

Esra Ozdenerol
Professor, Department of Earth Sciences
CURRICULUM VITAE

DEGREES

DEGREE	DISCIPLINE	INSTITUTION	YEAR
Ph. D.	Geography	Louisiana State University	2000
M.L.A.	Landscape Architecture	Louisiana State University	1996
M.C.R.P.	City and Regional Planning	Middle East Technical University	1994
B.S. with Honors	Agricultural Engineering	University of Ankara	1993

EXPERIENCE

RANK/POSITION	DEPARTMENT/DIVISION	INSTITUTION/COMPANY/ORGANIZATION	PERIOD
GIS Coordinator of Sponsored Internships Corporate Inquiries	Earth Sciences/Geography	University of Memphis	2019-
Director, GIS Workshop Series	Earth Sciences/Geography	University of Memphis	2017-
Professor	Earth Sciences/Geography	University of Memphis	2016-
Associate Director	Benjamin L. Hooks Institute	University of Memphis	2011-2013
President	MAGIC Board of Directors	Memphis Area Geographic Information Council	2010-2013
Adjunct Associate Professor	Environmental Studies	Arkansas State University	2010-
Adjunct Associate Professor	Preventive Medicine	University of Tennessee Health Sciences	2010-
Adjunct Associate Professor	Health Outcome Policy	University of Tennessee Health Sciences	2010-
Associate Professor	Earth Sciences/Geography	University of Memphis	2009-
Director of GIS Certificate	Earth Sciences/Geography	University of Memphis	2006-
Adjunct Assistant Professor	Preventive Medicine	University of Tennessee Health Sciences	2004-2009
Assistant Professor	Earth Sciences/Geography	University of Memphis	2003-2009
Assistant Professor	School of Architecture	Florida International University	2000-2003

HONORS/AWARDS

HONOR/AWARD	INSTITUTION/COMPANY/ORGANIZATION	YEAR
PI Millionaire Achievement	University of Memphis	2021
Dunavant Professor	College of Arts and Sciences	2020
Distinguished Faculty Award	Benjamin L. Hooks Institute for Social Change	2016
Smart City Research Fellow	FedEx Institute of Technology	2016
Travel Enrichment Award	College of Arts and Sciences	2016
Distinguished Keynote Speaker	London Refugee Week, Refugee Rehabilitation Center Open House	2013
Special Achievement in GIS	Memphis Area Geographic Information Council	2012
Prominent Overseas Scholar	Middle East Technical University	2011
Professional Development Assignment	College of Arts and Sciences, The University of Memphis	2011
Wings Across the Americas Award	United States Department of Agriculture, Chief of the U.S Forest Service	2008
Invitation to Committee on Human Welfare	National Research Council, The National Academy of Sciences	2008
Health Research Fellow	Office of the Vice Provost of Research, University of Memphis	2007
Best Data Integration Poster	Tennessee Geographic Information Council	2005
Technology Fellow	Advanced Learning Center, University of Memphis	2004
Young Scholar Award	University Consortium of Geographic Information Science	2003
Provost's Research Competition	Florida International University	2001
Nystrom Dissertation Award	Association of American Geographers	2000
Louisiana Chapter Merit Award	American Society of Landscape Architects	1998

TEACHING EXPERIENCE:

SUBJECT [Undergraduate (U), Graduate (G)]	INSTITUTION
ESCI 4535/6535 Modular GIS Online UM Global Course	UM, Earth Sciences, GIS Certificate Core Course for School of Public Health
ESCI 7613 GIS and Human Health [(G)] Both face-to-face laboratory based and Online Course	UM, Earth Sciences, GIS Certificate Core Course for School of Public Health
ESCI/PLAN 4515-6515 Geographic Information Science [(U) and (G)] Both face-to-face laboratory based and Online UofM Global Course	UM, Earth Sciences, GIS Certificate City and Regional Planning Graduate Program
ESCI /PLAN 4525-6525 Advance GIS [(U) and (G)] Both face-to-face laboratory based and Online UofM Global Course	UM, Earth Sciences, GIS Certificate City and Regional Planning Graduate Program
ESCI 7504/8504 GIS Seminar (G) Both face-to-face laboratory based and Online UofM Global Course	UM, Earth Sciences, GIS Certificate
ESCI 4535-6535 Modular GIS Online UofM Global Course	UM, Earth Sciences, GIS Certificate
ESCI 7998 Capstone GIS Project Course Online UofM Global Course	UM, Earth Sciences, GIS Certificate
ESCI 6700-4700 Earth Sciences Internship Sponsored Internship Coordinator	UM, Earth Sciences, UM Sponsored Internship Program
ESCI 1301 Survey of World Regions (U) Both face-to-face laboratory based and Online UofM Global Course	UM, Earth Sciences
ESCI 1401 Introduction to Cultural Geography (U)	UM, Earth Sciences
LAA 4993/5993 GIS Applications in Landscape Modeling [(U) and (G)]	Florida International University (FIU), School of Architecture and Environmental Studies
LAA 5521 Tropical Landscapes(G), LAA 6655 Regional Planning Studio (G), LAA 6654 Community Planning Studio (G)	FIU, School of Architecture and Environmental Studies

STUDENT ADVISING/MENTORING:

Students involved in scholarly (research, creative) activities directly supervised with countries of origin (committees chaired).

Graduates (number): Undergraduate 1, Masters 12, Doctoral 5, Postdoctoral 1

Current	Name	Year of graduation
Postdoctoral	Cristiano Ferrari, Brazil	2018
Doctoral	Rebecca Bingham, USA	2022
Doctoral	Ryan Hanson, USA	2020
Doctoral	Cem Akkus, Turkey	2016
Doctoral	Simon Fonji, Cameroon	2014
Doctoral	Sudip Chatterjee, India	2008
Masters	Ashtan Rodgers, USA	2022
Masters	Aileen Brigid Lennon, USA	2022
Masters	Berkay Tok, Turkey	2021
Masters	William Gordy, USA	2021-
Masters	Robert Brimhall, USA	2021
Masters	Kevin Bingham, USA	2018
Masters	Thaddeus Grace, USA	2012
Masters	Rodney Quarles, USA	2011
Masters	Elzbieta Bialkowska, Poland	2006
Masters	Sylvia Bialas-Feibelman, Poland	2006
Masters	Jennifer Joyce Baldy, USA	2005
Masters	Ozgur Ozbek, Turkey	2005
Undergraduate	Jacob Sebold, USA	2019

Number of committee memberships (other than those chaired):**Masters** 12 , **Doctoral** 10

