the Historical Geography of Producing Tempranillo Wines from the Early 20th Century to the Present,” Association of American Geographers Annual Conference, Chicago, Illinois, April 2015.

5. Tiefenbacher, John P. 2014. “Academic Publishing,” Invited Panelist, Southwest Division of the Association of American Geographers/Great Plains and Rocky Mountains Division of the Association of American Geographers Annual Meeting, Albuquerque, NM, October 2014.

6. Tiefenbacher, John P. 2014. “Prospects for Climate Change Focused Greenhouse Gas Emissions Mitigation in United States Communities: Discrimination of the Committed Communities Using Their Economic, Behavioral and Social Characteristics,” International Geographical Union 2011 Regional Geography Conference, Krakow, Poland, August 2014.

7. Tiefenbacher, John P. 2014. “Climate Change and “Experimental” Viticulture in the Margins: Growth, Change, and the Future of Hybridized Grape Varieties Created for Past Climates of the North Central United States,” Association of American Geographers Annual Conference, Tampa, Florida, April 2014.

8. Tiefenbacher, John P. 2013. “The Babble of Babbling Babblers: The Mysterious and Confounding Terminology of Hazards Research and Its Unfortunate Use in Climate Change Adaptation and Resilience Management.” Southwest Division of the Association of American Geographers (SWAAG) Annual Conference, Nacogdoches, Texas, October 2013.

9. Tiefenbacher, John P. 2013. “Converting Terroir-ism from "We" to "Me": Using Notions of Place to Control Quality and Competition in the Wine Industry,” Association of American Geographers Annual Conference, Los Angeles, California, April 2013.

10. Tiefenbacher, John P. 2012. “Terroir-ism in California’s Wine Industry: Wineries' Use of Place to Indicate Quality on Their Websites,” Southwest Division of the Association of American Geographers (SWAAG) Annual Conference, Las Cruces, New Mexico, October 2012.

11. Tiefenbacher, John P. 2012. “Geographic Assessment of Climate Change-induced Adaptation and Mitigation Programs in the Americas,” International Congress of Americanists Conference, Vienna, Austria, July 2012.

12. Tiefenbacher, John P. 2012. “Saving (and Selling) Place (and Time) in a Bottle: Using Place to Advertise Wines,” Association of American Geographers Annual Conference, New York, NY, February 2012.

13. Tiefenbacher, John P. and Christi Townsend. 2011. “Spatial Shifts of the Wine Industry from 1961 to 2008: An Empirical Framework for Understanding the Geography of Wine Production,” International Geographical Union 2011 Regional Geography Conference, Santiago, Chile, November 2011.

14. Townsend, Christi and John P. Tiefenbacher. 2011. “Spatial Change in South American Viticulture: Static Factors and Dynamic Processes in Past, Present, and Future Chilean and Argentinean Land Use Patterns and Varietal Choices,” International Geographical Union 2011 Regional Geography Conference, Santiago, Chile, November 2011.

15. Wilson, Sylvia Natalia and John Paul Tiefenbacher. 2010. “Barreras hacia el acceso de información de reisgos de desastres naturales de los inmigrantes indocumentados en Tejas (Barriers to the Access of Natural Hazards Risk Information by Undocumented Immigrants in Texas)” Congreso Internacional "Desastres y Ordenamiento Territorial en las Américas" (International Conference "Disasters and Land Management in the Americas"), Instituto Panamericano de Geografía e Historia (Panamerican Institute for Geography and History) (IPGH), Lima Peru, November 2010.

16. He, Xueqin and John P. Tiefenbacher. 2009. “Regional Variation in Environmental Attitudes and Behavior: A Comparison of East Coast and West Inland Areas in China” Association of American Geographers Annual Conference, Las Vegas, NV, April 2009.

17. Samson, Eric, John Tiefenbacher, and Xueqin (Elaine) He. 2008. “Watch or Warning? Confusion of a Simple Message” Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, San Marcos, TX, October 2008.

18. Tiefenbacher, John P. and Ronald R. Hagelman. 2008. “Expressions of Territoriality through the Geography of Humanitarian Aid in Latin America” 31st International Geographical Congress, Tunis, Tunisia, August 2008.

19. Tiefenbacher, John P. and Ronald R. Hagelman. 2008. “Bi-national Emergency Response Cooperation in the U.S.-Mexico Borderlands” The International Emergency Management Society, Prague, Czech Republic, June 2008.

20. Hagelman, Ronald R. and John P. Tiefenbacher. 2008. “The Geography of "Generosity" and Nation-State Linkages in Humanitarian Aid, 2000-2007” The International Emergency Management Society, Prague, Czech Republic, June 2008.

21. Tiefenbacher, John P. and Ronald R. Hagelman. 2008. “Urban Evacuations, 1985-2007” Association of American Geographers Annual Conference, Boston, MA, April 2008.

22. Hagelman, Ronald R. and John P. Tiefenbacher. 2008. “Evacuations in the United States, 1995-2005” Association of American Geographers Annual Conference, Boston, MA, April 2008.

23. He, Xueqin (Elaine) and John P. Tiefenbacher. 2008. “What Makes Floodplain Residents Satisfied with Their Home Location?” Association of American Geographers Annual Conference, Boston, MA, April 2008.

24. Tiefenbacher, John P. 2008. “A Regional Analysis of Environmental Policy Impacts and Latino Environmental Activism in Texas” Latinos and Public Policy in Texas Conference, Austin, TX, April 11-12, 2008.

25. He, Xueqin (Elaine) and John P. Tiefenbacher. 2007. “Is Public Emergency Communication Biased? Comparing Newspaper Coverage of Bridge Collapses in the U.S. and the P.R. China” Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, Bryan, TX, November 2007.

26. Hagelman, Ronald R. and John P. Tiefenbacher. 2007. “An International Assessment of Emergency Evacuations, 1995-2005” Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, Bryan, TX, November 2007.

27. Tiefenbacher, John P. 2007. “Hazard in Space, Geometry and Landscape: The Role of Visibility, Design and Speed in Water Crossing Hazards in the Hill Country of Texas” Association of American Geographers Annual Conference, San Francisco, CA, April 2007.

28. He, Xueqin, Eric Samson, and John P. Tiefenbacher. 2007. “International Student Risk Perception and Avoidance of Hurricane Hazards in Houston” Association of American Geographers Annual Conference, San Francisco, CA, April 2007.

29. Tiefenbacher, John P. 2007. “The Environmental and Health Implications of Petcoke Energy Production.” Stormont Conference, Victoria College, Victoria, TX, February, 2007.

30. Tiefenbacher, John P. 2006. “Assessing the Hazard, Risk and Vulnerability of Low Water Crossings in the Hill Country, Texas” Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, Norman, OK, October 2006.

