

MELTEM ŞENOL BALABAN

ASSOC. PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-7689-2019

ScopusID: 57192979300

Yoksis Researcher ID: 160095



Biography

Meltem ŞENOL BALABAN, PhD.

She was graduated from the City and Regional Planning Department (CRP) at Middle East Technical University (METU) in 1998 with a Bachelor in City Planning and subsequently did a Master of Science in Urban Design. Dr. Balaban holds two PhD titles. In her City and Regional Planning PhD thesis she focused on flood disaster management in Turkish cities, targeting the associated risks for society and planning processes. In her second PhD in Urban Engineering as a JICA Scholar she developed a GIS-based model for spatial distribution of potential urban spaces used as evacuation and temporary shelter sites and piloted this concept in a case study of a district in Istanbul. Her experience is highly relevant when it comes to applying disaster risk prevention concepts in a very practical way on the municipal level.

After her Bachelor degree Dr. Balaban continued to work in CRP at METU. From 1999-2005 she was employed as Research and Teaching Assistant. During that period, she was seconded as researcher to the German GeoForschungZentrum (GFZ) mainly in Hydrology Department, in Potsdam, where she dedicated herself to urban flood management in mega cities. Since 2005, with some breaks in between, she is working as part-time instructor and (since 2013) as Assistant Professor in CRP at METU. Main focus of her work is on integrating GIS in planning processes, risk management and mitigation planning, urban flood risk management, GIS-based modelling in mitigation planning, climate change adaptation in urban areas. Dr. Balaban is very familiar with all relevant national and international DRM methodologies and concepts. She authored a wealth of publications in relevant fields, e.g. the definition of barriers in the Turkish local context as regards climate change adaptation or lessons learnt for resilience in urban planning derived from an assessment of flood risk factors in riverine cities of Turkey, thus providing her with state-of-the-art knowledge and research experience. Since August 2018 she holds the position of Director of METU Disaster Management Implementation and Research Center.

In Spring 2025, new Course titled "Nature-based Solutions for Cities" that is designed by Dr. Melike Kuş will be offered by her and her colleague.

Education

Doctorate 2009 - 2012	Tokyo University, Faculty of Engineering, Department of Urban Engineering, Japan
Doctorate 2002 - 2009	Middle East Technical University, Graduate School of Natural and Applied Sciences, Şehir Ve Bölge Planlama (Dr), Turkey
Postgraduate 1998 - 2001	Middle East Technical University, Graduate School of Natural and Applied Sciences, Kentsel Tasarım (YI) (Tezli), Turkey
Undergraduate 1993 - 1998	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, Turkey

Foreign Languages

Japanese, A1 Beginner
English, C2 Mastery

Dissertations

Doctorate, Development of a GIS-based Model for Spatial Distribution of Evacuation and Temporary Shelter Sites: Case Study of Fatih District, Tokyo University, Urban Engineering, 2012
Doctorate, Risk society and planning: the case of flood disaster management in Turkish cities, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 2009
Postgraduate, The role of climate and geomorphological structure on city macroform: A case study on Ankara macroform, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kentsel Tasarım (YI) (Tezli), 2001

Academic Titles / Tasks

Associate Professor 2020 - Continues	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning
Assistant Professor 2018 - 2020	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning
Assistant Professor 2013 - 2018	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning

Supported Projects

1. Ishikawa E., Şenol Balaban M., Project Supported by Public Organizations in Other Countries, The Project of Japan Science and Technology Agency, Title: Comparative Study on the Recovery Process and Philosophy of Victims and

Affected Areas in Asian Cities and Villages from Japan, Taiwan, Türkiye, 2024 - 2027