Degree	Name	Year of graduation (anticipated)
Doctoral	Ehsan Momeni, Department of Earth Sciences (DES), Geography	2021
Doctoral	Allison Pickover, Psychology, University of Memphis	2016
Doctoral	Thomas Depriest, DES-Geography, University of Memphis	2018
Doctoral	Molly Height, Department of Egyptology, University of Memphis	2016
Doctoral	Laura Perry, Department of History, University of Memphis	2016
Doctoral	Jill Nault, University of Tennessee Health Science Center	2015
Doctoral	William Devore, DES-Archeology, University of Memphis	2013
Masters	April Nellum, School of Public Health, University of Memphis	2015
Masters	Jennifer Marshal, DES-Geography, University of Memphis	2015
Masters	Yingnan Li, DES-Geography, University of Memphis	2015
Masters	Rebecca Bingham, Biology, University of Memphis	2015
Masters	Bobby Porter, DES-Geography, University of Memphis	2014
Masters	Meghan Foard, Dept. of Environmental Sciences, Arkansas State University	2014
Masters	Edward Zahed, Biology, University of Memphis	2014
Masters	Robin Bloodworth, School of Public Health, University of Memphis	2012
Masters	David Wolcott, Biology, University of Memphis	2011
Doctoral	Lawrence Brown, University of Tennessee Health Science Center	2010
Doctoral	Marry Jodi Morris, Department of Heritage Studies, Arkansas State University	2009
Doctoral	Shelly Brown, Nursing, University of Tennessee Health Science Center	2009
Masters	Rebecca Almond, Geography, University of Memphis	2009
Masters	Steve Malone, DES-Geology, University of Memphis	2009
Masters	Andrew Sanderson, DES-Geography, University of Memphis	2009

Graduate Certificate in GIS**I advise GIS Certificate students on their curriculum and Capstone GIS Projects.**

Degree	Name	Year of graduation
GIS Certificate	Gulnaz Sarram, Civil Engineering	2020
GIS Certificate	Rebecca Butler, Biology	2019
GIS Certificate	Rebecca Bingham, DES, Geography	2019
GIS Certificate	Cheryl Clause, Shelby County Health Department, Vector Control	2019
GIS Certificate	Arabella Bauer, Art History, Egyptology	2019
GIS Certificate	Lainey Goodin, DES, Geography	2019
GIS Certificate	Rachel Elizabeth Starks, Anthropology	2019
GIS Certificate	Dr. Jim Rhudy, UT Health Science Center	2019
GIS Certificate	Sam Jordan, Civil Engineering	2019
GIS Certificate	Smith Spenser, DES, Geology	2018
GIS Certificate	Taylor Weathers, DES, Geology	2018
GIS Certificate	Audrey Coleen Eason, DES, geology	2018
GIS Certificate	Michelle Field, DES, Geography	2018
GIS Certificate	Peter Hart, Criminal Justice	2018
GIS Certificate	Kayla Rachel Toohy, Criminal Justice	2018
GIS Certificate	Atsuhito Saito, Criminal Justice	2018
GIS Certificate	Miguel Rocha, Criminal Justice	2018
GIS Certificate	Karli Lynn Province, Criminal Justice	2018
GIS Certificate	Dennis Bowland West, DES, Geography	2017
GIS Certificate	Mark Mandel, Criminal Justice, University of Memphis	2016

GIS Certificate	Andrew Murphy, DES, Geology	2016
GIS Certificate	Celia Anderson, School of Public Health	2016
GIS Certificate	Amy Trimm, Shelby County Health Department, Vector Control	2016
GIS Certificate	Jennifer Marshall, DES, Geography	2016
GIS Certificate	Kyle Watkins, DES, Geography	2016
GIS Certificate	Britany Pope, School of Public Health	2016
GIS Certificate	Brian Crooks, School of Public Health	2016
GIS Certificate	Dr. Catherine Philips, History	2016
GIS Certificate	Dr. Erika Bullock, Education	2016
GIS Certificate	Deveshree Nayak, Computer Science, MLGW	2016
GIS Certificate	Lynda R. Miller, Biology, Christian Brothers University	2016
GIS Certificate	Barbara Stevenson, MBA, Fogelman Business College	2016
GIS Certificate	April Nellum, School of Public Health	2015
GIS Certificate	John Menz, Biology, Rhodes College	2015
GIS Certificate	Allison Lang, Biology, Rhodes College	2015
GIS Certificate	Ellie Mclean, MBA, Fogelman Business College	2015
GIS Certificate	Robin Price, Art History and Egyptology	2015
GIS Certificate	Dustin Peasle, Egyptology	2014
GIS Certificate	Maria Culp, MLGW	2014
GIS Certificate	Lauren Cantwell, School of Public Health	2014
GIS Certificate	Kole Bradley-Anthropology	2013
GIS Certificate	Amanda Brock, DES, Archeology	2013
GIS Certificate	Emin Kuscu, UT Health Science Center	2013
GIS Certificate	Terry Skeleton, Criminal Justice	2013
GIS Certificate	Bobby Porter, DES, Geography	2013
GIS certificate	Karen Connolly, Anthropology	2013
GIS certificate	Gayle Ozanne, Anthropology	2013
GIS certificate	Edward Zahed, Biology	2012
GIS certificate	Harrison Witt, DES, Geology	2012
GIS certificate	Teresa Bell, Health Outcomes Policy, UT Health Science Center	2012
GIS certificate	Anthony Grow, Biology	2012
GIS certificate	Hisham Gnedy, Civil Engineering	2012
GIS certificate	Ashley Miller, Preventive Medicine, UT Health Science Center	2011
GIS certificate	Robert Brimhall, DES, Geography	2011
GIS certificate	Cem Akkus, DES, Geography	2011
GIS certificate	Rebecca Almond, DES, Geography	2011
GIS certificate	William Devore, DES, Archeology	2011
GIS certificate	Aaron Cregger, Anthropology	2010
GIS certificate	Lindsay Barrios, DES, Geography	2010
GIS Certificate	Eric Goddard, DES, Archeology	2010
GIS Certificate	Patrick Mwangi, Civil Engineering	2010
GIS Certificate	Jian Chen, DES, Geography	2008
GIS Certificate	Esther Sykes, City and Regional Planning	2007
GIS Certificate	Sylwia Feibelman, DES, Geography	2006
GIS Certificate	Ezbieta Bialkowska Jelinska, DES, Geography	2006

RESEARCH/SCHOLARSHIP/CREATIVE ACTIVITIES

Books (authored, edited)

Ozdenerol, E. (2023) Forthcoming. *GIS's role in Covid 19 Management and Control*. CRC Press. Taylor & Francis Group.

Ozdenerol, E. (2020) *Gender Inequalities: GIS Approaches to Gender Analysis*. CRC Press: Taylor & Francis Group.
<https://doi.org/10.1201/9780429196584>

Ozdenerol, E. (2016). *Spatial Health Inequalities: Adapting GIS tools and Data Analysis*. CRC Press: Taylor & Francis Group. ISBN 9781498701501.
<https://www.crcpress.com/Spatial-Health-Inequalities-Adapting-GIS-Tools-and-Data-Analysis/Ozdenerol/p/book/9781498701501>

Peer Reviewed Refereed Publications (*indicates mentored student author)

Ozdenerol, E.; *Seboly, J. The Effects of Lifestyle on COVID-19 Vaccine Hesitancy in the United States: An Analysis of Market Segmentation. *Int. J. Environ. Res. Public Health* **2022**, *19*, 7732. <https://doi.org/10.3390/ijerph19137732>

*McCarthy G, *Shore S, **Ozdenerol E**, Stewart A, Shaban-Nejad A, Schwartz DL. History Repeating-How Pandemics Collide with Health Disparities in the United States. *J Racial Ethn Health Disparities*. 2022 May 20:1–11. doi: 10.1007/s40615-022-01331-5. Epub ahead of print. PMID: 35595916; PMCID: PMC9122254.