31. Tiefenbacher, John P. 2006. “Special Panel Discussion: Gilbert White’s Contributions to Geography (In Memory of Gilbert White (1911-2006))” Invited Panelist/Discussant, Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, Norman, OK, October 2006.

32. Tiefenbacher, John P. 2006. “The Role of International Boundaries in Hazard, Social Vulnerability, and Disaster: A Case Study along the U.S.-Mexico Border” Linnea Terrarum Conference, El Paso/Ciudad Juarez/Las Cruces, March 2006.

33. Tiefenbacher, John P. and Carol Koenig-Stewart. 2005. “The Impacts of Hurricanes Mitch, Keith and Iris on Tourists, Tourism, and Development in Belize, 1998-2003” Applied Geography Conference, Washington, DC, November 2005.

34. Tiefenbacher, John P. and Lauren Z. Maples. 2005. “Employing the Borderlands Context for Comparative Assessments of Social Vulnerability to Flooding.” Association of Borderlands Studies and Western Social Science Association Annual Conference, Albuquerque, NM, April 2005.

35. Tiefenbacher, John P. 2005. “Roadway Hazard Patterns during Flash-flood Events in Texas.” Association of American Geographers Annual Conference, Denver, CO, April 2005.

36. Tiefenbacher, John P. 2004. “Factors Associated with Frequency and Location of Flooded Roads in Bexar County, Texas.” Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting, Nacogdoches, TX, November 2004.

37. Tiefenbacher, John P. 2002. “Towards a Geography of Animal Hazards: Alligator Attacks and the Spatial Pattern of Alligator-Human Encounters.” Association of American Geographers Annual Conference, Los Angeles, CA, March 2002.

38. Tiefenbacher, John P. and Michelle L. Shuey. 2001. “Pursuits or Chance Encounters? Temporal and Spatial Behaviors of People and Puma in Big Bend National Park, Texas, US” Applied Geography Conference, Fort Worth, TX, November 2001.

39. Tiefenbacher, John P. 2001. "A 450-year Historical Geography of Flood Hazard, Risk and Mitigation in Guanajuato, Mexico." Association of American Geographers Annual Conference, New York, NY, February-March 2001.

40. Tiefenbacher, John P. and Michelle Shuey. 2001. "The Political Geography of the Puma in the Western United States: 19th Century Fears in the 21st Century." The Western Section of the Wildlife Society Annual Conference, Sacramento, CA, February 2001.

41. Tiefenbacher, John P., David R. Butler, and Michelle L. Shuey. 2000. “A Spatial Evaluation of Cougar-Human Encounters in U.S. National Parks: The Cases of Glacier and Big Bend National Parks.” The 6th Mountain Lion Workshop, San Antonio, TX, December 2000.

42. Tiefenbacher, John P. 2000. "The Cat Food Chronicles: An Insensitive Look at the Geography of a Century of Mountain Lion Predation on People in Texas and the American West." Southwest Division of the Association of American Geographers Annual Conference, College Station, TX, November 2000.

43. Tiefenbacher, John P. 2000. "Bioaccumulative, and Toxic Chemicals in the Texas-Tamaulipas Borderlands: A Review of the Evidence." Association of Borderlands Studies and Western Social Science Association Annual Conference, San Diego, CA, April 2000.

44. Tiefenbacher, John P., Ronald R. Hagelman III, and Reno J. Cecora. 2000. "The Big Squeeze: Results from the 1998 California Citrus Disaster Survey." Association of American Geographers Annual Conference, Pittsburgh, PA, April 2000.

45. Tiefenbacher, John P. 1999. "Geography's Role in Building Hazard Resistant Communities" 24th Annual Boulder Workshop on Hazards Research and Applications - Research Roundup, Boulder, CO, July 1999.

46. Tiefenbacher, John P. 1999. "The Spatial Response of the Citrus Industry to Freeze in the Texas-Mexico Borderlands," Association of Borderlands Studies Annual Conference, Fort Worth, TX, April 1999.

47. Tiefenbacher, John P. 1998. "'From Muddy Waters': Disaster's Role in the Birth of Blues Music in the Mississippi Delta," Southwest Division of the Association of American Geographers Annual Conference, Baton Rouge, LA, October 1998.

48. Tiefenbacher, John P. 1998. "'It's in the Water' -- Rio Grande 'Brew' and the Past, Present, and Future of Water Quality in the Lower Rio Grande Valley," American Society for Environmental History Annual Regional Conference, San Antonio, TX, May 1998.

49. Tiefenbacher, John P. 1998. "The Last Valley Freeze-out: Spatial Change in the Citrus Industry in Texas," Association of American Geographers Annual Conference, Boston, MA, March 1998.

50. Tiefenbacher, John P. 1998. "Applying to Graduate School." Invited Panelist/Discussant, Association of American Geographers Annual Meeting, Boston, MA, March 1998.

51. Tiefenbacher, John P. 1998. "Exogenous Factors, Open Systems, and GIS for Environmental Health Research in the Borderlands." Association for Borderlands Studies Annual Meeting, Nogales, AZ, February 1998.

52. Tiefenbacher, John P. 1997. "Land Use Response to Rapid-Onset Disasters: Freezes in Citrus-growing Regions in the U.S." 22nd Annual Boulder Workshop on Hazards Research and Applications, Denver, CO, July, 1997.

53. Tiefenbacher, John P. 1997. "La frontera química: A Spatial Analysis of Emissions and Spills of Toxic Substances on the American Side of the U.S.-Mexico Border," Association of Borderlands Scholars and Western Social Science Association Joint Annual Meeting, Albuquerque, NM, April, 1997.

54. Tiefenbacher, John P. 1997. "Border Disorder: A Spatial Analysis of Intentional and Accidental Releases of Toxics on the Texas-Mexico Border," Association of American Geographers Annual Meeting, Fort Worth, TX, April 1997.

55. Tiefenbacher, John P. 1997. "Applying to Graduate School," Invited Panelist/Discussant, Association of American Geographers Annual Meeting, Fort Worth, TX, April 1997.

56. Tiefenbacher, John P. 1996. "Plenary Session: What Are the Realities of GIS Use in Hazards Mitigation?" Invited Moderator, 21st Annual Boulder Workshop on Hazards Research and Applications, Denver, CO, July 1996.

57. Tiefenbacher, John P. 1996. "When the Frost is On the Grapefruit: The Spatial and Social Dimensions of Citrus Freeze Damage in the Lower Rio Grande Valley of Texas," Association of American Geographers Annual Meeting, Charlotte, NC, April 1996.

