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Education Information

Post Doctorate, European Scientific Institution, Macedonia 2021 - 2022

Post Doctorate, Koc University, Faculty Of Sciences-Human Sciences And Arts,
Department Of History (English) (Merit Scholarship), Turkey 2020 - 2020

Post Doctorate, Gebze Technical University, Faculty Of Engineering, Department Of
Geodesy And Photogrammetry Engineering, Turkey 2017 - 2020

Post Doctorate, European Commission Joint Research Centre, Sustainability Assessment
Unit, Italy 2012 - 2014

Doctorate, University College Dublin, Faculty of Social Sciences and Humanities,
Architecture, Planning and Environmental Policy, Ireland 2007 - 2012

Postgraduate, Middle East Technical University, Faculty Of Economic And Administrative
Sciences, Department Of Economics, Turkey 2000 - 2003

Undergraduate, Middle East Technical University, Faculty Of Architecture, Department Of
City And Regional Planning, Turkey 1996 - 2000

Biography

Eda Ustaoglu has a PhD in Planning and Public Policy from the School of Architecture, Planning and Environmental Policy, University College Dublin, and until 2015 she worked at the European Commission-Joint Research Centre-Ispra as a scientific officer. In the following periods, she worked as a post-doc researcher at the Department of Geomatics Engineering at Gebze Technical University and College of Social Sciences and Humanities at Koc University in Turkey. She is currently working as an Assistant Professor at the Department of Economics at Abdullah Gul University, Turkey. Over the past years, she has been involved in various projects, university studies and research activities in line with her graduate and post-graduate studies, which are directly related to the field of urban and environmental studies. Her research interests include urban economics, transport policy and planning, transport infrastructure appraisal, spatial economics and land use research.

Foreign Languages

English, C2 Mastery

Italian, B1 Intermediate

Dissertations

Doctorate, A Scenario-Based Impact Evaluation of Rapid Rail Infrastructure Investments on Urban Form and Development in the Greater Dublin Area, University College Dublin, Architecture, Planning and Environmental Policy, 2012

Postgraduate, HEDONIC PRICE ANALYSIS OF OFFICE RENTS: A CASE STUDY OF THE OFFICE MARKET IN ANKARA, Middle East Technical University, Faculty Of Economic And Administrative Sciences, Department Of Economics, 2003

Research Areas

Social Sciences and Humanities, Geography, Economics, Land Management, Geographic Information Systems

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Yönetim Bilimleri Fakültesi, Ekonomi, 2022 - Continues

Academic and Administrative Experience

Scientific Officer, European Commission Joint Research Centre, Sustainability Assessment Unit, Integrated Sustainability Assessment: Scenarios, Platform and Indicators, Action no.22009., 2012 - 2014

Courses

Undergraduate

Selected Topics in Microeconomics, Undergraduate, 2022 - 2023

Economics of Real Estate, Undergraduate, 2022 - 2023

Exploring Economics, Undergraduate, 2022 - 2023

Urban Economics, Undergraduate, 2022 - 2023

International Economics, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The interrelationships of Territorial Quality of Life with residential expansion and densification: A case study of the regions in EU member countries**
Ustaoglu E., Williams B.
Urban Science, vol.8, no.1, pp.22, 2024 (SCI-Expanded)
- II. **Institutional Settings and Effects on Agricultural Land Conversion: A Global and Spatial Analysis of European Regions**
USTAOĞLU E., Williams B.
Land, vol.12, no.1, 2023 (SSCI)
- III. **Assessment of Urban Quality of Life Index at Local Scale with Different Weighting Approaches**
Bovkir R., Ustaoglu E., Aydinoglu A. C.
SOCIAL INDICATORS RESEARCH, vol.165, no.2, pp.655-678, 2023 (SSCI)
- IV. **What Drives Residential Land Expansion and Densification? An Analysis of Growing and Shrinking Regions**
USTAOĞLU E., Jacobs-Crisioni C.
Land, vol.11, no.10, 2022 (SSCI)
- V. **Reconstruction of residential land cover and spatial analysis of population in bursa region (Turkey) in the mid-nineteenth century**

USTAOĞLU E., Kabadayı M. E.