2. Şenol Balaban M., Yalçın A. C., Askan Gündoğan A., Pekcan O., Universities of Other Countries Supported Project, Creation support and utilization of the 2023 Kahramanmaraş Earthquake related digital archive, 2023 - 2024
3. Osman A. S., Huvaj Sarihan N., Şenol Balaban M., Ünal Z. G., Gökmen Erdoğan B., Project Supported by Public Organizations in Other Countries, Developing a novel Climate change Risk Assessment Framework for cultural heritage in Turkey (CRAFT)-PHASE II (funded by UK Arts and Humanities Research Council), 2023 - 2024
4. Askan Gündoğan A., Şenol Balaban M., Koçkar M. K., Erberik M. A., Tün M., Kop A., Uyguçgil H., Mutlu S., Project Supported by Other Official Institutions, Developing a Method for Urban Seismic Resilience Assessment: Türkoğlu, Kahramanmaraş Case, 2021 - 2023
5. Huvaj Sarihan N., Şenol Balaban M., Ünal Z. G., Osman A., Project Supported by Public Organizations in Other Countries, CRAFT: DEVELOPING A NOVEL CLIMATE CHANGE RISK ASSESSMENT FRAMEWORK FOR CULTURAL HERITAGE IN TURKEY (funded by UK Arts and Humanities Research Council AHRC, Global Challenges Research Fund GCRF), 2020 - 2022
6. Huvaj Sarihan N., Şenol Balaban M., Manzella I., Project Supported by Public Organizations in Other Countries, NET: NEW TECHNOLOGIES AND PARTICIPATORY APPROACHES FOR DISASTER RESILIENCE (Funded by UK Royal Academy of Engineering, Project Coordinator: Univ. of Plymouth), 2020 - 2022
7. Huvaj Sarihan N., Kentel Erdoğan E., Askan Gündoğan A., Şenol Balaban M., Balaban O., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Ministry of Environment, Urbanization and Climate Change, DEVELOPMENT OF MITIGATION MEASURES AND RISK REDUCTION CRITERIA TO BE BASED ON SPATIAL PLANS, 2020 - 2021
8. ŞENOL BALABAN M., ULUÇ A., Project Supported by Higher Education Institutions, Türkiye'deki UNESCO Dünya Miras Alanlarının Maruz Kaldığı Doğal ve İnsan Kaynaklı Tehlikelerin Mekansallaştırılması, 2018 - 2021
9. Şenol Balaban M., Project Supported by Other Official Institutions, Preparing LDRRP in Rize and Tekirdağ Provinces based on Guidelines by Provincial AFADs, 2020 - 2020
10. Şenol Balaban M., Project Supported by Other Official Institutions, Updating Guidelines for Provincial Risk Reduction Plan Preparation by Pilot Implementation Project, 2019 - 2019
11. Şenol Balaban M., TICA-JICA Cooperation Program Supported Project, Third Country Training Programme on Disaster Risk Management and Building Disaster Resilient Communities, 2019 - 2019

Scholarships

ERASMUS + Academic Staff Mobility (KA 107) in NHDR at Niigata University, JAPAN, University, 2018 - 2018

JICA Scholarship for Long-term Training Program (PhD in Tokyo University) on Strengthen Disaster Research Capacity, Other International Organizations, 2009 - 2012

UN ProVention Consortium Research and Action Grants for Disaster Reduction, United Nations, 2007 - 2008

FEMA Training Course on 'Managing Floodplain Development through the National Flood Insurance Programme (NFIP)', Official Institutions of Foreign Countries, 2003 - 2003

Jury Memberships

Award, Türk Japon Vakfı, JICA Türkiye, AFAD, MEB, ADV ve ODTÜ-AYM işbirliğinde düzenlenen Öğretmenlere Yönelik Afet Eğitimi Materyal Geliştirme Yarışması, The Turkish Japanese Foundation, October, 2024

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2024

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2024

Award, Japon Hükümeti MEXT (Monbukagakusho) Bursu Jüri Üyeliği, Middle East Technical University, June, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2024