58. Tiefenbacher, John P. 1996. "Teaching Hazards Geography." Invited Panelist/Discussant, Association of American Geographers Annual Meeting, Charlotte, NC, April 1996.

59. Tiefenbacher, John P. 1996. "Using New Technologies for Hazards Geography Research." Invited Panelist/Discussant, New Methods for Hazards Research in Geography: a conference sponsored by the Hazards Specialty Group of the Association of American Geographers, Charleston, SC, April 1996.

60. Konopka, Dena and John P. Tiefenbacher. 1995. "Representing Risk: A Geography of Toxic Air Emissions in Texas," Southwest Division of the Association of American Geographers Annual Meeting, Las Cruces, NM, October 1995.

61. Tiefenbacher, John P. and Lisa Kaplan. 1995. "An Analysis of Texas Pesticide Poisonings," Southwest Division of the Association of American Geographers Annual Meeting, Las Cruces, NM, October 1995.

62. Tiefenbacher, John P. 1995. "The Social Implications of Synergy and Potentiation of Airborne Toxics: A Spatial Study," Association of American Geographers Annual Meeting, Chicago, IL, March 1995.

63. Tiefenbacher, John P. 1995. "Geography and Environmental Ethics III: Equity and Justice." Invited Panelist/Discussant, Association of American Geographers Annual Meeting, Chicago, IL, March 1995.

64. Tiefenbacher, John P. 1994. "Policy Implications of Synergy and Potentiation of Atmospheric Pollutants from Agriculture, Industry, and Transportation: A Spatial Examination of Toxics in San Joaquin County, California." Society for Risk Analysis Annual Meeting, Baltimore, MD, December 1994.

65. Tiefenbacher, John P. 1994. "The Historical Development of the Pesticide Driftscape: Changing Technologies, Changing Geographies," Association of American Geographers Annual Meeting, San Francisco, CA, April 1994.

66. Tiefenbacher, John P. 1993. "Application of GIS to the Analysis of Residential Exposure to Airborne Pesticide Drift: Prospects and Needs." Association of American Geographers Annual Meeting, Atlanta, GA, April 1993.

67. Tiefenbacher, John P. 1992. "Pesticide Driftscapes: Disparities in Potential Airborne Pesticide Exposure," Association of American Geographers Annual Meeting, San Diego, CA, April 1992.

68. Tiefenbacher, John P. 1991. "Blowin' in the Wind: Pesticide Drift Exposure Potential in San Joaquin County, California: A Hazards of Place Approach," Association of American Geographers Annual Meeting, Miami, FL, April 1991.

69. Tiefenbacher, John P. 1990. "Population Exposure to Pesticide Drift in Suburbanized Agricultural Areas," Association of American Geographers Annual Meeting, Toronto, Ontario, Canada, April 1990.

70. Cutter, Susan L., William D. Solecki, and John P. Tiefenbacher. 1989. "The Psychometric Analyses of Technological Risks and Benefits Revisited," Society for Risk Analysis Annual Meeting, San Francisco, CA, October 1989.

71. Tiefenbacher, John P. 1989. "The Politics of Boundary-Making and the Establishment of a Wilderness Area," Association of American Geographers Annual Meeting, Baltimore, MD, March 1989.

72. Tiefenbacher, John P. 1989. "Framing the Forest or Fitting the Picture? Boundary Placement Choices during the Establishment of a Wilderness Area," Second Regional Graduate Student Conference, Piscataway, NJ, February 1989.

Invited Talks, Lectures, and Presentations:

1. Tiefenbacher, John P. “Vulnerability of People, Places, and Systems: Tenuous Living in Transboundary Spaces,” Colloquium Presentation, American Center (U.S. Embassy), Moscow, Russia. September 27, 2019.

2. Tiefenbacher, John P. “Environmental Geography: People, Nature, Places, Spaces, and Problems,” Colloquium Presentation, Instituto Politécnico Nacional / CIIDIR Oaxaca (Instituto Politécnico Nacional-Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional Unidad-Oaxaca), Oaxaca, Mexico. May 24, 2019.

3. Tiefenbacher, John “Spatial Changes in U.S. (and World) Wine Production: Innovations, Trends, and Shifts due to Changes in Climate, in Markets, and in Adventurous Consumers,” Colloquium Presentation, Department of Geography, Rennes 2 University, Rennes, France. March 14, 2016.

4. Parcher, Jean, John Tiefenbacher, and Fabián Araya Palacios “Crossing Borders: Language, Vocabulary, Concepts, and Disciplines” Integration of Research on Climate Change and Hazards in the Americas, Panama City, Panama, June 22, 2010.

5. Tiefenbacher, John “Responses to Perceived and Real Climate-change-induced Hazards” Invited Lecture, Integration of Research on Climate Change and Hazards in the Americas, Panama City, Panama, June 18, 2010.

6. Tiefenbacher, John P. “Participating in Professional Organizations” Invited Lecture, Texas State University, Department of Geography, March 31, 2010.

7. Tiefenbacher, John P. “The Geography of Chemical Pollutants and the Epidemiology of Disease” Invited Lecture, Texas State University and Project Flowing Waters, San Marcos High School, San Marcos, Texas, March 18, 2010.

8. Tiefenbacher, John P. “The Potential for Geomatic Applications in Research and Management of Hazards” Invited Lecture, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, September 2005.

9. Tiefenbacher, John P. “Conceptualizing Vulnerability for Research in Mexico City” Invited Lecture, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, September 2005.

10. Tiefenbacher, John P. “Spatial Patterns of Flooded Roadways in Texas: The Interaction of Roads, Rainfall, and Topography” Invited Colloquium, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, September 2005.

11. Tiefenbacher, John P. “Loving Nature, but Fearing the Wild: Spatial Dimensions of Animal Attacks on Humans.” Invited Lecture, Department of Geography, Texas A&M University, College Station, TX, October 8, 2004.

12. Tiefenbacher, John P. “Hazards, Resilient Communities, and Planning.” Invited Lecture, Department of Planning, Massey University, Palmerston North, New Zealand, July 30, 2004.

13. Tiefenbacher, John P. “Auditing Research Projects for the Program to Discourage Proliferation of Weapons Development in the Former Soviet Republics: STCU in Ukraine.” Invited Lecture, Annual Alumni Reunion and Student Celebration, Department of Geography, Texas State University-San Marcos, April 24, 2004.

14. Tiefenbacher, John P. “The Geography of Animal Hazards.” Invited Lecture, Department of Geography, University of New Orleans, New Orleans, LA, March 8, 2004.

15. Tiefenbacher, John P. “Low Water Crossings during Flood Events: Assessing the Attributes of Problematic Flooded Small and Intermittent Stream Crossings during Deadly, Heavy-rainfall Events.” Invited Colloquium, Gamma Theta Upsilon, Department of Geography, Texas State University-San Marcos, October 28, 2003.