Land, vol.10, no.10, 2021 (SSCI)

- VI. **Spatial distribution of GDP based on integrated NPS-VIIRS nighttime light and MODIS EVI data: a case study of Turkey**
USTAOĞLU E., Bovkır R., Aydinoglu A.
Environment, Development and Sustainability, vol.23, no.7, pp.10309-10343, 2021 (SCI-Expanded)
- VII. **The estimation of non-irrigated crop area and production using the regression analysis approach: A case study of Bursa Region (Turkey) in the mid-nineteenth century**
USTAOĞLU E., Kabadayı M. E., Gerrits P. J.
PLoS ONE, vol.16, no.4 April, 2021 (SCI-Expanded)
- VIII. **Suitability evaluation of urban construction land in Pendik district of Istanbul, Turkey**
Ustaoglu E., Aydinoglu A. C.
LAND USE POLICY, vol.99, 2020 (SSCI)
- IX. **Quantifying and modelling industrial and commercial land-use demand in France**
USTAOĞLU E., Batista e Silva F., Lavallo C.
Environment, Development and Sustainability, vol.22, no.1, pp.519-549, 2020 (SCI-Expanded)
- X. **Site suitability analysis for green space development of Pendik district (Turkey)**
USTAOĞLU E., Aydinoglu A.
Urban Forestry and Urban Greening, vol.47, 2020 (SCI-Expanded)
- XI. **Farmland abandonment in Europe: an overview of drivers, consequences, and assessment of the sustainability implications**
Ustaoglu E., Collier M. J.
ENVIRONMENTAL REVIEWS, vol.26, no.4, pp.396-416, 2018 (SCI-Expanded)
- XII. **Social sustainability in trade and development policy**
Pelletier N., Ustaoglu E., Benoit C., Norris G., Rosenbaum E., Vasta A., Sala S.
INTERNATIONAL JOURNAL OF LIFE CYCLE ASSESSMENT, vol.23, no.3, pp.629-639, 2018 (SCI-Expanded)
- XIII. **Determinants of Urban Expansion and Agricultural Land Conversion in 25 EU Countries**
Ustaoglu E., Williams B.
ENVIRONMENTAL MANAGEMENT, vol.60, no.4, pp.717-746, 2017 (SCI-Expanded)
- XIV. **Economic evaluation of agricultural land to assess land use changes**
Ustaoglu E., Castillo C. P., Jacobs-Crisioni C., Lavallo C.
LAND USE POLICY, vol.56, pp.125-146, 2016 (SSCI)

Articles Published in Other Journals

- I. **Assessment of the Climate Change Vulnerability of the Cities in Turkey**
Ustaoglu E.
Environmental Science and Sustainable Development, vol.9, no.3, pp.1-15, 2024 (Peer-Reviewed Journal)
- II. **Estimation of Demand for Urban Land Uses: A Case Study of Türkiye**
Ustaoglu E.
Kent Akademisi (Online), vol.17, no.2, pp.626-650, 2024 (Peer-Reviewed Journal)
- III. **Estimation of economic costs of air pollution from road vehicle transportation in Turkey**
Ustaoglu E.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.13, no.1, pp.156-168, 2024 (Peer-Reviewed Journal)
- IV. **Building composite indicators for the territorial quality of life assessment in European regions: combining data reduction and alternative weighting techniques**
Ustaoglu E., Ortega Lopez G., Gutierrez-Alcoba A.
Environment, Development and Sustainability, vol.00, no.00, 2023 (Scopus)
- V. **An assessment of land use/cover suitable for urban green space development: An example of an**

integration of GIS with the Multi-Criteria Analysis (MCA) approach

Ustaoglu E.

EUROPEAN SCIENTIFIC JOURNAL, vol.18, no.35, pp.1, 2022 (Peer-Reviewed Journal)

- VI. **LAND SUITABILITY ASSESSMENT OF GREEN INFRASTRUCTURE DEVELOPMENT A CASE STUDY OF PENDIK DISTRICT (TURKEY)**
Ustaoglu E., Aydinoglu A. C.
TEMA-JOURNAL OF LAND USE MOBILITY AND ENVIRONMENT, vol.12, no.2, pp.165-178, 2019 (Peer-Reviewed Journal)
- VII. **Developing and Assessing Alternative Land-Use Scenarios from the MOLAND Model: A Scenario-Based Impact Analysis Approach for the Evaluation of Rapid Rail Provisions and Urban Development in the Greater Dublin Region**
Ustaoglu E., Williams B., Petrov L. O., Shahumyan H., van Delden H.
SUSTAINABILITY, vol.10, no.1, 2018 (Scopus)
- VIII. **Scenario Analysis of Alternative Land Development Patterns for the Leipzig-Halle Region: Implications for Transport-Land-Use Sustainability**
Ustaoglu E., Williams B., Petrov L. O.
URBAN PLANNING, vol.2, no.1, pp.108-129, 2017 (Scopus)
- IX. **Evaluating of rail infrastructure projects: Incorporating urban form scenarios into cost-benefit analysis of the Dublin City Metro North Project**
Ustaoglu E., Williams B., Murphy E.
CASE STUDIES ON TRANSPORT POLICY, vol.4, no.2, pp.104-121, 2016 (Peer-Reviewed Journal)
- X. **Evaluating the functional utility characteristics of office buildings: A case study of the office market in Ankara, Turkey**
Ustaoglu E., Güzel H. A., Türel A.
JOURNAL OF REAL ESTATE LITERATURE, vol.21, no.1, pp.79-103, 2013 (Peer-Reviewed Journal)
- XI. **Determining agricultural suitable land in peri-urban geography using GIS and Multi Criteria Decision Analysis (MCDA) techniques**
Ustaoglu E., Sisman S., Aydinoglu A. C.
ECOLOGICAL MODELLING, vol.455, 1 (Peer-Reviewed Journal)
- XII. **Examining lag effects between industrial land development and regional economic changes: The Netherlands experience**
Ustaoglu E., Lavalle C.
PLOS ONE, vol.12, no.9, 1 (Peer-Reviewed Journal)
- XIII. **Regional Variations of Land-Use Development and Land-Use/Cover Change Dynamics: A Case Study of Turkey**
Ustaoglu E., Aydinoglu A. C.
REMOTE SENSING, vol.11, no.7, 1 (Peer-Reviewed Journal)