Ozdenerol E, *Bingham-Byrne RM, Seboly JD. The Effects of Lifestyle on the Risk of Lyme Disease in the United States: Evaluation of Market Segmentation Systems in Prevention and Control Strategies. *Int J Environ Res Public Health*. 2021 Dec 7;18(24):12883. doi: 10.3390/ijerph182412883. PMID: 34948494; PMCID: PMC8702151.

Ozdenerol, E.; *Seboly, J. Lifestyle Effects on the Risk of Transmission of COVID-19 in the United States: Evaluation of Market Segmentation Systems. *Int. J. Environ. Res. Public Health* **2021**, *18*, 4826. <https://doi.org/10.3390/ijerph18094826>

Brakefield, W.S., Ammar, N., Olusanya, O., **Ozdenerol, E.**, Thomas, F., Stewart, A.J., Johnson, K.C., Davis, R.L., Schwartz D.L. and Shaban-Nejad, A. (2020). Implementing an Urban Public Health Observatory for (Near) Real-Time Surveillance for the COVID-19 Pandemic. *Integrated Citizen Centered Digital Health and Social Care*. A Varri et al. (Eds). The European Federation for Medical Informatics (EFMI) and IOS Press.

Brakefield A, Ammar N, **Ozdenerol E**, Stewart A, Thomas F, Johnson K, Schwartz D, Arash Shaban-Nejad. An Urban Public Health Observatory for (Near) Real-time Surveillance for the COVID-19 Pandemic. *Integrated Citizen Centered Digital Health and Social Care*, A. Värri et al. (Eds.), doi:10.3233/SHTI200687, 2020.

Wakefield D, Carnell M, Jiang B, Dove A, Garner W, Edmonston D, Hubler A, **Ozdenerol E**, Hanson R, Chun S, Spencer S, Pisu M, Martin M, Punglia R, Schwartz D. Location as Destiny: Geospatial Disparities in Radiotherapy Treatment Interruption. *Int J Radiat Oncol Biol Phys*, 107(4):815-826, 2020.

Ozdenerol, E., Sharpe, A., Magnotti, M., Croce, H., and Fischer, P. (2019) *Location, Location, Location: Utilizing NBATS-2 in Trauma System Planning*. *Journal of Trauma and Acute Care Surgery* JT-D-18-08896.

*Huang, Y., **Ozdenerol, E.**, Sunderman, M. (2018). *The Value of Greenways: Memphis Shelby Farms Greenline as a Case Study*. *Journal of Housing Research* JHR-D-17-00020R1.

*Bell, T. M., Wang, J., Nolly, R., **Ozdenerol, E.**, Relyea, G., & Zarzaur, B. L. (2015). *Predictors of functional limitation trajectories after injury in a nationally representative US older adult population*. *Annals of Epidemiology*, 25(12), 894-900.
<http://www.ncbi.nlm.nih.gov/pubmed/26481503>

Ozdenerol, E. (2015). *GIS and Remote Sensing Use in the Exploration of Lyme Disease Epidemiology*. *International Journal of Environmental Research and Public Health*, 12(12), 15182-15203. <http://www.mdpi.com/1660-4601/12/12/14971/htm>

*Akkus, C. and **Ozdenerol, E.** (2015). *Part IV: Lead exposure*, in Hassan, A. ed., *Everyday Environmental Toxins: Children's Exposure Risks*. Apple Academic Press. <https://www.crcpress.com/Everyday-Environmental-Toxins-Childrens-Exposure-Risks/Hassan/p/book/9781771881012>

Ozdenerol, E., *Huang, Y., Javadnejad, F., and Antipova, A. (2015). *The Impact of Traffic Noise on Housing Values*. *Journal of Real Estate Practice and Education*, Vol:2, pp35-54. <http://aresjournals.org/doi/abs/10.5555/1521-4842.18.1.35>

*Akkus, C., & **Ozdenerol, E.** (2014). *Exploring Childhood Lead exposure through GIS: A Review of the Recent Literature*. International journal of environmental research and public health, 11(6), 6314-6334. <http://www.ncbi.nlm.nih.gov/pubmed/24945189>

Ozdenerol, E., Taff, G.N., *Akkus, C. (2013). *Exploring the Spatio-Temporal Dynamics of Reservoir Hosts, Vectors, and Human Hosts of West Nile Virus: A Review of the Recent Literature*. International journal of environmental research and public health, 10, 5399-5432. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3863852/>

Antipova, A., and **Ozdenerol, E.** (2013). *Examining the Aerotopolis: Using Longitudinal Employer Dynamics (LED) data for the analysis of jobs and workforce by race, gender, and earning in Memphis, Tennessee*. Applied Geography 42 2013. 48-62.

*Wolcott, D.M., Grow, A.C., Houston, A.E., Goudie C.A., **Ozdenerol, E.**, Carver B.D., Miller L.R., Simco B.A., Kennedy M. L. (2012). *Checklist of Medium and Large mammals at Shelby Farms Park, Memphis, Tennessee*. Journal of the Tennessee Academy of Science. 87(2):99-104

Ozdenerol, E., *Bialkowska-Jelinska E., Taff, G.N., (2008) *Locating suitable habitats for West Nile Virus-infected mosquitoes through association of environmental characteristics with infected mosquito locations: a case study in Shelby County, Tennessee*. International Journal of Health Geographics 7:12 <https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-7-12>

Stanca, C.M., Babar, J., Singal, V., **Ozdenerol, E.**, Odin, A.J., (2008) *Pathogenic role of environmental toxins in immune-mediated liver diseases*. Journal of Immunotoxicology 5:1, 59-68

Taff, G.N., Müller, D., Kuemmerle, T., **Ozdenerol, E.**, Walsh, S.J. (2008) *Reforestation and Afforestation in Eastern Europe.*, in H. Nagendra and J. Southworth. eds., Reforesting Landscapes: Linking Pattern and Process: Springer Landscape Series.

Hamel, P., **Ozdenerol, E.** (2008) *Using the spatial filtering process to evaluate the nonbreeding range of rusty blackbird Euphagus Carolinus*. Refereed Proceedings of the Fourth International Partners in Flight Conference: Tundra to Tropics 334-340.