16. Tiefenbacher, John P. “Vulnerability in Event-Tree Analysis: Thoughts about the Complexity of Risk” Invited Colloquium, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, February 2003.

17. Tiefenbacher, John P. “Vulnerability of People, Places and Institutions: How Knowledge of Their Characteristics Might Simplify and Improve Hazard Mitigation and Emergency Management” Invited Colloquium, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, February 2003.

18. Tiefenbacher, John P. “The Influence of Hazards and Disasters on Places: Studies in Natural and Technological Hazards” Invited Colloquium, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, November 2001.

19. Tiefenbacher, John P., "Environmental Racism, Equity and Justice: What Are They and What Good Are They?" Guest Lecture, Introduction to U.S. Ethnic Studies, April 2001.

20. Guest Speaker, "Air-quality Related Health Risks from NAFTA Transportation in South Texas Border Communities" National Association of Environmental Professionals, Southwest Texas State University chapter, April 1999.

21. Tiefenbacher, John P., "Environmental Racism, Equity and Justice: What Are They and What Good Are They?" Guest Lecture, Introduction to U.S. Ethnic Studies, April 1999.

22. Tiefenbacher, John P. "Research On Air Quality In Laredo, Texas" Guest Lecture, Southwest Texas Chapter Of The National Association Of Environmental Professionals, April 1999.

23. Tiefenbacher, John P. "Research on Environmental Hazards in the Texas-Tamaulipas Borderlands" Guest Lecture, Universidad Autonomo de Tamaulipas, Ciudad Victoria, Tamaulipas, Mexico, March 1999.

24. Tiefenbacher, John P. "Environmental Racism, Equity and Justice: What Are They and What Good Are They?" Guest Lecture, Introduction to U.S. Ethnic Studies, April 1998.

25. Tiefenbacher, John P. "Airborne Pesticide Drift in Suburbanizing Agricultural Areas." Invited Colloquium, Department of Geography, University of Texas-Austin, April 1994.

26. Tiefenbacher, John P. "The Historical Development and Evidence of a Pesticide Drift Hazard: An Invisible and Changing Geography." Invited Colloquium Lecture, Department of Geography and Planning, Southwest Texas State University, June 1993.

27. Tiefenbacher, John P. "Environmental Geography." Guest Lecture, Summer Institute for Teachers, Southwest Texas State University, July 1992.

28. Tiefenbacher, John P. "The Potential Exposure of Residential Populations to Pesticide Drift from Agricultural Operations." Invited Colloquium Lecture, Department of Geography and Planning, Southwest Texas State University, May 1992.

29. Tiefenbacher, John P. "The Potential Exposure of Residential Populations to Pesticide Drift from Agricultural Operations." Invited Colloquium Lecture, Department of Geography, University of California at Santa Barbara, May 1992.

30. Guest Speaker, Johnston High School, Austin, TX, March 1995. Guest Speaker, Morristown High School, Morristown, NJ, 1989.

Consultancies:

Consultant, Technical Auditor for U.S. Department of State, Reviewer of Two Funded Research Projects in Kazakhstan, Research and Auditing Coordinated by the International Science and Technology Center (ISTC), Moscow, Russia. Visited institutes in Aktau, Almaty, Alatau, and Kurchatov from June 18 to July 7, 2007. Reports submitted July 19, 2007.

Consultant, Technical Auditor for U.S. Department of State, Reviewer of Five Funded Research Projects in Russia and Tajikistan, Research and Auditing Coordinated by the International Science and Technology Center (ISTC), Moscow, Russia. Visited institutes in Moscow, Dushanbe, and Perm from July 18 to August 5, 2006. Reports submitted August 15, 2006.

Consultant, Technical Auditor for U.S. Department of State, Reviewer of Four Funded Research Projects in Ukraine and Georgia, Research and Auditing Coordinated by the Science and Technology Center of Ukraine (STCU), Kyiv, Ukraine. Visited institutes in Kyiv, and Dnipropetrovsk, Ukraine and Tblisi, Georgia from October 4 to October 20, 2005. Reports submitted October 30, 2005.

Consultant, Technical Auditor for U.S. Department of State, Reviewer of Four Funded Research Projects in Kazakhstan, Research and Auditing Coordinated by the International Science and Technology Center (ISTC), Moscow, Russia. Visited institutes in Stepnogorsk, Almaty, and Otar, Kazakhstan from June 19 to July 6, 2005. Reports submitted August 3, 2005.

Consultant, Estudio y desarrollo de metodologías para un plan de mitigación de riesgos y reducción de vulnerabilidad en la Zona Metropolitana de la Ciudad de México, ZMCM. PRIMERA ETAPA (Study and Development of Methodologies for a Risk Mitigation and Vulnerability Reduction Plan in the Metropolitan Area of Mexico City, Step One, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, 2005.

Technical Auditor for U.S. Department of State, Reviewer of Six Funded Research Projects in Ukraine, Research and Auditing Coordinated by the Science and Technology Center of Ukraine (STCU), Kyiv, Ukraine. Visited institutes in Kyiv, L'viv, and Chernivtsi, Ukraine from January 12 to January 29, 2004. Reports submitted February 10, 2004.

Consultant, Hurricane Vulnerability in Acapulco, Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, 2001.

Consultant, Freshwater Research and Policy Center of Southwest Texas State University, 1997- 2001.

Consultant, Texas Department of Health, Texas Natural Resources Conservation Commission, and Texas Department of Agriculture. Principal Investigator is Kate Hendricks of the Texas Department of Health. Project to examine the spatial relationships between environmental contamination and neural tube defect cases in the Lower Rio Grande Valley of Texas, 1996-1998.

Consultant, Our Lady of the Lake University. Proposal to the Office of Post-secondary Education, U.S. Department of Education's Minority Science Improvement Program. Principal Investigator is Grace Keyes of Department of Sociology. Entitled "Social Science Comprehensive Improvement Program," 1996-1998.

Consultant, Professional Prospects of Geography for Prospective College Students, Johnston High School, Austin, Texas, March 1995.

Summer Institute for Teachers, Southwest Texas State University, July 1992.

Geographic Concepts Workshop for Students, Morristown High School, Morristown, NJ, 1989.

Workshops:

Co-instructor for Workshop entitled "Integration of Research on Climate Change and Hazards in the Americas." PI is Patricia Solís of the Association of American Geographers. Workshop funded by the National Science Foundation, Pan American Advanced Study Institutes (PASI) program.
Panama City, Panama, June 14-25, 2010.