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, April, 2024

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, April, 2024

Doctorate, Doctorate, İsviçre Lozan Üniversitesi, March, 2024

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, December, 2023
Award, Japanese Government (Monbukagakusho: MEXT) Scholarship Jury Membership, Embassy of Japan in Türkiye, June, 2023
Award, 14. ULUSAL PEYZAJ MİMARLIĞI ÖDÜLLERİ, Peyzaj Mimarları Odası, May, 2023
Award, Afet Eğitimi Materyal Geliştirme Yarışması (Ödüllü), Turkish Japanese Foundation, August, 2022
Award, Japanese Government (Monbukagakusho: MEXT) Scholarship Jury Membership, Embassy of Japan in Türkiye, June, 2022
Award, Afet Risk Azaltma Proje Yarışması (Ödüllü), Turkish Japanese Foundation, June, 2022
Award, Türk Japon Vakfı, JICA Türkiye Ofisi, AFAD, MEB, ADV, ODTÜ-AYM işbirliğinde düzenlenen Öğretmenlere yönelik Afet Risk Azaltma Proje Yarışması, Tuskish Japanese Foundation, November, 2021
Award, Japanese Government (Monbukagakusho: MEXT) Scholarship Jury Membership, Japan Embassy of Türkiye, April, 2021
Award, Fulbright Bursları Jüri Üyeliği, Türkiye Fulbright Eğitim Komisyonu, December, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, November, 2019
Award, ESRI Türkiye Genç Bilginler Yarışması Nisan 2019, ESRI, April, 2019
Award, Serhat Özyar Yılın Genç Bilim İnsanı Ödülü, ODTÜ Öğretim Elemanları Derneği, March, 2019
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, October, 2018

Designed Lessons

Undergraduate

Kuş M., Şenol Balaban M., NATURE BASED SOLUTIONS FOR CITIES, Undergraduate, 2024 - 2025

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Assessment of urban seismic resilience of a town in Eastern Türkiye: Turkoglu, Kahramanmaras before and after 6 February 2023 M 7.8 Kahramanmaras earthquake**
Askan Gündoğan A., Altındal A., Aydın M. F., Erberik M. A., Koçkar M. K., Tün M., Şenol Balaban M., Uyguçgil H., Kop A., Karım Zadeh Naghshme S., et al.
EARTHQUAKE SPECTRA, vol.41, no.1, pp.146-175, 2024 (SCI-Expanded)
- 2. Emergency response, and community impact after February 6, 2023 Kahramanmaraş Pazarcık and Elbistan Earthquakes: reconnaissance findings and observations on affected region in Türkiye**
Şenol Balaban M., Doğulu C., Akdede N., Akoğlu H., Karakayalı O., Yılmaz S., Yılmaz S., Ajobiewe T., Güzel S., İkizer G., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.23, pp.1053-1081, 2024 (SCI-Expanded)
- 3. AN ASSESSMENT OF FLOOD RISK FACTORS IN RIVERINE CITIES OF TURKEY: LESSONS FOR RESILIENCE AND URBAN PLANNING**
Şenol Balaban M.
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.33, pp.45-71, 2016 (AHCI)

Articles Published in Other Journals

- 1. SENDAI Afet Risk Azaltma Çerçevesi Ve Yerel Yönetimlerde Risk Azaltma Faaliyetleri İle İlişkisi Bağlamında Türkiye Kentleri**
Şenol Balaban M.
Şehir ve Toplum, no.28, pp.41-56, 2024 (Non Peer-Reviewed Journal)

2. **İklim Adaleti ve Konut: Adil Uyum Evden Başlar**
Şenol Balaban M., Balaban O.
Dosya Dergisi, vol.2023, no.52, pp.69-76, 2023 (Peer-Reviewed Journal)
3. **An Evaluation on Cultural Heritage Fire Risk Management Policies: The UK and Turkey Cases**
Uluç A., Şenol Balaban M., Yıldırım Esen S.
TÜBA-KED Türkiye Bilimler Akademisi Kültür Envanteri Dergisi, vol.0, no.24, pp.205-221, 2021 (Peer-Reviewed Journal)
4. **The Comparison of Institutional Frameworks Regarding Risk Management for Conservation of Cultural Heritage by Focusing on UNESCO World Heritage Sites: The Cases of the UK, Japan and Turkey**
Uluç A., Şenol Balaban M.
Resilience, vol.3, no.2, pp.347-367, 2019 (Peer-Reviewed Journal)
5. **Creating disaster resilient settlements: Disaster risk reduction plan**
Şenol Balaban M.
Bilim ve Ütopya, vol.25, no.305, pp.29-34, 2019 (Peer-Reviewed Journal)
6. **Commemorating the 20th Anniversary of the Marmara Earthquakes: Are Our Cities Ready to Sustain Natural and Environmental Hazards?**
Şenol Balaban M.
Mimarlık, no.409, pp.20-24, 2019 (Peer-Reviewed Journal)
7. **Could a Green Economy Approach Be an Option for a Fairer and Sustainable Future?**
Balaban O., Şenol Balaban M.
Mimarlık, vol.397, pp.67-72, 2017 (Peer-Reviewed Journal)
8. **Adaptation to Climate Change Barriers in the Turkish Local Context**
Balaban O., Şenol Balaban M.
TEMA: JOURNAL OF LAND USE, MOBILITY AND ENVIRONMENT, vol.8, pp.7-22, 2015 (ESCI)
9. **A Study on the Accessibility and Sufficiency Analysis of the Existing Open Space Stock in Istanbul Fatih District in Use as Emergency Evacuation and Temporary Shelter Areas**
Şenol Balaban M.
Dosya, no.26, pp.44-53, 2011 (Peer-Reviewed Journal)

Books

1. **A Turning Point in Türkiye's Seismic History: The 6 February Earthquakes**
Şenol Balaban M.
in: TÜRKİYE HUMANITARIAN ACTION OVERVIEW 2023, Selman Salim Kesgin, Gökçe Eser, Editor, KIZILAY Culture and Arts Publication, Ankara, pp.12-16, 2024
2. **Türkiye'nin Afetler Tarihinde Bir Milat Olarak 6 Şubat Depremleri**
Şenol Balaban M.
in: Türkiye Humanitarian Action Overview 2023, Selman Salim Kesgin, Gökçe Eser, Editor, Kızılay Kültür ve Sanat Yayınları, Ankara, pp.12-16, 2024
3. **Hazard-Prone Cities and Recent Challenges in the Case of Urban Transformation Experience of Turkey**
Şenol Balaban M.
in: Urban and Regional Planning in Turkey, Özdemir Sarı Ö. B., Özdemir S., Uzun N., Editor, Springer, London/Berlin , Zug, pp.235-259, 2019
4. **City, Planning and Disaster Risk Management**
Şenol Balaban M. (Editor)
Anadolu Yayınları, Eskişehir, 2017
5. **Disaster Risk Management, Mitigation Planning and Resilient Cities**
Şenol Balaban M.

in: City Planning, Suna Senem Özdemir, Burcu Özdemir Sarı, Nil Uzun, Editor, İmge Kitabevi Yayınları, Ankara, pp.507-535, 2017

6. **Disaster Risk Management Terminology**

Şenol Balaban M.

in: City, Planning and Disaster Risk Management, Meltem Şenol Balaban, Editor, Anadolu Üniversitesi Yayınları, Eskişehir, pp.107-134, 2017

7. **Disaster Mitigation Planning and Implementations**

Şenol Balaban M., Keskinok H. Ç.

in: City, Planning and Disaster Risk Management, Meltem Şenol Balaban, Editor, Açık Öğretim Fakültesi Yayınları, Eskişehir, pp.167-192, 2017

8. **Barrier-free METU Urban Design Project**

ŞENOL BALABAN M.

in: CATALOGUE 01 METU MASTER OF URBAN DESIGN, Olgu Çalışkan, Editor, METU Faculty of Architecture, Ankara, pp.59-63, 2016

9. **Floods and Flood Management**

ŞENOL BALABAN M.

in: Architects and Disasters, Emine M. Komut, Editor, International Union of Architects, Ankara, pp.119-124, 2005

Papers Published in Refereed Scientific Meetings

1. **RISK MANAGEMENT FOR URBAN HERITAGE: THE CASE OF IZMIR**

Bektaş B. N., Nizamoğlu S. M. A., Şenol Balaban M.

AESOP, Paris, France, 8 - 12 July 2024, pp.1335-1376

2. **A METHODOLOGY FOR ASSESSMENT OF URBAN SEISMIC RESILIENCE: TÜRKÖGLÜ, KAHRAMANMARAS CASE STUDY**

Aydın M. F., Askan Gündoğan A., Kop A., Şenol Balaban M., Tün M., Erberik M. A., Koçkar M. K.

The 18th World Conference on Earthquake Engineering (WCEE2024), Milan, Italy, 30 June - 05 July 2024, pp.1

3. **Türkiye'de Kültürel Miras için İklim Değişikliği Risk Değerlendirme Sistemi (CRAFT) Geliştirilmesi Projesi**

Şenol Balaban M., Huvaj Sarıhan N.

Kültürel Miras Alanlarında Afet Risk Azaltma (CHARM) Stratejileri Çalıştayı, Ankara, Turkey, 3 - 04 July 2024

4. **Cities and Dangers in the Focus of Climate Change, a Multidimensional Problem**

Şenol Balaban M.

76. Jeoloji Kurultayı, Ankara, Turkey, 15 - 19 April 2024, pp.74

5. **Experience on Sustainability and Recovery of the Critical Structures and Post Disaster Issues**

Yalçın A. C., Şenol Balaban M.

The 2nd Joint Seminar on the 2023 Earthquake in the Southern Turkey and Syria, 03 August 2023

6. **Değişen Dönüşen Afetler ve Dirençli Kentler**

Şenol Balaban M.

Burse Büyükşehir Belediyesi UNESCO Bursa Alan Başkanlığı "Afetler ve Değişim" Paneli, Bursa, Turkey, 21 June 2023

7. **Investigating the City of Safranbolu World Heritage Site with its Natural Threats**

Uluç A., Şenol Balaban M.

International Science and Engineering Applications Symposium on Hazards 2019, Karabük, Turkey, 25 - 27 September 2019, pp.429-434

8. **The Comparison of Different Institutional Frameworks Regarding Risk Management for Conservation of Cultural Heritage: The Case of Britain, Japan and Turkey UNESCO World Heritage Sites**

Uluç A., Boukaze-Khan D., Şenol Balaban M.

International Disaster and Resilience Congress - From Risk to Resilience, Eskişehir, Turkey, 26 - 28 June 2019

9. **URBAN RESILIENCE TO DISASTERS: LEARNING FROM TURKISH URBAN REGENERATION**

EXPERIENCES

Adıktulu S., Şenol Balaban M.

AESOP ANNUAL CONGRESS, Venedik, Italy, 9 - 13 July 2019

10. **International Cooperation and Local Diversities for Disaster Resilient Communities**
Şenol Balaban M.
INTERNATIONAL DISASTER AND RESILIENCE CONGRESS - FROM RISK TO RESILIENCE, Eskişehir, Turkey, 26 - 28 June 2019
11. **Evaluation of Historical and Future Urban Risks of Erzincan City by Using Ground Motion Simulation**
Celik A., Şenol Balaban M., Karım Zadeh Naghshme S., Askan Gündoğan A.
International Disaster Resilience Congress (IDRC2019), Eskişehir, Turkey, 26 - 28 June 2019
12. **Defining the Risks Faced by Cultural Heritage Sites Through Dialogue (Non-Dialogue)**
Uluç A., Şenol Balaban M.
Prof. Dr. Gönül Tankut Anısına Koruma: Geçmiş, Bugün, Gelecek Arasındaki Diyalog, Ankara, Turkey, 26 - 28 October 2017
13. **A STUDY ON SPATIAL DISTRIBUTION OF EVACUATION AND TEMPORARY SHELTER SITES**
ŞENOL BALABAN M.
AESOP 2017 Annual Congress, SPACES OF DIALOG FOR PLACES OF DIGNITY: Fostering the European Dimension of Planning, LİZBON, Portugal, 11 - 14 July 2017
14. **A Study on the Spatial Distribution of Evacuation Sites due to Earthquake Risk in the City of Istanbul by using GIS Techniques**
ŞENOL BALABAN M.
Japan-China Joint Workshop on Accident Prevention and Disaster Mitigation Policy, Tokyo, Japan, 29 July 2011, pp.89-100
15. **Turkish Experience on Flood Risk Management**
ŞENOL BALABAN M.
9th International Symposium on New Technologies For Urban Safety of Mega Cities in Asia - USMCA 2010, Kobe, Japan, 13 - 14 October 2010
16. **Global Warming, Flood Disasters and Türkiye**
Şenol Balaban M.
Taşkın Konferansı: 5. Dünya Su Forumu Türkiye Bölgesel Su Toplantıları, Edirne, Turkey, 19 - 20 June 2008, pp.58-70

Other Publications

1. **6 Şubat Afet Bölgesi Mevcut Durum Değerlendirmesi ve Gelişim Önerileri Raporu**
Altan Arslan Ş., Şenol Balaban M., İzci İ., Aktaş A. Ş., Bal C., Onar S., Güvenç Bıçkıcı S., Bıçkıcı S.
Technical Report, pp.1-84, 2024
2. **A Flood-prone Country: Türkiye, Climate Journal**
Şenol Balaban M.
Other, pp.1-17, 2022
3. **FINAL REPORT ON THE DEVELOPMENT OF MITIGATION MEASURES AND RISK REDUCTION CRITERIA TO BE BASED ON SPATIAL PLANS**
Şenol Balaban M., Askan Gündoğan A., Balaban O., Huvaj Sarihan N.
Technical Report, pp.1-500, 2021
4. **Scientific Research Project Final Report**
Şenol Balaban M., Uluç Keçik A.
Technical Report, pp.1-67, 2021
5. **Local Disaster Risk Reduction Plan Guidance, AFAD**
Şenol Balaban M.
Technical Report, pp.1-100, 2020

6. Kahramanmaraş Provincial Disaster Risk Reduction Plan

Şenol Balaban M.

Technical Report, pp.1-113, 2020

Academic and Administrative Experience

2020 - Continues	Advisory Board Member on Disasters and Emergency Situations	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning
2018 - Continues	Applied Research Center Board Member	Middle East Technical University, Presidency Office, Applied Ethics Research Center
2018 - Continues	Manager of Research and Application Center	Middle East Technical University, Presidency Office, Disaster Management Implementation and Research Center
2015 - Continues	Member of Programme Steering Committee	Middle East Technical University, Graduate School of Natural and Applied Sciences, Earthquake Studies
2014 - Continues	Minor Program Coordinator	Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning
2014 - Continues	Applied Research Center Board Member	Middle East Technical University, Presidency Office, Disaster Management Implementation and Research Center

Courses

Postgraduate

Principles of Disaster Risk Management and Risk Reduction, Postgraduate, 2020 - 2021, 2019 - 2020

Undergraduate

Planning Studio V, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Contemporary Issues in City and Regional Planning, Undergraduate, 2022 - 2023, 2021 - 2022

Planning Studio VI, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

PLANNING STUDIO IV, Undergraduate, 2017 - 2018

PLANNING STUDIO III, Undergraduate, 2018 - 2019

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS IN PLANNING, Undergraduate, 2017 - 2018

Supervised Theses

Şenol Balaban M., Demir N., ANALYSING THE IMPACT OF LAND COVER AND LAND USE DECISIONS ON FLOODS WITH MULTITEMPORAL SENTINEL-1 SAR AND SENTINEL-2 DATA, Postgraduate, S.GÜZEL(Student), 2024

Şenol Balaban M., Askan Gündoğan A., Identification of gaps in the interface between spatial planning decisions and construction practice of built-up areas in the scope of seismic resilient cities: Case of Kahramanmaraş, Postgraduate, E.ZEYNEP(Student), 2023

Şenol Balaban M., Yıldırım Esen S., FIRE VULNERABILITY ASSESSMENT FOR HERITAGE PLACES:A CASE OF THE CITY OF SAFRANBOLU WORLD HERITAGE SITE, Doctorate, A.ULUÇ(Student), 2022

Şenol Balaban M., THE ROLE OF COMMUNITY ENERGY PLANNING IN DECENTRALIZATION POLICIES OF TURKEY, Postgraduate, E.ERKAN(Student), 2022

Şenol Balaban M., A STUDY ON PHYSICAL RESILIENCE OF URBAN TRANSFORMATION IMPLEMENTATIONS IN TURKEY UNDER THE LAW NUMBERED 6306, Postgraduate, U.ÜSTÜNÇAN(Student), 2021

Şenol Balaban M., A STUDY ON THE ENERGY EFFICIENCY CRITERIA OF GREEN CAMPUS WITH A MULTI-SCALE APPROACH: METU CAMPUS, Postgraduate, Ö.APAYDIN(Student), 2019

ŞENOL BALABAN M., Resilience to disasters: Lessons from Turkish urban regeneration experiences, Postgraduate, S.ADIKUTLU(Student), 2019

Şenol Balaban M., AN EVALUATION OF THE IMPLICATIONS OF SYRIAN CRISIS IN TURKEY FROM A DISASTER MANAGEMENT PERSPECTIVE, Postgraduate, Ö.MİŞE(Student), 2019

ŞENOL BALABAN M., The role of festivals in urban identity: A study on the relationship between perception and experience of place; case of Şeb-i Arus, Postgraduate, Ç.FINDIKLAR(Student), 2017

Başbuğ Erkan B. B., Şenol Balaban M., The effect of disasters on development: Van and Bingol case studies, Postgraduate, T.Gül(Student), 2014

Contractual Researches

1. Şenol Balaban M., ARUP, Risk and Vulnerability Assessment within the Scope of Manisa and Adana Provinces Sustainable Energy and Climate Action Plans (SECAP), 2022 - 2022
2. Şenol Balaban M., Uluç A., Özgür B., Ministry of Interior, Disaster and Emergency Management Authority, Updating Guidelines for Provincial Risk Reduction Plan Preparation by Pilot Implementation Project, 2019 - 2019

Activities in Scientific Journals

Resilience, First Editor, 2022 - Continues

Memberships / Tasks in Scientific Organizations

Union of Healthy Cities, Member of Advisory Board, 2024 - Continues, Turkey

ULAKBİM TR Dizin Komite Üyeliği, Member, 2024 - Continues, Turkey

Hyropolitics Association, Member, 2024 - Continues, Turkey

Earthquake Engineering Association of Turkey, Member, 2024 - Continues, Turkey

JICA Association, Member, 2024 - Continues, Turkey

The Turkish Japanese Foundation, Member of the Board of Trustees, 2022 - Continues, Turkey

Member, 2021 - Continues, Turkey

ESTÜ Yer ve Uzak Bilimleri Enstitüsü Dış Danışma Kurulu Üyesi, Member, 2021 - Continues, Turkey

Member of Advisory Board, 2021 - Continues, