

## BASAR OZBILEN, Ph.D.

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(Last updated in January 2023)

### ACADEMIC EMPLOYMENT

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**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

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**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

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

### PUBLICATIONS

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#### 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”
- **Ozbilen, B.**, Dabelko-Schoeny, H., White, K., & Fields, N. “Exploring the implications of the built environment on older adults' daily mobility during the COVID-19 pandemic”

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## RESEARCH EXPERIENCE

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### 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

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

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### JOURNAL EDITORSHIP

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Managing Editor, *Journal of Planning Literature (JPL)* (SSCI, IF: 5.361)

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)

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### PRESENTATIONS IN PROFESSIONAL MEETINGS

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- **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) 102<sup>nd</sup> 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) 62<sup>nd</sup> 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 36<sup>th</sup> 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) 101<sup>st</sup> 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) 61<sup>st</sup> Annual Congress, Virtual.
- **Ozbilen, B.** (2021, April). *What Are the Core Indicators of Sustainability? A Content Analysis of Existing Frameworks*. Presented at the 35<sup>th</sup> 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) 60<sup>th</sup> 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) 59<sup>th</sup> 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) 57<sup>th</sup> 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) 30<sup>th</sup> 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 8<sup>th</sup> 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 7<sup>th</sup> 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) 28<sup>th</sup> Annual Congress, Utrecht, Netherlands.
- **Ozbilen, B.** (2014, May). *Intelligent Transportation Systems Aided Mobile Traveler Information Systems for Public Transport*. Presented at the 1<sup>st</sup> National Congress and Exhibition on Intelligent Transportation Systems (In Turkish) (pp. 52-61). Istanbul, Turkey.

## TEACHING AND MENTORING EXPERIENCE

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### 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 – 1<sup>st</sup> 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
- Guiding students on potential career opportunities in their specialization or subfield in planning (e.g., transportation and infrastructure, housing, community participation, etc.)

#### 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

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## TECHNICAL SKILLS

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

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

## INVITED TALKS

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- 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

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

## COMMUNITY SERVICE

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**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

## PROFESSIONAL AFFILIATIONS

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- Member of the American Planning Association (APA), USA
- Member of the Association of Collegiate Schools of Planning (ACSP), USA

## REVIEW ACTIVITY

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- Transportation Research Part A: Policy and Practice
- Transportation
- 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

## REFERENCES

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Gulsah Akar, Ph.D.  
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School of City and Regional Planning  
Georgia Institute of Technology  
245 Fourth St NW  
Atlanta, GA, 30332-0155  
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Giovanni Circella, Ph.D.  
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Institute of Transportation Studies  
University of California, Davis  
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