Other:

Grants and Contracts

Submitted External Grants and Contracts:

Faroughi, Salah A. Subasish Das, John P. Tiefenbacher, Keisuke Ikehata, Sangchul Hwang, Jean-Christophe Golaz. 2023. “cTX-CRC: Incorporating Uncertainty into Regional Projections to Enhance Climate Resiliency in Central Texas.” Biological and Environmental Research, Office of Science, Department of Energy. (To be submitted)

Funded External Grants and Contracts:

Faroughi, Salah A., PI, Jelena Tesic, Co-PI, and John P. Tiefenbacher (Co-PI). 2022. “ESMs Latent Space Exploration for Uncertainty Quantification and Spatiotemporal Downscaling.” DOE-BER - Research and Development Partnership Pilot (RDPP). Funded: $149,971.00.

Natural Hazards Research and Applications Information Center. 2003-04 (Renewed for 2004-05 and 2005-06). Quick Response Grant. “Low Water Crossings during Flood Events: Assessing the Attributes

of Problematic Flooded Small and Intermittent Stream Crossings During Deadly, Heavy- rainfall Events." Quick Response Program. Contingency grant approved for up to $3145.

Natural Hazards Research and Applications Information Center. 2000. Quick Response Grant. "Clarifying the "Near-Miss" Syndrome: Examining the Role of Proximity in Determining Awareness, Behavior, and Post-Disaster Response among Residents on the Periphery of a Tornado-Damage Path." Quick Response Program. Responded to Siren, WI tornado of June, 2001.

Natural Hazards Research and Applications Information Center. 1997-98 (Renewed for 1998-99). Quick Response Grant. "Place, Perception and Choice - A Disaster Reconstruction Model." Quick Response Program. 1997-1998. Responded to citrus freeze of December 20-28, 1998 that occurred in Fresno, Tulare, and Kern counties of California.

National Science Foundation. 1990. Doctoral Dissertation Research Grant. SES-9014705, Geography and Regional Science Program. 1990-1992. $3200.

Submitted, but not Funded, External Grants and Contracts:

Chow, Edwin, PI, M. Tsou, Co-PI, ZhiQiang Chen, Co-PI, Craig Knoblock, Co-PI, Yao-Yi Chiang, Gawron, Lakschmish Ramaswamy, John P. Tiefenbacher, and Yihong Yuan. National Science Foundation. 2015-2019 (Submitted December 2014 – not funded). Interdisciplinary Research in Hazards and Disaster (Hazard SEES). "A Space-Time Emergency Response System for Building Disaster Resilient Communities." Funding requested: $3,000,000.

Submitted Internal Grants and Contracts:

Funded Internal Grants and Contracts:

Faroughi, Salah A., PI, Dan Tamir, Co-PI, John P. Tiefenbacher, Co-PI, Zahra Sharif Khodaei, Co-PI, and Thomas Coleman (industry partner). 2022. "Big Data Compression, Reduction, and Intelligent Fusion for Technology-enhanced Infrastructures." Texas State University: Multidisciplinary Internal Research Grant (MIRG). Funded $30,000.

Texas State University. 2021 (Funded for 2022). Research Enhancement Grant: "Assessing Vulnerability to Disaster Due to Disability in a City in the Russian Arctic." Research Enhancement Program, January 2022-June 2023. $5597. Cancelled due to Russia's attack on Ukraine

Texas State University. 2004 (Funded for 2005). Research Enhancement Grant: "Geographic Assessment of Roadway Hazards at Water Crossings during Flash-Flood Events in Central Texas." Research Enhancement Program, January – December. $8000.

Southwest Texas State University. 1997. Research Enhancement Grant. "Mapping Recent Citrus Freeze Damage in the Lower Rio Grande Valley of Texas." Research Enhancement Program, January – August. $2300.

Submitted, but not Funded, Internal Grants and Contracts:

Texas State University. 2013. Research Enhancement Grant. ""A Historical Environmental Geography of Immigrants and In-migrants in the Degraded Environment of the Settlement Frontier of Southern Ashland County, Wisconsin, 1860 to 1900." Research Enhancement Program, January – December. $8000.

Fellowships, Awards, Honors:

Award: 2021. College of Liberal Arts Achievement Award for Excellence in Scholarly/Creative Activity.

Fellowship: 2019. Wilson Fellowship, Center for International Studies, Texas State University "Drivers of Changing Resource Supplies – Using Machine-learning Algorithms to Assess Past Environmental, Social, and Land Use Changes to Predict Future Groundwater Supplies in the Central Valleys of Oaxaca."

Fellowship: World Bank, 2003. Invited visiting specialist to Centro de Investicación en Geografía y Geomática (CentroGeo), Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, January 2003.

Fellowship: National Science Foundation. 1996. National Faculty Fellows Program. "Enabling the Next Generation of Hazards Researchers" Workshop and Mentoring Program. 1996-97.

Award: Outstanding Paper Award, "Bi-national Responses to Emergencies and Disasters: Cooperation between Mexico and the United States," TIEMS: The International Emergency Management Society Annual Conference, Prague, Czech Republic, June 2008.

Award: Third Place Award for Best Student Paper. Co-authored with Dena Konopka. "Representing Risk: A Geography of Toxic Air Emissions in Texas." Southwest Association of American Geographers Annual Meeting, Las Cruces, NM. October 1995.

Honor: Honorary Professor of International Studies, Texas State University-San Marcos, August 2011-August 2014.

Honor: Honorary Professor of International Studies, Texas State University-San Marcos, August 2008-August 2011.

SERVICE

Departmental:

Committee Member, Cartography and Visualization Search Committee, Department of Geography and Environmental Studies, Texas State University, Fall 2021-Spring 2022.

Representative, Texas State Family Campaign, Department of Geography, Texas State University, Spring 2021 – present.

Committee Member, Instructor Review Committee, Department of Geography, Texas State University, Fall 2018 – present.

Chair, Instructor Review Committee, Department of Geography, Texas State University, Fall 2020–present.

Committee Member, Recruitment and Communications Committee, Department of Geography, Texas State University, Fall 2020–Spring 2021.

Committee Member, Search Committee for Associate or Full Professor in Physical or Environmental Geography, Department of Geography, Texas State University, Fall 2019–Spring 2020.

Chair, Ad Hoc Committee for Travel-funding Policies, Department of Geography, Texas State University, Spring 2019.

Committee Member, Evaluation Committee, Department of Geography, Texas State University, Fall 2018–Spring 2019.

Committee Member, Search Committee for Associate or Full Professor in Geography Education, Department of Geography, Texas State University, Fall 2017-Spring 2018.

Committee Member, Geography Student Research Symposium, Department of Geography, Texas State University, Fall 2017-Spring 2018.

