

## Asst. 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

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

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

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

Şenel 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **Spatio-Temporal Modelling of the Change of Residential-Induced PM10 Pollution through Substitution of Coal with Natural Gas in Domestic Heating**  
Şenel Kürkçüoğlu M. A., Zengin B. N.  
SUSTAINABILITY, vol.13, no.19, 2021 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)

- X. **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., Dabanlı 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.  
Urban Science, vol.2, no.2, 2018 (ESCI)

## Books & Book Chapters

- I. **The Effects of Large-Scale Public Investment on Cities and Regions in Turkey**  
Şenyel Kürkçüoğlu 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
- II. **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
- III. **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. **Düşük Gelir Yüksek Maliyet Kriteri Uyarınca Kentsel Düzeyde Yakıt Yoksulluğu Analizi: Ankara Örneği**  
Düşük Gelir Yüksek Maliyet Kriteri Uyarınca Kentsel Düzeyde Yakıt Yoksulluğu Analizi: Ankara Örneği  
Şenyel Kürkçüoğlu M. A.  
7. Uluslararası Kent Araştırmaları Kongresi, Ankara, Turkey, 16 - 18 May 2022, pp.1707-1718
- II. **Kentsel Enerji Yatırımlarının Sosyo-Mekansal Etkileri: İzmir Doğal Gaz Ağı Örneği**  
Zengin B. N., ŞENYEL KÜRKÇÜOĞLU M. A.  
7. KBAM Sempozyumu, Mersin, Turkey, 10 September 2020, pp.593-609

- III. **Kentsel Dokunun Nitelemesinde Yapı Örüntüsünün Morfolojik Göstergeleri**  
ÇALIŞKAN O., Mashhoodi B., ŞENYEL KÜRKÇÜOĞLU M. A.  
II. Kentsel Morfoloji Sempozyumu, İstanbul, Turkey, 31 October - 02 November 2018, pp.311-329
- IV. **TECHNOLOGY RESHAPING THE GEOGRAPHY: HIGH SPEED TRAIN IN TURKEY**  
ŞENYEL M. A.  
AESOP, Lizbon, Portugal, 11 - 14 July 2017
- V. **PUBLIC SPACES PRODUCED BY COLLECTIVE EFFORT: COMMUNITY GARDENS IN ANKARA**  
ŞENYEL M. A.  
AESOP, Lizbon, Portugal, 11 - 14 July 2017
- VI. **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
- VII. **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
- VIII. **Tracing Regional Differences on the Urban Space The case of Ankara**  
Büyükcivelek A. B., Şenyel M. A.  
ISOCARP, Bratislava, Slovakia, 17 - 18 September 2006

## Supported Projects

Şenyel Kürkçüoğlu M. A., UZUN C. N., TÜRE C., ÇABUK S. N., TUBITAK Project, Kentsel Dönüşüm Alanlarında Yakıt Yoksulluğu Araştırması, 2022 - 2024

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  
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

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, November 2021

Energy, SCI Journal, 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: 26

Citation (WoS): 91

Citation (Scopus): 103

H-Index (WoS): 5

H-Index (Scopus): 5

## **Scholarships**

YÖK Yurtdışı Doktora Bursu, YOK, 2007 - 2011