Books

- I. **Examining impact of landslide hazards in the peri-urban areas of Güneysu District of Rize, Turkey by global and local modelling techniques**
Aydinoğlu A. Ç., Sisman S., Ustaoglu E., Aydogdu G.
in: Challenges, Strategies, and Resiliency in Disaster and Risk Management, Zamokuhle Mbandlwa, Editor, IGI Global yayınevi, New York, pp.128-159, 2024
- II. **Using night-time lights and statistical data to measure regional inequality in Turkey**
Ustaoglu E.
in: Recent Developments in Financial Management and Economics, Abdelkader Mohamed Sghaier Derbali, Editor, IGI Global yayınevi, New York, pp.199-233, 2024
- III. **A spatial econometric analysis of the regional variations of residential energy consumption in**

Europe

Ustaoğlu E.

in: Green Economy and Renewable Energy Transitions for Sustainable Development, Rui Alexandre Castanho, Editor, IGI Global yayınevi, New York, pp.44-82, 2024

- IV. **The external costs of road transport: A case study of Turkey**
Ustaoğlu E., Aydınoğlu A. Ç.
in: Handbook of Research on Building Greener Economics and Adopting Digital Tools in the Era of Climate Change, Ordóñez de Pablos,P., Editor, IGI Global, Pennsylvania, pp.249-284, 2022
- V. **Cost-benefit evaluation tools on the impacts of transport infrastructure projects on urban form and development**
Ustaoğlu E., Williams B.
in: Smart Urban Development, Bobek,V., Editor, IntechOpen, London, pp.1489, 2019
- VI. **Theory, data, and methods: A review of models of land-use change.**
Ustaoğlu E., Aydınoğlu A. C.
in: Digital Research Methods and Architectural Tools in Urban Planning and Design, Abusaada,H.,Vellguth,C.,Elshater,A., Editor, IGI Global, Pennsylvania, pp.156-202, 2019
- VII. **Direct and Indirect Land Use Impacts of the EU Cohesion Policy. Assessment with the Land Use Modelling Platform**
Ustaoğlu E., Batista E Silva F., Lavallo C., Jacobs Crisioni C., Barranco R., Zulian G., Maes J., Baranzelli C., Perpina C., Vandecasteele I.
Publications Office of the European Union, Luxembourg, 2014
- VIII. **Social Sustainability in Trade and Development Policy: A Life Cycle Approach to Understanding and Managing Social Risk Attributable to Production and Consumption in the EU-27**
Ustaoğlu E., Pelletier N., Benoit C., Norris G.
Publications Office of the European Union, Luxembourg, 2013

Papers Published in Refereed Scientific Meetings

- I. **Factors determining agricultural land conversion in the EU**
Ustaoğlu E.
10th International Academic Conference on Economics, Business, Technology and Social Sciences, Batumi, Georgia, 11 - 12 June 2022, pp.8
- II. **Building Composite Indicators for the Territorial Quality of Life Assessment in European Regions: Combining Data Reduction and Alternative Weighting Techniques**
Ustaoğlu E., Ortega Lopez G.
9th Mediterranean Interdisciplinary Forum on Social Sciences and Humanities, MIFS, Almería, Spain, 25 - 26 October 2021
- III. **Land Suitability Assessment of Green Infrastructure Development: A Case Study of Pendik District (Turkey)**
Ustaoğlu E., Aydınoğlu A. C.
INPUT aCAdeMy 2019 International Conference on Innovation in Urban and Regional Planning: Planning, Nature and Ecosystem Services, Cagliari, Italy, 24 - 26 June 2019, pp.165-178
- IV. **Coupling Distinct Models to Inform Integrated Urban Development Policy Decisions**
Ustaoğlu E., Shahumyan H., Williams B., Knaap G., Moeckel R.
Social Simulation Conference, Dublin, Ireland, 25 - 29 September 2017
- V. **Developing a CBA Methodology for the Scenario-Based Land-Use Impact Assessment of Proposed Rail Investments in the Leipzig Region**
Ustaoğlu E., Williams B., Petrov L.
INPUT 2012 Seventh International Conference: Informatics and Urban and Regional Planning, Cagliari, Italy, 10 - 12 May 2012, pp.166-178