Committee Member, Colloquium Committee, Department of Geography, Texas State University, Fall 2016, Fall 2017-Spring 2018.

Committee Member, Teaching Assistant and Adjunct Mentoring and Review Committee, Fall 2012-2017.

Chair, Teaching Assistant and Adjunct Mentoring and Review Committee, Fall 2015- Spring 2016.

Committee Member, Graduate Committee, Department of Geography, Texas State University, Fall 2014-Spring 2016.

Chair, Search for Senior Lecturer position in Geology, Department of Geography, Texas State University, Fall 2014.

Chair, Scholarship and Awards Committee, Department of Geography, Texas State University-San Marcos, Fall 2005-Spring 2010, Fall 2011-Spring 2014.

Committee Member, Scholarship and Awards Committee, Department of Geography, Texas State University-San Marcos, Fall 2005-Spring 2010, Fall 2011-Spring 2014.

Director, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, Department of Geography, Texas State University-San Marcos, Fall 2010 – Spring 2012.

Chair, Search Committee for Water Resources position, Department of Geography, 2011-12.

Member of Annual Faculty Evaluation Subcommittee of the Personnel Committee of Department of Geography, 2009.

Member of Annual Faculty Evaluation Subcommittee of the Personnel Committee of Department of Geography, 2008.

Member of Annual Faculty Evaluation Subcommittee of the Personnel Committee of Department of Geography, 2007.

Member of Annual Faculty Evaluation Subcommittee of the Personnel Committee of Department of Geography, 2006.

Chair, Evaluation Committee, Department of Geography, Fall 2006-2009.

Committee Member, Evaluation Committee, Department of Geography, Texas State University-San Marcos, Fall 2006-2009.

Committee Member, Travel Committee, Department of Geography, Texas State University-San Marcos, Fall 2004-Fall 2006.

Committee Member, Colloquium Committee, Department of Geography, Texas State University- San Marcos, Fall 2004-Fall 2005.

Member, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, Department of Geography, Southwest Texas State University/Texas State University-San Marcos, Spring 1998-Spring 2005.

Committee Member and Chair, Colloquium Committee, Department of Geography, Texas State University-San Marcos, Fall 2002-Fall 2003.

Committee Member, Graduate Committee, Fall 1996-Fall 1998, Fall 2001-Fall 2003, Fall 2009 – Fall 2010.

Associate Director for Research and Publications, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, Department of Geography, Southwest Texas State University, December 2001-March 2003.

Committee Member, Faculty Search Committee (G.I. Science Position), Fall 2001-Spring 2002.

Committee Chair, Ad Hoc Committee for Research on Comparable Geography Programs, Fall 2000-Fall 2001.

Associate Director, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, Department of Geography, Southwest Texas State University, August 1999.

Committee Member, Faculty Search Committee (G.I.S. Position), Spring 1999. Committee Member, Equipment Committee, Fall 1997-Spring 2002.

Committee Member, Faculty Search Committee (Two Positions in Environmental Geography), Fall 1996-Spring 1997.

Committee Member, Chair's Advisory Committee, Fall 1996-Spring 2001.

Committee Member, Faculty Search Committee (Environmental Geographer), Spring 1996.

Committee Member, Faculty Search Committee (Nature and Heritage Tourism), Spring 1996.

Committee Member, Budget Committee, September 1994-Spring 1996.

Vice Chair and Committee Member, Graduate Program Committee, September 1994-May 1997. Committee Member, Ph.D. Committee, Fall 1993-May 1997.

University:

Committee Member, Research Enhancement Program, College of Liberal Arts, Texas State University, September 2014-August 2016, September 2022-August 2023.

Committee Member, Liberal Arts College Review Group, Texas State University, September 2013-August 2016.

Mentor, to Jaime Ruiz, ABD, University of Texas – El Paso, Pre-doctoral Fellowship Program, June-July 2013.

Faculty Advisor, Latino Students Association, September 2011 – May 2012.

Committee Member, Liberal Arts Study Abroad Council, Texas State University, April 2005-2011.

Department Representative to Research Enhancement Program Committee, Texas State University, August 2007-2009.

Committee Member, Liberal Arts College Review Group, Texas State University, September 2004-August 2007.

External Committee Member, Health Professions College Review Group, Texas State University, January 2005.

Associate Director, Center for Texas-Mexico Applied Research, Texas State University, August 1999-July 2004.

Committee Member, U.S. Ethnic Studies and Women's Studies Advisory Council, Southwest Texas State University, 1997-2001.

Chair, Ethnic Studies and Women's Studies Major Development, Data Collection Subcommittee, 1998-1999.

Committee Member, U.S. Ethnic Studies Minor, Southwest Texas State University, 1994-2001.

Course Criteria Subcommittee Member, U.S. Ethnic Studies Minor, Southwest Texas State University, 1997-2001.

Committee Member, Faculty Senate Environment Committee, Southwest Texas State University, September 1994-1995.

Professional:

Senior Editor of scholarly journal. *The Southwestern Geographer*. January 2014 – present.

Editor of scholarly journal. *The Southwestern Geographer*. June 1999 - December 2005.

Co-Founder and Co-editor of scholarly journal. *The Southwestern Geographer*. November 1996 – May 1999.

Editorial Board Member of scholarly journal. 2018. *Journal of Geographical Research*. September 2018-present.

Editorial Board Member of scholarly journal. 2017. *The Journal of Wine Research.* August 2017-present.

Editorial Board Member of scholarly journal. *Environmental Hazards*. October 1998 – present.

Editorial Board Member of scholarly journal. *Southwestern Geographer*. January 2006 – December 2013.

Editorial Advisory Committee Member of scholarly journal. 2018. *Environmental and Socio-economic Studies* January 2018-present.

Manuscript reviewer for scholarly journal. 2021. *International Journal of Geo-Information.*

Manuscript reviewer for scholarly journal. 2021. *Climate.*

Manuscript reviewer for scholarly journal. 2020. *International Journal of Disaster Risk Reduction*.

Manuscript reviewer for scholarly journal. 2020. *The Journal of Wine Research*.

Manuscript reviewer for scholarly journal. 2020. *Sustainability*.

Manuscript reviewer for scholarly journal. 2020. *Environmental Science and Policy*.

Manuscript reviewer for scholarly journal. 2020. *Open Journal of Earthquake Research*.

Manuscript reviewer for scholarly journal. 2020. *Natural Hazards*.

Manuscript reviewer for scholarly journal. 2020. *Environmental Hazards*. 2 manuscripts.

Manuscript reviewer for scholarly journal. 2020. *Environmental Science and Engineering*.

Manuscript reviewer for scholarly journal. 2020. *Water*.