Williams, B., Pennock-Román, M., Suen, H.K., and Magsumbol, M. and **Ozdenerol, E.**, (2006) *Assessing the impact of the local environment on birth outcomes: A case for HLM*. Journal of Exposure Analysis and Environmental Epidemiology 16(9), 1-13

Ozdenerol, E., (2006) A Review of “*Statistical Methods for Spatial Data Analysis*” by Oliver Schabenberger and Carol A. Gotway. Chapman & Hall/CRC Press, Boca Raton, FL. 488 pages. Journal of the Urban and Regional Information Systems Association, 18(2):57-58

Ozdenerol, E., Williams, B., *Kang, S., Magsumbol, M., (2005) *Comparison of spatial scan statistic and spatial filtering in estimating low birth weight clusters*. International Journal of Health Geographics 4:19 <https://ij-healthgeographics.biomedcentral.com/articles/10.1186/1476-072X-4-19>

Musacchio, L., **Ozdenerol, E.**, Bryant, M., Evans, T., (2005) *Changing landscapes, changing disciplines: seeking to understand interdisciplinary in landscape ecological change research*. Landscape and Urban Planning 73:326-338

Ozdenerol, E., and Lam, N.S-N., (2004) “*Detecting spatial clusters of cancer mortality in East Baton Rouge Parish, Louisiana*”, in Warf B., Janelle D., and Hansen K. eds., World Minds: Geographical Perspectives on 100 Problems Kluwer Academic Publishers, California, 75-79

Ozdenerol, E., and Artunc, S., (1997) “*Toward understanding psychological barriers in “barrier-free” campus design. Building towards diversity, 119-127*” Council of Educators in Landscape Architecture Annual Meeting, Refereed Conference Proceedings. University of North Carolina Press. Chapel Hill, North Carolina.

Non-refereed Publications

Ozdenerol, E., Linske, M. A., Bingham, R. (2019). Vaccine Deployment Strategies and Control of Lyme Borreliosis using a Rodent-Targeted Vaccine in an Integrated Pest Management (IPM) Framework. Final Report in conjunction with US Biologic, Inc., and the Northeast Regional Center for Excellence in Vector-Borne Diseases Research

Ozdenerol, E., and Huang, Y. (2015). *The Impact of Greenway Accessibility to Property Values*. Final Report. The Appraisers Research Foundation.

Ozdenerol, E. and Moritz, A. (2013) *Interactive-GIS as complementary tool to neighborhood organizing and community building: A Look at the Communities of Shalom’s Innovative Approach*. Final Report. Strengthening Communities Grant, University of Memphis.

Ozdenerol, E., Antipova, A. (2012). *Compatibility of Freight Transportation Facilities and Land Use in Major Intermodal Cargo Hubs: Memphis Aerotropolis as a Case Study*. Final Report. Center for Intermodal Freight Studies, University of Memphis. http://www.memphis.edu/ifti/pdfs/cifts_compatibility_freight_transportation_land_use.pdf

Goudie, C., Houston, A., **Ozdenerol, E.,** Kennedy, M., Simco, B.A. (2011). *Shelby Farms Natural Resources Management Plan*. Mapping and Analysis Sections of the Final Report. Shelby Farms Conservancy.

Goudie, C., Houston, A., **Ozdenerol, E.,** Kennedy, M., Simco, B.A. (2010) *An Assessment of Forested habitat at Shelby Farms Park, Memphis, Shelby County, Tennessee*. Mapping and Analysis Sections of the Final Report. Tennessee Department of Agriculture Division of Forestry.

Goudie, C., **Ozdenerol, E.,** Houston, A., Kennedy, M., Simco, B.A. (2010). *Shelby Farms Park Biological Inventory Report*. Mapping and Analysis Sections of the Final Report. Shelby Farms Conservancy.

Ozdenerol, E., (2009) *An Assessment of the Health Status of Mississippi Delta Region. Electronic Maps*. Final Report. Delta Regional Authority.

Ozdenerol, E., (2006) *Biologic Epidemics of Tennessee*. Final Report. Tennessee Emergency Management Agency.

Ozdenerol, E., (2006) *Spatial Analysis of Memphis Hospitals Emergency Department Discharge Data*. Digital Maps. University of Tennessee Health Science Center.

Ozdenerol, E., Malluzzi, L., Wang, F., Davis, S., (2004) *Tornado Hazards in Tennessee, an Analysis of Storm Events*. Final Report. Tennessee Emergency Management Agency.

Ozdenerol, E., Lane, C., Richardson, B., and Noe, G., (2003) *Predicting Reference Communities for Landscape Scale Restoration*. Final Report. Minnesota Department of Natural Resources.

Murray, N., **Ozdenerol, E.,** Zhao, F., Fu, J., Zyscovich, B., (2002) *FEC Corridor Strategic Redevelopment Plan*. Final Plan. City of Miami, Miami-Dade Empowerment Trust and the U.S. Department of Commerce.

Ozdenerol, E., Aquino, L., Feoli, G.A., (2002). *FEC Corridor Strategic Redevelopment Plan: Streetscape Open space and Recreation Assessment*. Final Report. City of Miami.

Ozdenerol, E. (2000). A spatial inquiry of infant low birth weight and cancer mortality in East Baton Rouge Parish, Louisiana. Dissertation. Louisiana State University.

Interactive mapping websites and applications

Gender Inequalities and Covid-19 dashboard:

<https://cpgis.maps.arcgis.com/apps/opsdashboard/index.html#/f4000bb07cfc4ba4989fa72e1d056b6c>

Mapping Civil Rights History. <http://mappingcivilrights.net/>

Real Places in your neighborhood. An information and decision making tool for neighborhoods of Memphis and Shelby County, Tennessee. <http://www.arcgis.com/home/item.html?id=a99661e0925944518d7fdb5c550d6d4e>

Print Media

Daily Memphian Article on local Covid-19 efforts:

<https://dailymemphian.com/article/14184/uthsc-coronavirus-health-department-mississippi-arkansas>

Memphis Civil Rights Map Broadens History's Reach by Bill Dries. Memphis Daily News. April 6, 2015.

<https://www.memphisdailynews.com/news/2015/apr/6/memphis-civil-rights-map-broadens-historys-reach/print>

Innovative new websites chronicle area civil rights history by Anna Mullins. High Ground. February 24, 2015.

<http://www.highgroundnews.com/innovationnews/benhookswebsites.aspx>

Tent City and GIS Website Launch Trailer.

https://www.youtube.com/watch?v=vcn7cAoca4E&list=PLcEKoc6TtUCK7A9UWq7dpsmv_1FAxdAHo&index=6

Ozdenerol, E. (2012) Hooked on Making a Difference: Who we are. Faculty interview on a short film. By Benjamin L. Hooks Institute for Social Change.

https://www.youtube.com/watch?v=y_86yslppMs&list=PLcEKoc6TtUCK7A9UWq7dpsmv_1FAxdAHo&index=5

Here's some food for thought: U of M class tackles hunger. Update, the newsletter for the University of Memphis. By Sara Hoover

December 2009.

Is it all those chemicals? -- Memphis's high incidence of low birth weight has a detective on the case. The Commercial Appeal. By Aimee Edmondson May 2005.

Invited Presentations

Ozdenerol E. (2021). GIS's role in Covid 19 management and Control. Data Science Conference. University of Memphis. March 15, 2021.

Ozdenerol, E. (2019). Drone Image Processing applications. Mid-South Geographic Information Council Conference. Memphis. November 15, 2019.

Ozdenerol, E. (2018). Spatial Health Inequalities. Cognitive Science Seminar. Institute of Intelligent Systems. FedEx Institute of Technology. University of Memphis. October 3, 2018.