- VI. **Transport Infrastructure as a Key Determinant in Regional Growth Trends in PLUREL Case Study Regions**
 Ustaoglu E., Williams B.
 PLUREL International Conference: Managing the Urban Rural Interface, Kobenhavn, Denmark, 19 - 22 October 2010, pp.1
- VII. **Economic Evaluation of the Impacts of Metro North Investment and Consequential Forms of Urban Development within the Greater Dublin Area**
 Ustaoglu E., Williams B.
 14th International Planning History Society Conference: Urban Transformation: Controversies, Contrasts and Challenges, İstanbul, Turkey, 12 - 15 July 2010
- VIII. **Scenario-Based Impact Evaluation of Rapid Rail Infrastructure Investments on Urban Form and Development in Greater Dublin Area**
 Ustaoglu E.
 Year 2010: The Young European Arena of Research at the Transportation Research Arena-TRA Europe 2010 Conference, Brussels, Belgium, 7 - 10 June 2010
- IX. **Towards Scenario-Based Impact Evaluation of Transport Infrastructure Investment on Urban Form and Development in the Greater Dublin Area**
 Ustaoglu E., Williams B.
 Regional Studies Association Annual International Conference 2010: Regional Responses and Global Shifts: Actors, Institutions and Organisations, Pecs, Hungary, 25 May 2010
- X. **Economic Evaluation of the Impacts of New Rapid Rail Investments within the Greater Dublin Area**
 Ustaoglu E.
 ESS RESECON-European Summer School in Resource and Environmental Economics: Economics, Transport and Environment, Fourth Summer School , Venice, Italy, 5 - 11 July 2009
- XI. **Managing the Urban Environment: Evaluation of the Land Use Impacts of Major Metro Projects, Case Study of Metro North Dublin**
 Ustaoglu E., Williams B., Petrov L.
 JRC-UCD Land Use Modelling Seminar: Applying MOLAND as a Decision-Tool For Sustainable Development, Brussels, Belgium, 25 May 2009

Expert Reports

- I. **A Guideline for methodology development for the land-use modelling applications using the METRONOMICA Model: A case study of the Pendik District, Istanbul**
 Ustaoglu E., Aydinoglu A. C.
 TUBITAK 2232 Project, pp.245, Ankara, 2022
- II. **Applications of the Cost-Benefit Analysis for the for the Impact evaluation of Rapid Rail Investments and Urban Development in Plurel Regions**
 Ustaoglu E., Williams B.
 EC Framework 6 PLUREL Project, pp.76, Kobenhavn, 2011
- III. **Economic Evaluation of the Land-Use-Transport Relationship in the European Region: Costs and Benefits related to Evaluation of Rapid Rail Investments on Urban Form and Development**
 Ustaoglu E., Williams B.
 EC Framework 6 PLUREL Project, pp.46, Kobenhavn, 2010

Supported Projects

TUBITAK Project, Modeling Urban and Regional Land Use Dynamics with the Example of Case Studies in Turkey, 2017 - 2020

Ustaoglu E., Other International Funding Programs, Integrated Sustainability Assessment: Scenarios, Platform and Indicators, 2012 - 2014

Ustaoglu E., FP6 Project, PLUREL-Peri-Urban Land Use Relationships-Strategies and Sustainability Assessment Tools for Urban-Rural Linkages, 2007 - 2011

Ustaoglu E., Project Supported by Public Organizations in Other Countries, Urban Environment Project, 2006 - 2010

Activities in Scientific Journals

PLOS ONE, Editor, 2018 - Continues

Peer Reviews in Scientific Publications

URBAN RESEARCH AND PRACTICE, Journal Indexed in SCI-E, July 2021

INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, November 2018

SUSTAINABILITY, Journal Indexed in ESCI, September 2018

CASE STUDIES ON TRANSPORT POLICY, Other Indexed Journal, August 2018

SUSTAINABILITY, Journal Indexed in SCI-E, January 2018

LAND USE POLICY, Journal Indexed in SSCI, December 2017

SUSTAINABILITY, Journal Indexed in SCI-E, October 2017

Metrics

Publication: 49

Citation (Scopus): 318

H-Index (Scopus): 7

Scholarships

Roberto Kertesz , Other International Organizations, 2021 - 2022

Tubitak 2232, TUBITAK, 2018 - 2020

PLUREL PhD Scholarship, European Commission, 2007 - 2012

European Commission Marie Curie Actions Program ESS RESECON: Economics, Transport and Environment, European Commission, 2009 - 2009