Reviewer of textbook proposal. 2020. *Air Quality, Science and Policy* by Tracey Holloway and Hiram Levy II. Cambridge University Press.

Manuscript reviewer for scholarly journal. 2020. *International Journal of Environmental Research and Public Health*. 2 manuscripts.

Manuscript reviewer for scholarly journal. 2020. *Science of the Total Environment*. 3 manuscripts.

Manuscript reviewer for scholarly journal. 2020. *Climate*.

Manuscript reviewer for scholarly journal. 2019. *ISPRS International Journal of Geo-Information.*

Manuscript reviewer for scholarly journal. 2019. *Air Quality, Atmosphere, and Health*.

Manuscript reviewer for scholarly journal. 2019. *Sustainability.* 3 manuscripts.

Manuscript reviewer for scholarly journal. 2019. *Mitigation and Adaptation Strategies for Global Change.*

Book proposal reviewer. 2018. *Geography of Russia and Its Neighbors* by Mikhail S. Blinnikov, review for second edition.

Manuscript reviewer for scholarly journal. 2018. *Mitigation and Adaptation Strategies for Global Change.*

Manuscript reviewer for scholarly journal. 2018. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2018. *Weather, Climate, and Society*.

Manuscript reviewer for scholarly journal. 2017. *Mitigation and Adaptation Strategies for Global Change*.

Manuscript reviewer for scholarly journal. 2017. *Journal of Planning Education and Research.*

Manuscript reviewer for scholarly journal. 2016. *Environmental Hazards.*

Manuscript reviewer for scholarly journal. 2016. *The Journal of Wine Research.*

Manuscript reviewer for scholarly journal. 2016. *Climate Policy*.

Manuscript reviewer for scholarly journal. 2016. *Southeastern Geographer*.

Manuscript reviewer for scholarly journal. 2016. *International Journal of Disaster Risk Reduction*.

Manuscript reviewer for scholarly journal. 2015. *Weather, Climate and Society*.

Manuscript reviewer for scholarly journal. 2014. *Scientific Journals International*.

Manuscript reviewer for scholarly journal. 2014. *Transactions in GIS*.

Manuscript reviewer for scholarly journal. 2013. *Social Science Quarterly*.

Manuscript reviewer for scholarly journal. 2013. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2013. *International Journal of Disaster Risk Reduction*.

Manuscript reviewer for scholarly journal. 2013. *Applied Geography*.

Book proposal reviewer. 2013. *Environmental Hazards: The Basics*. Routledge: Oxon, UK.

Manuscript reviewer for scholarly journal. 2013. *Climatic Change*.

Manuscript reviewer for scholarly journal. 2012. *Environmental Hazards*.

Grant proposal reviewer. 2012. National Science Foundation, BCS – Geography and Spatial Sciences Program.

Manuscript reviewer for scholarly journal. 2012. *Environment and Planning C: Government and Policy*.

Manuscript reviewer for scholarly journal. 2012. *Scientific Journals International*.

Grant proposal reviewer. 2011. National Science Foundation, BCS – Geography and Spatial Sciences Program.

Session Chair. 2011. “Dynamics of Economic Spaces” International Geographical Union 2011 Regional Geography Conference, Santiago Chile, November 15.

Book proposal reviewer for university press. 2011. Oxford University Press.

Book proposal reviewer (of 2 proposals) for academic press. 2011. John Wiley & Sons.

Manuscript reviewer for scholarly journal. 2011. *Journal of Historical Geography*.

Manuscript reviewer for scholarly journal. 2011. *Growth and Change*.

Manuscript reviewer for scholarly journal. 2011. *Journal of Environmental Management*.

Manuscript reviewer for scholarly journal. 2011. *Scientific Journals International*.

Official Observer for the Association of American Geographers at the United Nations’ Committee of the Parties to the Kyoto Protocol for Climate Change Meeting (COP 16) in Cancun, Mexico, November-December, 2010.

Manuscript reviewer for scholarly journal. 2010. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2010. *Environment and Planning C: Government and Policy*.

Manuscript reviewer for scholarly journal. 2010. *Scientific Journals International*.

Expert reviewer. 2010 and 2011. International Panel on Climate Change (IPCC), Expert Review Draft of the Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX).

Manuscript reviewer for scholarly journal. 2010. *Journal of Geography and Geographic Information Science*. 2 unrelated manuscripts.

Book manuscript reviewer for textbook publisher. 2010. Jones & Bartlett Learning.

Manuscript reviewer for scholarly journal. 2010. *Journal of Environmental Management*.

Grant proposal reviewer. 2010. MIT Sea Grant Program.

Manuscript reviewer for scholarly journal. 2010. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2010. *International Review of Comparative Sociology*.

Manuscript reviewer for scholarly journal. 2010. *Social Science Quarterly*.

Past-president, Southwest Division of the Association of American Geographers (SWAAG), 2007-2009.

Book proposal reviewer for academic press. 2009. Earthscan Publications.

Book manuscript reviewer for university press. 2009. University Presses of Florida.

Manuscript reviewer for scholarly journal. 2009. *Climate Change*.

Manuscript reviewer for scholarly journal. 2009. *Environmental Hazards* (Earthscan).

Manuscript reviewer for scholarly journal. 2009. *Journal of Floodplain Engineering*.

Grant proposal reviewer. 2008. Periship Dissertation Fellowship in Hazards, Risk, and Disasters.

Judge, Gilbert F. White Award. 2008. Hazards Specialty Group of the Association of American Geographers.

Manuscript reviewer for scholarly journal. 2008. *Applied Geography*.

Manuscript reviewer for scholarly journal. 2008. *Natural Hazards*.

Lead Organizer, Southwest Division of the Association of American Geographers (SWAAG) Annual Meeting 2008. Meeting to be held in San Marcos, TX, October 23-25, 2008.

President, Southwest Division of the Association of American Geographers (SWAAG), 2005-2007.

Session Chair, "Hazards and Emergency Response: GIScience Research and Application" Association of American Geographers' Annual Meeting, San Francisco, CA, April 2007.

Manuscript reviewer for scholarly journal. 2007. *The Southwestern Geographer*.

Manuscript reviewer for scholarly journal. 2007. *Geojournal*.

External Reviewer, Promotion and Tenure of Deborah Thomas, University of Colorado at Denver, November 2006.

Session Chair, "Emergency and Environmental Risk Assessment/La evaluación de los riesgos ambientales y de emergencias", Linnea Terrarum Conference, El Paso/Ciudad Juarez/Las Cruces, March 2006.

Manuscript reviewer for scholarly journal. 2006. *Geographical Bulletin*.

Manuscript reviewer for scholarly journal. 2006. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2006. *Environmental Management*.

Research Proposal Reviewer. 2006. National Science Foundation.