Ozdenerol, E. (2018). A New Recycling Perspective with GIS. Smart Cities Cluster. FedEx Institute of Technology. University of Memphis. April 21, 2018.

Ozdenerol, E. (2015). *Let's squeeze lime on Lyme disease.* Memphis Sierra Club. Benjamin L. Hooks Library. Memphis, TN.

Ozdenerol, E. (2014). "*Building Academic Bridges between Kultur University and University of Memphis*". Istanbul, Turkey, January 3, 2014.

Ozdenerol, E., and A. Antipova. (2013). Compatibility of Freight Transportation and Land Use in Memphis Aerotropolis. Presented at the Intermodal Freight and Transportation Institute, University of Memphis, March 2, 2013.

Ozdenerol, E. (2013). "*Helping Refugee Life through Maps*". Key note speech for UK's refugee week at Refuge Therapy Center, London, UK, June 16, 2013.

Ozdenerol, E. (2012). "*Determining the optimal spatial scale to detect privet using WorldView-2 data*". Arkansas State University Department of Environmental Sciences Lecture Series, February 13, 2012.

Ozdenerol, E. (2010) "*Civil Rights Movement: Mapping History*" Presented at the memorial tribute to the late Dr. Benjamin L. Hooks Institute for Social Change. University of Memphis, September 14, 2010

Ozdenerol, E., (2008) "*A Geographer's View of Turkey*" Presented at the Memphis Chapter, Tennessee Geographic Alliance: Teacher Professional Development Program. Teaching and Learning Academy, Memphis, Tennessee.

Ozdenerol, E., (2008) Invited to receive *the Wings Across the Americas International Partnership Award* for 2007 from the Chief of the US Forest Service at the North American Wildlife and Natural Resources Conference. Phoenix, Arizona.

Ozdenerol, E., (2007) "*Local Geographic Information Systems applications to Public Health*" at the Public Health Academic Practice Bridges meeting to facilitate the partnership between the University of Memphis Public Health Program and the Memphis and Shelby County Health Department. University of Memphis. Memphis, Tennessee.

Ozdenerol, E., (2006) "*Graduate Certificate in Geographic Information Systems*" Campus Host Program for Non-Traditional Graduate Programs: Certificates & Online Programs, Graduate School, University of Memphis. Memphis, Tennessee.

Ozdenerol, E., (2006) "*Examples of projects supported by Geographic Information Systems*" Presented at the School of Urban Affairs and Public Policy, New Faculty Group Meeting, University of Memphis. Memphis, Tennessee.

Ozdenerol, E., (2006) Invited/funded participant to "*The Contributions of Remote Sensing for Decisions about Human Welfare*" workshop sponsored by the National Academy of Sciences, Washington D.C.

Ozdenerol, E., (2005) Invited/funded participant to the conference "*La Reinita Cerúlea: Evaluación de su distribución en Sur América*" sponsored by U.S. Nature Conservancy and U.S. Forest Service. Quito, Ecuador.

Ozdenerol, E., Williams, B. (2004) "*Spatial characteristics of child mortality and low birth weight in Shelby County, Tennessee*" Shelby County Child Death Review Team. Memphis, Tennessee.

Ozdenerol, E. (2001). Invited/funded participant to "*Landscape Change*" workshop sponsored by the National Center for Geographic Information and Analysis, National Science Foundation and the Environmental Systems Research Institute. University of California. Santa Barbara, California.

Refereed Abstracts, Paper Presentations and Symposia

Wakefield D.V. and **Ozdenerol E.**, Carnell M., Dove A.P., DeLavega E., Pisu M., Martin M.Y., Schwartz D.L. Socioeconomic & Geographic Predictors for Radiotherapy Quality Disparities in the Mid-Southern U.S. (2018) AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. New Orleans, LA.

Wakefield D.V. and **Ozdenerol E.**, Carnell M., Dove A.P., Edmonston D., Garner W., Hanson R., Chun S., Spencer S., Pisu M., Martin M.Y., Schwartz D.L. Location as Destiny: Mapping Radiotherapy Interruption in the Mid Southern United States. (2018) AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. New Orleans, LA.

Huang, Y., **Ozdenerol, E.**, Sunderman M.A. The Value of Greenways: Memphis Shelby Farms Greenline as a Case Study. Journal of Housing Research. Memphis Area Geographic Information Council Conference November 1, 2018.

Huang, Y., **Ozdenerol, E.**, Spahr, R.W., Sunderman M.A. The Geospatial Impact of Crime on Neighborhood Housing Values. Financial Management Association (FMA) annual conference, October, 2015, Orlando, FL, American Real Estate Society (ARES), April, 2015, Fort Myers, FL, Southern Finance Association (SFA), November, 2015, Captiva Island, FL

Ying Huang, **Ozdenerol, E.**, Sunderman, M. A., Spahr, R.W. The Impact of Default and Foreclosure on Apartment Rental Rates. American Real Estate Society Meeting, Coronado, California. March 9, 2014.

Huang, Y., **Ozdenerol, E.**, Sunderman, M.A., Spahr, R.W. (2016). *The Impact of Default and Foreclosure on Housing Values. Winner of the best manuscript in the Real Estate Valuation sponsored by the Appraisal Institute (AI), American Real Estate Society (ARES)*, April, 2014, Coronado Island, San Diego, CA.

Factor, S.H., Jawad B, Vineet S., Jorge A, Vivek K., Stanca, C., **Ozdenerol, E.** and Odin, J. (2014). *Elevated airborne ozone and sulfur dioxide levels are associated with an increased prevalence of Nafld cirrhosis*. In Hepatology, vol. 54, pp. 1175.

Ozdenerol, E., Antipova, A. (2013). Examining the Aerotopolis: Using Longitudinal Employer Dynamics (LED) data for the analysis of jobs and workforce by race, gender, and earning in Memphis, Tennessee. American Association of Geographers Meeting, Los Angeles, Ca. 2013.

Ozdenerol, E. (2012) *Civil Rights Movement: Mapping History through Interactive Maps. Using Geography's Toolkit: New Directions in Humanities Scholarship*. Association of American geographers. Seattle Washington

Antipova, A. and **Ozdenerol, E.** (2012) "New Approaches to Transportation and Economic Development" *Using Longitudinal Employer Dynamics (LED) Data in GIS for the Analysis of Employment Centers and Workforce Structure in Memphis, Tennessee*. MAGIC Annual GIS Day Conference. November 15-16, 2012.

Akkus, C. and **Ozdenerol, E.** (2012) *Spatial Analysis of Children's Blood Lead levels in Shelby County, Tennessee: A Case Study*. Association of American Geographers Annual Meeting. New York, NY.

Odin, J., Jorge, A. **Ozdenerol, E.** (2011) *Elevated airborne ozone and sulfur dioxide levels are associated with an increased prevalence of NAFLD cirrhosis*. American Association of Study of Liver Diseases Meeting. San Francisco, California.

