

BASAR OZBILEN, Ph.D.

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(Last updated in September 2023)

ACADEMIC EMPLOYMENT

University of California, Davis - Institute of Transportation Studies

Postdoctoral Researcher in 3 Revolutions Future Mobility Program

Supervisor: Dr. Giovanni Circella

Davis, CA

November 2022 - Present

EDUCATION

The Ohio State University (OSU)

Ph.D. in City and Regional Planning

Co-advisers: Dr. Gulsah Akar & Dr. Maria Manta Conroy

Ph.D. dissertation title: Planning for sustainability with a focus on mobility: Three essays on the operational tools of urban planning

Columbus, OH

2017 – 2022

Middle East Technical University (METU)

M.Sc. in City Planning

Ankara, Turkey

2013 – 2016

Middle East Technical University (METU)

B.C.P. in City and Regional Planning

Ankara, Turkey

2008 – 2013

RESEARCH INTERESTS

Transportation Planning, Emerging Technologies, Transportation and Health, Sustainable Development, Transportation Equity, Age-friendly Communities, Land-use Planning

PUBLICATIONS

Refereed Journal Articles

- **Ozbilen, B.** & Akar, G. (2023) “Designing pandemic resilient cities: Exploring the impacts of the built environment on infection risk perception and subjective well-being”, *Travel Behaviour and Society*, 30, 105-117. <https://doi.org/10.1016/j.tbs.2022.08.013>
- **Ozbilen, B.**, Akar, G., White, K., Dabelko-Schoeny, H., & Cao, Q. (2022) “Analysing the Travel Behaviour of Older Adults: What Are the Determinants of Sustainable Mobility?” *Ageing and Society*, 1-29. <https://doi.org/10.1017/S0144686X22001180>
- **Ozbilen, B.**, Slagle, K., & Akar, G. (2021). “Perceived risk of infection while traveling during the COVID-19 pandemic: Insights from Columbus, OH.” *Transportation Research Interdisciplinary Perspectives*, 10, 100326. <https://doi.org/10.1016/j.trip.2021.100326>
- **Ozbilen, B.**, Wang, K., & Akar, G. (2021). “Revisiting the Impacts of Virtual Mobility on Travel Behavior: An Exploration of Daily Travel Time Expenditures.” *Transportation Research Part A: Policy and Practice*, 145, 49-62. <https://doi.org/10.1016/j.tra.2021.01.002>

- Dabelko-Schoeny, H., Maleku, A., Cao, Q., White, K., & **Ozbilen, B.** (2021). “We want to go, but there are no options: Exploring barriers and facilitators of transportation among diverse older adults.” *Journal of Transport and Health*, 20, 100994. <https://doi.org/10.1016/j.jth.2020.100994>
- Wang, K. & **Ozbilen, B.** (2020). “Synergistic and threshold effects of telework and residential location choice on travel time allocation.” *Sustainable Cities and Society*, 63, 102468. <https://doi.org/10.1016/j.scs.2020.102468>

Book Reviews

- **Ozbilen, B.** & Akar, G. (2020). Review of “Beyond Mobility: Planning Cities for People and Places.” *Journal of Planning Education and Research*, 40(3), 348-349. <https://doi.org/10.1177/0739456X18806980>
- **Ozbilen, B.** (2018). Review of “Order and Disorder: Urban Governance and the Making of Middle Eastern Cities.” *Journal of Planning Literature*, 33(2), 171-172. <https://doi.org/10.1177/0885412218757729>

Working Papers

- **Ozbilen, B.** & Akar, G. “What factors affect e-scooter use and pro-e-scooter attitudes among travelers? Evidence from Columbus, Ohio”
- **Ozbilen, B.** & Akar, G. “How to measure sustainable development through indicators? Identifying key sustainability indicators for the common ground”
- Iogansen, X., **Ozbilen, B.**, & Circella, G. “Exploring the distinctions and similarities between new mobility service and public transport users: Insights from the Los Angeles region”
- Lecompte, M.C., Rossignol, L., **Ozbilen, B.**, Loukaitou-Sideris, A., & Circella, G. “Lessons Learned from Abroad: Possible Impacts of High-Speed Rail Stations in California”
- Jena, A., Kothawala, A., **Ozbilen, B.**, Wang, K., Lee, Y., Saridakis, C., Wadud, Z., Yang, Y., Grant-Muller, S., Castellanos, S., & Circella, G. “Unraveling E-Scooter Rider Types in the United States: A Latent Class Cluster Analysis”
- Kothawala, A., Haddad, A., **Ozbilen, B.**, Bhat, C.R., Circella, G., Saridakis, C., Wadud, Z., Yang, Y., Grant-Muller, S., & Castellanos, S. “Investigating Objective and Subjective Factors Influencing the Adoption, Frequency, and Characteristics of E-Scooter Trips”
- Yang, Y., Saridakis, C., Wadud, Z., Kothawala, A., Jena, A., **Ozbilen, B.**, Circella, G., Castellanos, S., & Grant-Muller, S. “Understanding Factors Influencing User Retention in EU Shared E-scooter Schemes”