Session Chair, "Hazards IV" Applied Geography Conference, Washington, DC, November 2005.

Secretary, Southwest Division of the Association of American Geographers (SWAAG), 2003-2005.

Session Chair, "Disaster Management: Risk Perception, Transportation Issues, and GIS Analysis" Association of American Geographers' Annual Meeting, Denver, CO, April 2005.

Manuscript reviewer for scholarly journal. 2005. *The Professional Geographer*.

Manuscript reviewer for scholarly journal. 2005. *Environmental Management*.

Manuscript reviewer for scholarly journal. 2005. *Water, Soil, and Air Pollution: Focus*.

Manuscript reviewer for scholarly journal. 2005. *Environmental Pollution*.

Manuscript reviewer for scholarly journal. 2004. *The Professional Geographer*. Second manuscript.

Manuscript reviewer for scholarly journal. 2004. *The Professional Geographer*. First manuscript.

Manuscript reviewer for scholarly proceedings volume. 2004. *Proceedings of the Applied Geography Conference*.

Manuscript reviewer for scholarly journal. 2004. *Risk Analysis*.

Textbook review for publisher. 2004. *Environmental Science*, Cunningham, et al., 7th edition. McGraw-Hill.

Treasurer, Southwest Division of the Association of American Geographers (SWAAG), 2001-2003.

Chair, Hazards Specialty Group of the Association of American Geographers, 2001-2003.

Manuscript reviewer for scholarly journal. 2003. *The Professional Geographer*.

Manuscript reviewer for scholarly journal. 2003. *Environmental Hazards*. 2nd manuscript.

Manuscript reviewer for scholarly journal. 2003. *Environmental Hazards*. 1st manuscript.

Session Chair, "Hazards: Animals and Toxics" Association of American Geographers' Annual Meeting, Los Angeles, CA, March 2002.

Panelist, United States Environmental Protection Agency Office of Solid Waste/Office of Emergency and Remedial Response Hispanic Outreach Initiative Expert Panel, 2001-2002.

Manuscript reviewer for scholarly journal. 2002. *Political Geography*.

Manuscript reviewer for scholarly journal. 2002. *Urban Geography*.

Manuscript reviewer for scholarly journal. 2002. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 2001. *Urban Geography*.

Manuscript reviewer for scholarly journal. 2001. *The Journal of Borderlands Studies*.

Book Proposal Reviewer. 2001. *Hazards, Disasters and Risk*. Blackwell Publishers.

Research Proposal Reviewer. 2001. The Center for Disaster Management and Humanitarian Assistance. (2 proposals)

Textbook reviewer for publisher. 2001. *The Environmental Policy Paradox*. Prentice Hall.

Textbook reviewer for publisher. 2001. *Environmental Management in the United States*. Rowman & Littlefield.

Session Chair, “Floods, Straight-up, and On the Rocks.” Association of American Geographers’ Annual Meeting, New York, NY, February 2001.

Research Proposal Reviewer. 2000. U.S. Civilian Research and Development Foundation & Science and Technology Institute of Ukraine, Department of State.

Research Proposal Reviewer. 2000. National Science Foundation, Geography and Regional Science Program.

Manuscript reviewer for scholarly journal. 2000. *Risk Analysis*.

Manuscript reviewer for scholarly journal. 2000. *Southeastern Geographer*.

Manuscript reviewer for scholarly journal. 2000. *Urban Geography*. (2 unrelated manuscripts)

Judge, Gilbert F. White Awards for Hazards Specialty Group of the Association of American Geographers, 2000.

Session Chair, "Natural Disasters" Association of American Geographers’ Annual Meeting, Pittsburgh, PA, April 2000.

Session Recorder, "Comparing Community Responses to Hurricanes Georges and Andrew in Miami-Dade and Monroe Counties" 24th Annual Boulder Workshop on Hazards Research and Applications - Research Roundup, Boulder, CO, July 1999.

Session Chair, "Agriculture and Ecology in the U.S.-Mexico Borderlands" Association of Borderlands Studies, Fort Worth, TX, April 1999.

Student Awards Evaluation Committee, Southwest Division of the Association of American Geographers' (SWAAG) Annual Meeting, Baton Rouge, LA, October 1998.

Editor of National Newsletter. Hazards: Newsletter of the Hazards Specialty Group of the Association of American Geographers. April 1995 - April 1998.

Research Proposal Reviewer. 1998. National Science Foundation, Geography and Regional Science Program.

Manuscript reviewer for scholarly journal. 1998. *Environmental Hazards*.

Manuscript reviewer for scholarly journal. 1998. *The Journal of Geography*.

Local Arrangements and Program Chair. Hazards Specialty Group of the Association of American Geographers Pre-Conference Meeting, Galveston, TX, March 1997.

Manuscript reviewer for scholarly journal. 1997. *Applied Geographic Studies*.

New journal proposal reviewer for Routledge Press. 1997. Proposed journal title: *Managing the Environment: Theory and Practice*.

Manuscript reviewer for scholarly journal. 1995. *Gender, Place, and Culture: A Journal of Feminist Geography*.

Photographer, Central Texas Geo-Bowl, San Marcos, TX, April 1996.

Photographer, Central Texas Geo-Bowl, San Marcos, TX, April 1995.

Examiner, Judge, Photographer, Central Texas Geo-Bowl, San Marcos, TX, May 1994.

Session Chair, "Natural and Technological Hazards" Association of American Geographers' Annual Meeting, San Francisco, CA, April 1994.

Session Chair, "Case Studies in the Use of GIS for Hazard Analysis and Management" Association of American Geographers' Annual Meeting, Atlanta, GA, April 1993.

Member, The Environmental Mediation Workgroup, Center for Negotiation and Conflict Resolution, Rutgers University, 1988-1992.

President, Rutgers Association of Geography Students, Rutgers University, 1990-1991.

Treasurer, Rutgers Association of Geography Students, Rutgers University, 1988-1990.

Geography Department Representative, Graduate Student Association, Rutgers University, 1988-1989.

Co-organizer, Second Regional Graduate Student Conference, Piscataway, NJ, 1989.

Assistant to Dr. Briavel Holcomb, New Jersey Summer Institute for Geographic Education, sponsored by the National Geographic Society, 1988.

President, Gamma Theta Upsilon, Carroll College, 1983-1984. Vice President, Carroll College Geographical Society, 1983-1984.

Organizations

Honorary Memberships:

Gamma Theta Upsilon, Geography Honor Society – 1983-1984
Phi Alpha Theta, History Honor Society – 1982-1984

Professional Memberships:

Services Honors and Awards:

Award: Presidential Award for Excellence in Service finalist, College of Liberal Arts, February 2008.