Odin, J., Jorge, A. **Ozdenerol, E.** (2010) *Ozone Exposure May Be a Risk Factor for Progression of Liver Disease*. American Association of Study of Liver Diseases Meeting. Boston, Massachusetts.

Odin, J., Jorge, A. **Ozdenerol, E.** (2010) *Air Pollutants Are Associated with Progression of Liver Disease*. American Association of Study of Liver Diseases Meeting. Boston, Massachusetts.

*Chatterjee, S., **Ozdenerol, E.**, Taff, G.N., (2008) "*Does air pollution or crime play any significant role on infant mortality in Shelby County? A multilevel study*". Presented at the annual meeting of the Association of American Geographers. Boston, Massachusetts.

*Chatterjee, S., **Ozdenerol, E.**, (2008) "*The association of infant mortality with domestic violence and household income in Shelby County Tennessee*" Presented at the annual meeting of the Society for Applied Anthropology, Memphis, Tennessee

Kmet, J., Shen, D., Crawford, J., **Ozdenerol, E.**, (2007) "*Investigating social and environmental predictors of human cases of West Nile Virus*" Presented at the annual meeting of the American Public Health Association. Washington, D.C.

Hamel, P.B. and **Ozdenerol, E.**, (2007) "*Preliminary evaluation of dynamics of Rusty Blackbird nonbreeding range*" Presented at the Rusty Blackbird workshop. Stoneville, Mississippi.

Ozdenerol, E., Ward, J., Bialkowska, E., (2006) “*Identifying West Nile Virus risk areas in Shelby County, TN: GIS-based spatial filtering analysis*” Presented at the annual meeting of the Association of American Geographers. Chicago, Illinois.

Li, X., Kung, H., Bartholomew, J., **Ozdenerol, E.,** (2006) “*Applying genetic algorithms to the location allocation of shelter sites*”. Presented at the annual meeting of the Association of American Geographers. Chicago, Illinois.

Kung, H., **Ozdenerol, E.,** and Sohn, J., and Hutson, S.S., (2005) “*Status and trends in water use in the southeastern United States*” Presented at the Alabama Water Resources Conference. Orange Beach, Alabama.

Ozdenerol, E., and Chatterjee, S. (2005) “*Spatial analysis of low birth weight, Shelby County, Tennessee*” Poster presentation at the University Consortium for Geographic Information Science Summer Assembly. Jackson Hole, Wyoming.

Ozdenerol, E., (2005) “*Low birth weight and residential proximity to hazardous waste sites, Shelby County, Tennessee*” Presented at the annual meeting of the Association of American Geographers. Denver, Colorado.

*Baldy, J., **Ozdenerol, E.,** Urbano, L., Hamel, P.B., Kung, H., (2005) “*Climate preferences of the Cerulean Warbler*”. Presented at the annual meeting of the Association of American Geographers. Denver, Colorado.

*Baldy, J., **Ozdenerol, E.,** Urbano, L., Hamel, P.B., Kung, H., (2005) “*Climate preferences of the Cerulean Warbler using Geographic Information Systems*” Poster Presented at the annual meeting of the Tennessee Geographic Information Council. Nashville, Tennessee.

Ozdenerol, E., (2005) “*The winter habitat of Cerulean Warbler*” Presented at the annual Geographic Information Systems Day Conference. University of Memphis. Memphis, Tennessee.

Ozdenerol, E., (2004) “*Predicting reference communities for landscape scale restoration using Geographic Information Systems*” Presented at the annual meeting of the Association of American Geographers. Philadelphia, Pennsylvania.

Ozdenerol, E., (2004) “*Spatial and temporal patterns of infant low birth weight*”. Presented at the annual Geographic Information Systems Day Conference. University of Memphis. Memphis, Tennessee.

Ozdenerol, E., (2004) “*GIS and Public Health*”. Seminar presentation at the Center for Earthquake Research and Information. Memphis, Tennessee.

Ozdenerol, E., (2002) “*Cities of resilience: Integrating ecology into urban planning, design, policy, and management*” Presented at the annual meeting of the Association of Collegiate Schools of Planning. Baltimore, Maryland.

Ozdenerol, E., (2002) “*Spatial analysis of Melanoma in Florida*”. Poster presentation at the University Consortium for Geographic Information Science Summer Assembly. Athens, Georgia.

Ozdenerol, E., (2002) “*Spatial and temporal patterns of infant low birth weight in East Baton Rouge Parish, Louisiana*”. Presented at the annual meeting of the Association of American Geographers. Los Angeles, California.

Ozdenerol, E., (2001) “*Meeting at the Edge: Science, Policy, Landscape Architecture, and the Future: Defining a new partnership to study landscape change*” Panelist at the annual meeting of the Council of Educators in Landscape Architecture, St. Obispo, California.

Ozdenerol, E., (2001) “*Integration of non-spatial and spatial analytical methods: East Baton Rouge Parish infant low birth weight study*” Presented at the annual meeting of the Association of American Geographers. New York, New York.

Ozdenerol, E., (2000) “*Exploratory spatial analysis of low birth weight in East Baton Rouge Parish using Geographic Information Systems and cluster detection methods*” Association of American Geographers Nystrom Dissertation Award Finalist. Presented at the annual meeting of the Association of American Geographers. Pittsburgh, Pennsylvania.

Ozdenerol, E., (1999) “*Detection of low birth weight clusters in East Baton Rouge Parish, Louisiana*” Poster presentation at the University Consortium for Geographic Information Science Summer Assembly. University of Minnesota, St. Paul, Minnesota.

Ozdenerol, E., (1998) “*Tourist Gaze*”. Presented at the annual meeting of the Council of Educators in Landscape Architecture. Arlington, Texas.

Ozdenerol, E. and Artunc, S., (1997) “*Toward understanding psychological barriers in “barrier-free” campus design*. Presented at the annual meeting of the Council of Educators in Landscape Architecture. Asheville, North Carolina.