RESEARCH EXPERIENCE

The University of California, Davis (UCD)

Davis, CA

Postdoctoral researcher, 3 Revolutions Future Mobility Program

November 2022 – Current

Program Director: Dr. Giovanni Circella

- Managing day-to-day progress of various research projects
- Advising students regarding manuscript writing and data analysis
- Leading the preparation of the project reports and scientific manuscripts

The Ohio State University (OSU)

Columbus, OH

Innovation Scholar, Age-Friendly Innovation Center (AFIC)

February 2020 – November 2022

- Assisting in the curation and analysis of quantitative and qualitative data
- Contributing to new journal manuscripts that aim to inform implementation projects for the city
- Guiding the AFIC team in the development of travel surveys

Graduate Research Associate

May 2020 – May 2021

Project title: Smart Columbus Impact Assessment

Co-PIs: Dr. Harvey Miller, Dr. Elena Irwin, Dr. Gulsah Akar, Dr. Jason Reece, Dr. Zhenhua Chen, Dr. Atar Herziger

- Assisting in the design and distribution of print and online surveys
- Curating and analyzing datasets
- Assisting in the design and preparation of the project reports and manuscripts

Graduate Research Associate

August 2018 – May 2020

Project title: Sustainable Columbus Observatory (SCO)

Co-PIs: Dr. Harvey Miller, Dr. Ningchuan Xiao, Dr. Gulsah Akar

- Reviewing the literature for the identification of the data to be collected for the observatory
- Analyzing the best cases to compare the local efforts with the global counterparts
- Developing a sustainability indicator framework including core indicators of sustainability

Middle East Technical University (METU)

Ankara, Turkey

Research Assistant

September 2014 – July 2017

Sustainable Campus Transportation Research Group

Supervisor: Dr. Hediye Tuydes-Yaman

- Assisting in the design and implementation of multiple campus transportation surveys
- Curating and analyzing datasets for future predictions and policymaking
- Contributing to the preparation of the reports and manuscripts

PRESENTATIONS IN PROFESSIONAL MEETINGS

- **Ozbilen, B. & Akar, G.** (2023, January). *What are the Factors Affecting E-scooter Use and Pro E-scooter attitudes among Travelers? Evidence from The Ohio State University Campus*. Presented at the Transportation Research Board (TRB) 102nd Annual Meeting, Washington, D.C.
- **Ozbilen, B. & Akar, G.** (2022, November). *Designing Pandemic Resilient Cities: Exploring the Impacts of the Built Environment on Infection Risk Perception and Subjective Well-Being*. Presented at the Association of Collegiate Schools of Planning (ACSP) 62nd Annual Congress, Toronto, Canada.
- **Ozbilen, B.** (2022, March). *Designing Pandemic Resilient Cities: Exploring the Impacts of the Built Environment on Infection Risk Perception and Subjective Well-Being*. Presented at the 36th Annual Edward F. Hayes Graduate Research Forum at The Ohio State University, Poster Presentation in Social and Behavioral Sciences Academic Area, Columbus, OH.
- **Ozbilen, B. & Akar, G.** (2022, January). *Exploring the COVID-19 infection risk perception while using non-motorized options and shared micromobility: An analysis of the impacts of environmental and psychological factors*. Presented at the Transportation Research Board (TRB) 101st Annual Meeting, Washington, D.C.
- **Ozbilen, B. & Akar, G.** (2021, October). *Exploring the Facilitators of E-Scooter Use: How Different Factors Affect Various Social Groups?* Presented at the Association of Collegiate Schools of Planning (ACSP) 61st Annual Congress, Virtual.

