

Assoc. Prof. MÜZEYYEN ANIL ŞENYEL

KÜRKÇÜOĞLU

Personal Information

Email: senyel@metu.edu.tr

Web: <https://avesis.metu.edu.tr/senyel>

International Researcher IDs

ScholarID: ngkIDtwAAAAJ

ORCID: 0000-0002-9423-6932

Publons / Web Of Science ResearcherID: AAZ-9403-2020

ScopusID: 57190007659

Yoksis Researcher ID: 203443

Education Information

Doctorate, The Ohio State University, Knowlton School Of Architecture, United States Of America 2007 - 2013

Postgraduate, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, Turkey 2003 - 2006

Undergraduate, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, Turkey 1999 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Geography and the Costs of Urban Energy Infrastructure: The Case of Electricity and Natural Gas Capital Investment, Ohio State University, Knowlton School Of Architecture, 2013

Postgraduate, Low-rise housing development in Ankara, Middle East Technical University, 2006

Research Areas

Geographic Information Systems, City and Regional Planning, Regional Planning, Urban Planning and Development

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, 2024 - Continues

Assistant Professor, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning,

2017 - Continues

Lecturer PhD, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, 2016 - 2017

Research Assistant, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, 2005 - 2016

Advising Theses

Şenyel Kürkçüoğlu M. A., Geostatistical Analysis of Fiber-Optic Cable Investments in Türkiye, Postgraduate, N.MEVSİM(Student), 2024

, Şenyel Kürkçüoğlu M. A., FACTORS OF SOCIO-SPATIAL VULNERABILITIES TO ENERGY POVERTY, Postgraduate, E.KORKMAZ(Student), 2024

Şenyel Kürkçüoğlu M. A., Predicting Corn Phenological Stages with Multispectral Time Series Remote Sensing Data by Threshold Based and Trend Detection Methods, Postgraduate, E.ŞENKARDEŞLER(Student), 2023

Şenyel Kürkçüoğlu M. A., Spatial Modelling of Urban Mobility Induced Air Pollution: A Case Study of Istanbul, Postgraduate, R.ŞENAY(Student), 2022

Şenyel Kürkçüoğlu M. A., Economic, social and environmental impacts of urban energy systems: The case of İzmir natural gas network, Postgraduate, B.ZENGİN(Student), 2021

Şenyel Kürkçüoğlu M. A., Assessment of recently developed inner city neighborhoods according to sustainable urban planning and design criteria: The case of Çukurambar, Postgraduate, K.KÖKEN(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Impacts of earthquake damage on commercial life: A RS and GIS based case study of Kahramanmaraş earthquakes**
Ozcan Tatar C., Cabuk S. N., Ozturk Y., ŞENYEL KÜRKÇÜOĞLU M. A., Ozenen-Kavlak M., Bilge Ozturk G., Dabanli A., Kucukpehlivan T., Cabuk A.
International Journal of Disaster Risk Reduction, vol.107, 2024 (SCI-Expanded)
- II. **Determination of land surface temperature and urban heat island effects with remote sensing capabilities: the case of Kayseri, Türkiye**
Çetin M., Ozenen Kavlak M., ŞENYEL KÜRKÇÜOĞLU M. A., Bilge Ozturk G., Cabuk S. N., Cabuk A.
Natural Hazards, vol.120, no.6, pp.5509-5536, 2024 (SCI-Expanded)
- III. **Assessing Earthquake-Induced Vulnerability of Critical Infrastructure in Kahramanmaraş Using Geographic Information Systems and Remote Sensing Technologies**
Çetin M., Ozcan Tatar C., Ozturk Y., Agacsapan B., Khoda Karimi Z., Ozenen Kavlak M., ŞENYEL KÜRKÇÜOĞLU M. A., Dabanli A., Cabuk A., Kucukpehlivan T., et al.
Journal of the Indian Society of Remote Sensing, 2024 (SCI-Expanded)
- IV. **Analysis of the energy justice in natural gas distribution with Multiscale Geographically Weighted Regression (MGWR)**
ŞENYEL KÜRKÇÜOĞLU M. A.
Energy Reports, vol.9, pp.325-337, 2023 (SCI-Expanded)
- V. **Determination of the impacts of urban-planning of the urban land area using GIS hotspot analysis**
Kucukpehlivan T., Cetin M., Aksoy T., ŞENYEL KÜRKÇÜOĞLU M. A., Cabuk S. N., Isik Pekkan O., Dabanli A., Cabuk A.
Computers and Electronics in Agriculture, vol.210, 2023 (SCI-Expanded)
- VI. **Determination of the Impacts of Mining Activities on Land Cover and Soil Organic Carbon: Altintepe Gold Mine Case, Turkey**
Cetin M., Isik Pekkan O., Bilge Ozturk G., Cabuk S. N., ŞENYEL KÜRKÇÜOĞLU M. A., Cabuk A.
Water, Air, and Soil Pollution, vol.234, no.4, 2023 (SCI-Expanded)
- VII. **Impacts of wind turbines on vegetation and soil cover: a case study of Urla, Cesme, and Karaburun**