EXTERNAL RESEARCH SUPPORT

EXTERNAL GRANTS (Granted and under preparation)	ROLE	PERCENT EFFORT	FUNDING SOURCE	AMOUNT	PROJECT PERIOD
CORNET <i>Geographic Insights Collaborative between UTHSC and University of Memphis.</i>	Co-PI	100 %	UTHSC and UM	\$50,000	2020-2021
ADVANCE: Organizational Change for Gender Equity in STEM Academic Professions	PI	55%	The National Science Foundation	\$1,000,000	2020-2022
IChange Network Application Aspire’s IChange initiative	Co-PI	40%	The National Alliance for Inclusive & Diverse STEM Faculty	\$25,000	2020-2023
Improving Undergraduate STEM Education: Pathways into the Earth, Ocean, Polar and Atmospheric & Geospace Sciences (IUSE:GEOPATHs)	PI	45%	The National Science Foundation	1,000,000	2020-2022
Under Preparation: Clinical and Rehabilitative Medicine Research Program (CRM RP) Tick-borne diseases	PI	35%	Congressionally Directed Medical Research Programs Department of Defense	1,500,000	2020-2024
The Impact of Greenway Accessibility to Property Values	PI	100%	The Appraisers Research Foundation	\$7,500	2015
REAL Places Neighborhood Mapping	PI	100%	Community Development Council of Greater Memphis	\$11,250	2014-2015
Interactive-GIS as complementary tool to faith-based neighborhood organizing and community building	PI	100%	Strengthening Communities Grant -Community Foundation of Greater Memphis	\$18,000	2011-2012
Compatibility of Freight Transportation Facilities and Land Use in Major Intermodal Cargo Hubs: Memphis Aerotropolis	PI	100%	State of Tennessee, Department of Transportation	\$30,000	2011-2012
Shelby Farms Ecological Plan using Geographic Information Systems	Co-PI	50%	Field Operations, Inc. & Shelby Farms Conservancy	\$12,000	2009-2011
An Assessment of the Health Status of the Mississippi Delta	PI	100%	Delta Regional Authority	\$12,000	2009
Natural Hazard Mitigation Plan for the State of Tennessee	Co-PI	50%	Tennessee Emergency Management Agency	\$349,848	2004-2007
Spatial Analysis of Non-Urgent Emergency Department Use in Memphis	PI	100%	University of Tennessee Health Science Center Office of Community Outreach	\$25,000	2006-2007
“La Reinita Cerúlea: Evaluación de su distribución en Sur América” Travel Grant to Ecuador	PI	100%	U.S. Nature Conservancy	\$2,000	2005

INTERNAL RESEARCH SUPPORT

INTERNAL GRANTS	SOURCE	AMOUNT	PERIOD
Female world leaders at forefront of global pandemic fight	CAS Faculty Research Grant	\$11,000	2021-2022
GeoHealth Segment Locator	UofM, Office of Technology Transfer	\$12,000	2019-2020
UM Global Digital Campaign Matching Funds	UofM Global & Academic Innovation	\$2,500	2019-2020
UM Global Online GIS Certificate Program Course Development Funds	UofM Global & Academic Innovation	\$16,000	2019-2020
The Agriculture and Food Technologies Research Cluster “GIS Mapping and Multispectral Imaging Camera Drones in Urban Farming”	FedEx Institute of Technology	\$8,000	2019-2020
DRONES Research Cluster “GIS Mapping with Drones”	FedEx Institute of Technology	\$18,000	2018-2019
Smart Cities Research Cluster “A New Recycling Perspective with GIS”	FedEx Institute of Technology	\$3,000	2017-2018
Tri-state area: Compatibility of Freight Transportation Facilities and Land Use in Major Intermodal Cargo Hubs	Center for Intermodal Freight Institute, University of Memphis	\$40,000	Summer 2013
Interactive-GIS as complementary tool to faith-based neighborhood organizing and community building	Strengthening Communities Community Foundation of Greater Memphis	\$18,000	2011-2012
Travel Enrichment Award as a presenter at the Association of American Geographers Annual Meeting for 2012 in New York.	The Center for Academic Success, University of Memphis	\$1,200	2012
Interactive Mapping of Memphis Civil Rights Movement	Benjamin Hooks Institute, University of Memphis	\$5,000	2009-2011
Health Fellowship Program	Office of the Vice Provost for Research, University of Memphis	A course buy-out & \$1,000 stipend	2007-2008
Technology Fellowship Program	Provost’s Office and Advance Learning Center, University of Memphis	\$2,500 (Laptop)	2004-2005
Spatial Analysis of LBW in Shelby County	Faculty Research Grant Competition University of Memphis	\$6,000	2004-2005
GIS Day Organization	Public Service Funds, University of Memphis	\$1,000	2003
Course Development Grant	Institute of Asian Studies, FIU	\$3,000	2003
Spatial Analysis of Cancer in Florida	Faculty Research Grant Competition, FIU	\$5,500	2001-2002

GRANT ACTIVITY- PROPOSALS DENIED	SOURCE	AMOUNT Asked	PERIOD
TNC's impact on Urban Tennessee	Tennessee Department of Transportation	\$149,332	2018-2019
The Relationship between Early Childhood Blood Lead Levels (BLL) and Performance on the 3 rd -grade Tennessee Ready Reading and Math Scores	Urban Child Institute	\$250,000	2019-2020
Opioid Epidemic in Tennessee	College of Arts and Sciences FRG	\$15,000	2018-2019
A systematic approach to evaluate, validate and visualize the spatial uncertainty for childhood lead poisoning	National Institute of Health	\$487,000	2014-2015
Cloud-based LMRCC online data viewing and retrieval system	Lower Mississippi River Conservation Committee (LMRCC)	\$278,838	2013-2014
Health impact assessment for the Mid-South Greenprint and sustainability plan	The Mid-South Regional Greenprint Consortium	\$62,560.	2013-2014
Accessibility of Education and Employment Centers in Shelby County and surrounding Areas: Implications to Mid-South Regional Greenprint and Sustainability Plan	The Mid-South Regional Greenprint Consortium	\$48,834.	2013-2014
The role of children's geographies in education of citizens of Tennessee: a holistic approach	Tennessee Board of Regents	\$30,000	2013-2014

OUTREACH

PROJECT TITLE	PARTICIPANTS	SPONSORS (if any)	PERIOD
Drone Pilot Program Launch with University Schools	University Memphis Schools	University of Memphis Schools	2021-2022
Arc GIS Online School Competition State Team Lead on Earth Day	Shelby County Schools students and MLGW	MLGW	2019-2020
Drone Workforce Training on Drone Image Processing	Professionals (GIS and Aviation) and Shelby County Schools students and teachers and UofM students	FIT, University of Memphis	2019-
GIS Workshop Series, Director	GIS Professionals, Shelby County Schools students and teachers and UofM students	University of Memphis	2017-
GIS implementation to Children's Lead poisoning intervention policies at the Health Department	Shelby County Health Department	Shelby County Health Department	2009-2016
Earth Sciences Week and geocaching	Hutchison Middle School, 6 th graders	Hutchison Middle School	2015
Earth Sciences Week and geocaching	Hutchison Middle School, 6 th graders	Hutchison Middle School	2014
Real Places Fieldwork	Humes Preparatory Middle School, 6 th graders	Livable Memphis	2014
Real Places Fieldwork	Power Center Academy Seniors	Livable Memphis	2014
Real Places Fieldwork	Soulsville Charter School Seniors	Livable Memphis	2014
Earth Sciences Week and geocaching	Hutchison Middle School, 6 th graders	Hutchison Middle School	2013
Educational Technology Workshop: With an emphasis on geospatial technologies, spatial thinking and web-based lessons	Memphis City Schools Geography teachers	Tennessee Geography Alliance	Summer 2011