- **Ozbilen, B.** (2021, April). *What Are the Core Indicators of Sustainability? A Content Analysis of Existing Frameworks*. Presented at the 35th Annual Edward F. Hayes Graduate Research Forum at The Ohio State University, Oral Presentation in Engineering Academic Area, Virtual.
- **Ozbilen, B.**, Akar, G., White, K., Dabelko-Schoeny, H., & Cao, Q. (2020, November). *Analyzing Travel Behavior of Older Adults: What are the Determinants of Sustainable Mobility?*. Presented at the Association of Collegiate Schools of Planning (ACSP) 60th Annual Congress, Virtual.
- Cao, Q., Maleku, A., White, K., **Ozbilen, B.**, & Dabelko-Schoeny, H. (2020, November). *"We Want to Go, but There are No Options": Exploring Barriers and Facilitators of Transportation Among Diverse Older Adults*. Presented at the Gerontological Society of America (GSA) 2020 Annual Scientific Meeting, Virtual.
- **Ozbilen, B.** & Akar, G. (2019, October). *A Novel Approach to the Measurement of Sustainability through Sustainability Indicators: A Case Study of Columbus, OH*. Presented at the Association of Collegiate Schools of Planning (ACSP) 59th Annual Congress, Greenville, SC.
- Porr, A., Hurst, N., & **Ozbilen, B.** (2019, October). *So, you think you are sustainable? Prove it!* Presented at the Mid-Ohio Regional Planning Commission (MORPC)'s 2019 Summit on Sustainability, Columbus, OH.
- Akar, G., Irwin, E., Miller, H., **Ozbilen, B.**, Porr, A., & Xiao, N. (2019, January). *The Sustainable Columbus Observatory (SCO): Measuring community progress towards sustainability and resilience*. Presented at The Ohio State University's 2019 Community Engagement Conference, Columbus, OH.
- **Ozbilen, B.** (2017, October). *Restructuring Turkish Paratransit Operations: Public Transport System Integration in Ankara, Turkey*. Presented at the Association of Collegiate Schools of Planning (ACSP) 57th Annual Congress, Denver, CO.
- Uluc, A. & **Ozbilen, B.** (2017, July). *An Emphasis on the Pedestrian Accessibility Measures of Ankara City Center*. Presented at the Association of European Schools of Planning (AESOP) 30th Annual Congress, Lisbon, Portugal.
- **Ozbilen, B.** (2016, July). *Challenges of Integrating Dolmus, the Paratransit Mode in Turkey, Into the Existing Public Transport Network: The Cases of Ankara and Istanbul*. Presented at the IV World Planning Schools Congress (WPSC), Rio de Janeiro, Brazil.
- **Ozbilen, B.** (2015, December). *Integration of Paratransit Mode Dolmus into the Existing Transport Network: Ankara Example*. Presented at the TRANSIST 2015 8th International Symposium and Exhibition on Transportation Technologies (In Turkish) (pp. 649-660). Istanbul, Turkey.
- Kundakci, E., Karatas, P., Dalkic, G., **Ozbilen, B.**, & Tuydes-Yaman, H. (2015, December). *Sustainable Transportation and Campus Traffic Safety: METU Student View*. Presented at the Road and Traffic Safety Congress for Sustainable Transportation (In Turkish) (pp. 244-254). Ankara, Turkey.
- Dalkic, G., **Ozbilen, B.**, Karatas, P., Kundakci, E., & Tuydes-Yaman, H. (2015, November). *The Use of Bicycles on Campus for Sustainable Transportation: The Case of METU Campus*. Presented at the UCTEA CCE 7th Symposium on Urban Infrastructure (In Turkish) (pp. 529-538). Trabzon, Turkey.
- **Ozbilen, B.** (2015, February). *Public Transport Smart Card Systems in Turkish Cities: The Challenge of Paratransit*. Presented at the Sixteenth International Conference of Urban Transport (CODATU XVI), Istanbul, Turkey.
- **Ozbilen, B.** (2014, September). *Mobile Traveler Information Systems for Urban Transportation*. Presented at the Workshop on Intelligent Transportation Systems Applications in Urban Transportation, Ankara, Turkey.

- **Ozbilen, B.** (2014, July). *A Case Study on the Impacts of Urban Rail Systems on the Spatial Development; Ankara, Turkey Example*. Presented at the Association of European Schools of Planning (AESOP) 28th Annual Congress, Utrecht, Netherlands.
- **Ozbilen, B.** (2014, May). *Intelligent Transportation Systems Aided Mobile Traveler Information Systems for Public Transport*. Presented at the 1st National Congress and Exhibition on Intelligent Transportation Systems (In Turkish) (pp. 52-61). Istanbul, Turkey.

TEACHING AND MENTORING EXPERIENCE

Guest Lectures

- Georgia Institute of Technology – School of City and Regional Planning October 31, 2022
CP 8883: Special Topics: Transportation Decisions (Online) – Dr. Gulsah Akar
Presentation Title - Designing pandemic resilient cities: Exploring the impacts of the built environment on infection risk perception and subjective well-being
- The Ohio State University - School of Environment and Natural Resources March 10, 2021
RS 4500: Asset-Based Community Development (Online) – Dr. Joseph T. Campbell
Presentation Title - Sustainable Community Development: Urban Planning and Public Participation
- The Ohio State University - School of Environment and Natural Resources February 24, 2020
RS 4500: Asset-Based Community Development (In Class) – Dr. Joseph T. Campbell
Presentation Title - Community Planning to Achieve Sustainable Urban Development: Two Projects from Columbus, OH