Peninsulas, Turkey

Aksoy T., Cetin M., Cabuk S. N., ŞENYEL KÜRKÇÜOĞLU M. A., Ozturk G. B., Cabuk A.

CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.25, no.1, pp.51-68, 2023 (SCI-Expanded)

VIII. Examination of the Change in the Vegetation Around the Kirka Boron Mine Site by Using Remote Sensing Techniques

Cetin M., Isik Pekkan O., Bilge Ozturk G., ŞENYEL KÜRKÇÜOĞLU M. A., Kucukpehlivan T., Cabuk A.

Water, Air, and Soil Pollution, vol.233, no.7, 2022 (SCI-Expanded)

IX. Evaluation of comparing urban area land use change with Urban Atlas and CORINE data.

Aksoy T., Dabanli A., Cetin M., Senyel Kurkcuoglu M. A., Cengiz A. E., Cabuk S. N., Agacsapan B., Cabuk A.

Environmental science and pollution research international, vol.29, no.19, pp.28995-29015, 2022 (SCI-Expanded)

X. Spatio-Temporal Modelling of the Change of Residential-Induced PM10 Pollution through Substitution of Coal with Natural Gas in Domestic Heating

Şenyel Kürkçüoğlu M. A., Zengin B. N.

SUSTAINABILITY, vol.13, no.19, 2021 (SCI-Expanded)

XI. Assessment of the Ecological Footprint of Eskisehir Technical University-Iki Eylul Campus

Cetin M., Agacsapan B., Cabuk S. N., ŞENYEL KÜRKÇÜOĞLU M. A., Isik Pekkan O., Baran Argun E., Dabanli A.,

Kucukpehlivan T., Yilmazel B., Cabuk A.

JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING, vol.49, no.10, pp.2311-2327, 2021 (SCI-Expanded)

XII. Employing remote sensing technique to monitor the influence of newly established universities in creating an urban development process on the respective cities

Cetin M., Aksoy T., Cabuk S. N., ŞENYEL KÜRKÇÜOĞLU M. A., Cabuk A.

Land Use Policy, vol.109, 2021 (SCI-Expanded)

XIII. Assessing the effects of wind farms on soil organic carbon.

Pekkan O. I., Senyel Kurkcuoglu M. A., Cabuk S. N., Aksoy T., Yilmazel B., Kucukpehlivan T., Dabanli A., Cabuk A., Cetin M.

Environmental science and pollution research international, vol.28, no.14, pp.18216-18233, 2021 (SCI-Expanded)

XIV. Determination of the nighttime light imagery for urban city population using DMSP-OLS methods in Istanbul

Ortakavak Z., Çabuk S. N., Cetin M., ŞENYEL KÜRKÇÜOĞLU M. A., Cabuk A.

Environmental Monitoring and Assessment, vol.192, no.12, 2020 (SCI-Expanded)

XV. GEOGRAPHY AND THE CAPITAL INVESTMENT COSTS OF URBAN ENERGY INFRASTRUCTURE: THE CASE OF ELECTRICITY AND NATURAL GAS NETWORKS

ŞENYEL KÜRKÇÜOĞLU M. A., Guldmann J.

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.33, no.1, pp.61-86, 2016 (AHCI)

Articles Published in Other Journals

I. Sürdürülebilirlik ve Bölgesel Kalkınmada Altyapı Sistemleri

Şenyel Kürkçüoğlu M. A.

Resilience, vol.5, no.2, pp.309-325, 2021 (Peer-Reviewed Journal)

II. ANALYSIS OF ONLINE SHOPPING BEHAVIORS DURING COVID 19 PANDEMIC: ANKARA CASE

YILMAZEL B., HOCAOĞLU T., ŞENYEL KÜRKÇÜOĞLU M. A., ÇABUK S. N., GÜNŞOY B., ÇABUK A.

Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.22, no.3, pp.312-325, 2021 (Peer-Reviewed Journal)

III. Covid-19 Pandemisinin Avro Bölgesinde Büyüme, İşsizlik, Enflasyon ve Endüstriyel Üretim Üzerine Etkileri

Özenen Kavlak M., GÜNŞOY B., ŞENYEL KÜRKÇÜOĞLU M. A., ÇABUK S. N., Dabanli A.

Business and Economics Research Journal, vol.12, no.4, pp.767-786, 2021 (Peer-Reviewed Journal)

IV. Joint Costs in Electricity and Natural Gas Distribution Infrastructures: The Role of Urban Factors

ŞENYEL KÜRKÇÜOĞLU M. A., Guldmann J. M.

Books & Book Chapters

- I. **Ankara'da Yakıt Yoksulluğunun Sosyo-ekonomik Özellikler ve Konut Koşulları Çerçevesinde Değerlendirilmesi**
ŞENYEL KÜRKCÜOĞLU M. A.
in: Konut ve Yaşam Çevreleri: Çok Boyutlu Bir Sorun Alanı, Ö. Burcu Özdemir Sarı, Editor, İdealkent, Ankara, pp.243-269, 2023
- II. **The Effects of Large-Scale Public Investment on Cities and Regions in Turkey**
Şenyel Kürkcüoğlu M. A.
in: Urban and Regional Planning in Turkey, Ö. Burcu ÖZDEMİR SARI, Suna Senem ÖZDEMİR, Nil UZUN, Editor, Springer, London/Berlin, Zug, pp.83-106, 2019
- III. **Planlama ve Afet Risk Yönetiminde Analiz ve Görsel Sunum**
Şenyel M. A.
in: Kent, Planlama ve Afet Risk Yönetimi, Meltem Şenol Balaban, Editor, Anadolu Yayınları, Eskişehir, pp.86-105, 2017
- IV. **Kentsel Altyapı**
Şenyel M. A.
in: Kent Planlama, Suna Senem Özdemir, Ö. Burcu Özdemir Sarı, Nil Uzun, Editor, İmge Kitabevi Yayınları, Ankara, pp.253-280, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Fuel Poverty in Urban Regeneration Areas: A case of Ankara, Türkiye**
ŞENYEL KÜRKCÜOĞLU M. A.
36. AESOP Annual Congress: Gamechanger? Planning for Just and Sustainable Urban Regions, Paris, France, 8 - 12 July 2024
- II. **Enerji Krizi Çerçevesinde Yakıt Yoksulluğu Riskine Kentsel Dönüşüm Pratiklerinin Yanıtı**
Şenyel Kürkcüoğlu M. A.
Kentsel ve Bölgesel Araştırmalar Ağı (KBAM) 9. Sempozyumu, İzmir, Turkey, 15 - 17 December 2023
- III. **Kentsel Dönüşüm Alanlarında Tasarım Müdahalelerinin Yakıt Yoksulluğuna Etkisi**
Can M. B., Can M. B., Şenyel Kürkcüoğlu M. A.
8 KASIM DÜNYA ŞEHİRCİLİK GÜNÜ 47. KOLOKYUMU, Ankara, Turkey, 8 - 10 November 2023
- IV. **Düşük Gelir Yüksek Maliyet Kriteri Uyarınca Kentsel Düzeyde Yakıt Yoksulluğu Analizi: Ankara Örneği**
ŞENYEL KÜRKCÜOĞLU M. A.
VII. ULUSLARARASI KENT ARAŞTIRMALARI KONGRESİ, Ankara, Turkey, 16 May 2022, pp.1713-1718
- V. **Düşük Gelir Yüksek Maliyet Kriteri Uyarınca Kentsel Düzeyde Yakıt Yoksulluğu Analizi: Ankara Örneği**
Şenyel Kürkcüoğlu M. A.
7. Uluslararası Kent Araştırmaları Kongresi, Ankara, Turkey, 16 - 18 May 2022, pp.1707-1718
- VI. **Kentsel Enerji Yatırımlarının Sosyo-Mekansal Etkileri: İzmir Doğal Gaz Ağı Örneği**
Zengin B. N., ŞENYEL KÜRKCÜOĞLU M. A.
7. KBAM Sempozyumu, Mersin, Turkey, 10 September 2020, pp.593-609
- VII. **Kentsel Dokunun Nitelemesinde Yapı Örüntüsünün Morfolojik Göstergeleri**
ÇALIŞKAN O., Mashhoodi B., ŞENYEL KÜRKCÜOĞLU M. A.
II. Kentsel Morfoloji Sempozyumu, İstanbul, Turkey, 31 October - 02 November 2018, pp.311-329

- VIII. **TECHNOLOGY RESHAPING THE GEOGRAPHY: HIGH SPEED TRAIN IN TURKEY**
ŞENYEL M. A.
AESOP, Lizbon, Portugal, 11 - 14 July 2017
- IX. **PUBLIC SPACES PRODUCED BY COLLECTIVE EFFORT: COMMUNITY GARDENS IN ANKARA**
ŞENYEL M. A.
AESOP, Lizbon, Portugal, 11 - 14 July 2017
- X. **MAPPING THE SPATIAL VARIATION OF HOUSING PRICES THE CASE OF ISTANBUL METROPOLITAN AREA DISTRICTS**
ŞENYEL M. A.
Second Urban Planning and Property Development Conference, Singapore, Singapore, 10 - 11 October 2016
- XI. **Dönüşüme Çeyrek Kala Fatih Sultan Mehmet Mahallesi**
KAMACI KARAHAN E., ŞENYEL KÜRKÇÜOĞLU M. A.
8 Kasım Dünya Şehircilik Günü 39. Kolokyumu, Trabzon, Turkey, 05 November 2015
- XII. **Need or Illusion? A Critical Review of the High-income Suburban Developments in Ankara**
ŞENYEL KÜRKÇÜOĞLU M. A.
1st AESOP Young Academics Meeting, Bratislava, Slovakia, 07 February 2007
- XIII. **Tracing Regional Differences on the Urban Space The case of Ankara**
Büyükcivelek A. B., Şenyel M. A.
ISOCARP, Bratislava, Slovakia, 17 - 18 September 2006
- XIV. **Tracing Regional Differences on Urban Space: the case of Ankara**
BÜYÜKCİVELEK A. B., ŞENYEL KÜRKÇÜOĞLU M. A.
42nd International Planning Congress (ISoCaRP): Cities between Integration and Disintegration, Opportunities and Challenges, İstanbul, Turkey, 14 September 2006

Supported Projects

Şenyel Kürkçüoğlu M. A., Çabuk A., Çabuk S. N., Project Supported by Other Official Institutions, Ulusal Coğrafi Bilgi Stratejisi ve Eylem Planı İzleme ve Raporlama Faaliyetleri için Olgunluk Modeli Geliştirilmesi, 2020 - 2021
Şenyel Kürkçüoğlu M. A., TUBITAK Project, İzmir Örneği ile Türkiye’de değişen Yerleşme Örüntüsünün Yorumlanması (117K824) (Araştırmacı), 2018 - 2021
Kayasü S., Yetişkul Şenbil E., Şenyel Kürkçüoğlu M. A., TUBITAK Project, Practices and policies for neighbourhood improvement towards Gentrification 2 0, 2012 - 2017

Scientific Refereeing

Geo-spatial Information Science, Journal Indexed in SCI-E, January 2023
Energy, SCI Journal, November 2021
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, November 2021
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, June 2021
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, June 2021
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, April 2021
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, June 2019
GAZI UNIVERSITY JOURNAL OF SCIENCE, Journal Indexed in ESCI, April 2019
ENERGY, SCI Journal, February 2019
ENERGY, SCI Journal, August 2017

Metrics

Publication: 38
Citation (WoS): 371
Citation (Scopus): 376
H-Index (WoS): 10
H-Index (Scopus): 10

Scholarships

YÖK Yurtdışı Doktora Bursu, YOK, 2007 - 2011

Non Academic Experience

KAMU İHALE KURUMU