My Community, Our Earth: Geographic Learning for SustainableDevelopment	AAG, National Geographic Society, United Nations Environment Program, ESRI, US State Department, USDA, USAID, USGS, Inter-	American Association of Geographers	2008-2010
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	American Development Bank		
Shelby Farms Ecological Plan	Ecological Research Center	Shelby Farms Conservancy	2008
GPS surveying: Sidney Lanier Middle School Arboretum	Sidney Lanier Middle School students and teachers	Sidney Lanier Middle School, Shelby County	2005
The Shelby County Early Childhood Longitudinal Study	UT and Memphis Shelby County Health Department (MSCHD)	Urban Child Institute	2005-2014
Cancer Cluster of Cypress Creek	UT and MSCHD	Shelby County Health Department	2004
Memphis Defense Depot (MDD) Environmental Survey	MDD Neighborhood High School Students and Teachers	UM Department of Anthropology	2004-2005
West Nile Virus in Shelby County	Vector Control	Shelby County Health Department	2004-2008
UM-Geo World Geo Search Engine	Advanced Learning Center, U of Memphis	Technology Fellowship	2004-2005
Big Rivers Partnership (BRP)Restoration	Fairchild Tropical Garden, BRP, Minnesota Natural Resources	Fairchild Tropical Garden	2001-2003

Service

Departmental –Committees and other service assignments (Chair [C])

2019-	Earth Sciences Faculty Senator
2019-	Coordinator, Sponsored Internships and Corporate Inquiries, Earth Sciences
2013-	Learning Outcomes- GIS Certificate Only [C]
2013-2017	Learning Outcomes –DES [C]
2010	Assistant Professor Search Committee [C]
2009	Department Space Committee [C]
2008	Assistant Professor Search Committee [C]
2008	Associate Professor Search Committee
2007-2011	Undergraduate Advisor- B.A. in Geography
2007-2013	Undergraduate Curriculum Committees [C-Geography]
2007	Landforms Textbook and Lab Manual Customization Committee [C]
2006-	GIS Certificate Program Admission and Advisory Committee [C]
2006-	Founding Director of Graduate Certificate Program in GIS
2005	Remote Sensing Faculty Search Committee[C]
2004-	Advisor to Annual Tennessee Geographic Information Council Student Poster Competition
2004-	Advisor to Annual GIS Day Student Poster Competition
2004-	Advisor to Annual UCGIS Poster Competition
2004-	Director of Technology Access Fee (TAF) Teaching Laboratory Department of Earth Sciences, University of Memphis
2004-	Director of Spatial Analysis and Geographic Education Laboratory -233 Johnson Hall Department of Earth Sciences, University of Memphis
2003-	Spatial & Community Analysis Focus Group

College & University Committees

2022-	STRIDE Committee Lead
2022 -	Peer-to-Peer Mentoring Committee
2021-	Dual Career Task Force member
2020-	Anti-Racism Task Force, Work group 12, African American Doctoral Student Recruitment
2020-	Covid-19 International Student Scholarship Committee
2019-	The Academy for Faculty Development, Diversity, and Inclusion Proposal Committee [Co-Chair]
2019-	Faculty Code of Conduct and Shared Governance, Sub-Committee
2018-	Faculty Handbook, Chapter I Committee [C]
2016-	Faculty Senate Policies Committee
2016-	Faculty Senate Athletics Committee
2016-	Faculty Senate Representative
2016-	Public Safety Institute, Advisory Board Member
2016-	Non-profit Infrastructure Mapping Initiative, Interdisciplinary Team Collaborator, SUAPP
2016-	Transportation Data Research, Interdisciplinary Team Collaborator, SUAPP
2015 -	International Studies Faculty Affiliate
2013 -	Boren International Scholarship Committee
2012-	1 st Generation PhD Fellowship Selection Committee
2011-2013	Associate Director of Benjamin I. Hooks Institute
2011	Hooks Institute Faculty Advisory Board [C]
2008-	Ecological Research Center Faculty Affiliate
2008	Ecological Research Center Shelby Farms Task Force
2007	World Education Services Task Force
2006	Judge to 20 th Student Research Forum, Graduate School
2006-	GIS Certificate Admission and Advisory Committee [C]
2004-	School of Public Health Curriculum Committee
2004-	Environmental Studies Minor Steering Committee
2004-	Environmental Action Club Faculty Advisor

Professional Service

2019-	State Team Lead, ESRI partnership on Arc GIS Online National School Competition
2016-	Memphis Tilth Foundation Board Member
2010-2013	President, Memphis Area Geographic Information Council
2010-	West Tennessee representative to TN Geography Alliance

- 2007** Invited Reviewer to Southern Graduate Schools Best Masters Thesis Award
- 2006-07** Tennessee State Representative to South Eastern Geography Division of AAG (SEDAAG)
- 2006-2010** Status of Women Committee, SEDAAG [C]

Editorial and Editorial Board Member

- 2019** Editorial Board Member, Southeastern Geographer
- 2016** Lead Guest Editor, Special Issue on Spatial Health Inequalities on BioMed Central International.
- 2013-** Annals of Public Health and Research
- 2013-** International Journal of Environmental Research and Public Health
- 2013-** International Journal of Health Geographics

Journal and Grant Review

- 2019** National Science Foundation, ITEST (Innovative Technology Experiences for Students and Teachers) Program
- 2018** National Science Foundation, ADVANCE Program: Organizational Change for Gender Equity in STEM Professions
- 2014-** International Journal of Geographical Information Science
- 2014-** Annals of the American Association of Geographers
- 2013-** Annals of Public Health Research
- 2013-** International Journal of Environmental Research and Public Health
- 2012-** Journal of Ecology
- 2010-** Journal of Vector Ecology
- 2008-** Journal of Exposure Science and Environmental Epidemiology
- 2005-** International Journal of Health Geographics
- 2004-** Journal of Epidemiology and Community Health
- 2004-** Professional Geographer
- 2004-** Journal of Landscape and Urban Planning
- 2004-** Local Environment
- 2001-** National Science Foundation Geography and Regional Science Grant Program

Professional Association Memberships

- 2019-** Zoonhub (Animal-Borne Zoonotic Diseases) Academic Partner
- 2017-** Public/Private Tick IPM (Integrated Pest Management) Working Group, IPM Institute of North America
- 2016-** MidAmerica GIS Consortium
- 2015-** The Population-Environment Research Network
- 2012-** United States Geospatial Intelligence Foundation
- 2009-** Tennessee Geography Alliance
- 2004-** The Urban and Regional Information Systems Association
- 2004-** Memphis Area Geographic Information Council
- 2004-** Tennessee Geographic Information Council
- 2004-** Turkish-American Scientists Association
- 2003-** Association of American Geographers Health and Medical Geography Specialty Group

- 2003-** Association of American Geographers Remote Sensing Specialty Group
1998- Association of American Geographers Geographic Information Science and Systems Specialty Group

Consulting

- 2019-** UT Health Sciences Covid-19 Task Force
2019- 901 Drones
2019- UN Women, United Nations, Commission on the Status of Women
2018- World Resources Institute
2013- U.S. Biologic
2010- Tennessee Geography Alliance
2008- Shelby Farms Conservancy
2004- Tennessee State Department of Health, Nashville, Tennessee
2004- Memphis Shelby County Health Department
2002-2003 Zyscovich, Inc. Architectural Firm
2000-2003 Fairchild Tropical Garden, Miami
2000-2003 FIU Metropolitan Center

Languages

- Turkish, Native/bilingual proficiency
English, Full Professional proficiency
German, Limited working proficiency
Spanish, Limited working proficiency