The Ohio State University (OSU)

Columbus, OH

City and Regional Planning Mentoring Program

August 2021 – November 2022

Mentee: Rashad Alirhayim – 1st Year PhD Student

- Providing constructive support and feedback to the mentee regarding the Ph.D. journey
- Sharing personal knowledge about the resources at the university and in the local community
- Guiding the mentee on various topics such as scientific journal publishing, desired technical skills for urban planning doctoral students, and strategies for success in candidacy exam & proposal defense

Middle East Technical University (METU)

Ankara, Turkey

Teaching Assistant

November 2013 – July 2017

CRP 201-202-301-302 Planning and Design Studios (the medium of instruction in METU is English)

- Helping students develop the necessary skills to conduct comprehensive and in-depth analysis at regional and urban scales
- Providing formative feedback each week about the progress of term projects that are developed by student teams in response to real-world planning problems

Teaching Assistant

November 2013 – July 2017

CRP 351 Urban Transport Planning (the medium of instruction in METU is English)

- Assisting the instructors in the preparation and evaluation of assignments and term projects
- Instructing two lectures each term that focus on transportation in the developing world and best practices of sustainable transportation planning, respectively

INVITED TALKS

- Technical University of Munich – School of Engineering and Design January 9, 2023
Invited Speaker in the Seminar on International Urban Design Cases – Dr. Bahar Gedikli – Isabel Glogar
Title of the Talk: Approaches to overcome car-centric urbanism: Insights from Columbus, Ohio and Davis, California
- The Ohio State University – Translational Data Analytics Institute November 9, 2022
Invited Panelist in the 2022 Interdisciplinary Research Fall Forum co-hosted by Translational Data Analytics Institute and Sustainability Institute
Panel Topic: Potential of new technologies to rapidly decarbonize urban transportation

AWARDS AND HONORS

Presidential Fellowship , OSU Graduate School's most prestigious award	May 2022 – November 2022
2nd place in Social and Behavioral Sciences Poster Competition , OSU Hayes Forum	March 2022
Career Development Grant , OSU Council of Graduate Students	January 2022
Association of Collegiate Schools of Planning (ACSP) Student Travel Award	August 2021
Voss Scholarship Honorable Mention , OSU City and Regional Planning	March 2021
4th place in the 2020-2021 Three Minute Thesis University-wide Competition , OSU	February 2021
Graduate School Fellowship , OSU	August 2017-July 2018
The Thesis of the Year Award , METU	June 2017
Prof. Dr. Ilhan Tekeli Graduate Thesis Award , METU City and Regional Planning	May 2017
Course Performance Award in Master's in City Planning , METU	June 2015
Dean's High Honor List (GPA above 3.5/4.0) , METU	June 2013

TECHNICAL SKILLS

Statistical & Spatial Analysis: R, Stata, ArcGIS, GeoDa, Mplus, SPSS

Vector Drawing & Graphic Design: AutoCAD, Adobe Photoshop, CorelDRAW, SketchUp

SERVICE TO THE PROFESSION

Managing Editor, Journal of Planning Literature (JPL) (SSCI, IF: 4.5) May 2020 – May 2022

Editors-in-Chief: Dr. Gulsah Akar & Dr. Rachel Garshick Kleit

- Assisting the Editor-in-Chief and Associate Editors in the review process of submitted manuscripts
- Managing the day-to-day operations of submitted manuscripts
- Overseeing the production of the journal (4 issues annually)

Member of MORPC Regional Sustainability Agenda Sub-committee

April 2020 - April 2021

MORPC (Mid-Ohio Regional Planning Commission) is Central Ohio's regional planning council

- Providing consultation to MORPC in the preparation of 2021-2024 Regional Sustainability Agenda
- Assisting in the identification and revision of the regional sustainability indicators
- Preparing a guiding document that covers the best cases around the world and the local efforts

Journal/Conference Reviewer

Transportation Research Part A: Policy and Practice, Transportation, Travel Behaviour & Society, Journal of Planning Literature, Case Studies on Transport Policy, Transportation Planning and Technology, Transportation Research Interdisciplinary Perspectives, Transportation Research Record: Journal of the Transportation Research Board, Transportation Research Board Annual Meeting

PROFESSIONAL AFFILIATIONS

- Member of the American Planning Association (APA), USA
- Member of the Association of Collegiate Schools of Planning (ACSP), USA
- Member of the UCTEA Chamber of City Planners, Turkey

REFERENCES

Giovanni Circella, Ph.D.
Director, 3 Revolutions Future Mobility Program
Institute of Transportation Studies
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Department of Geography
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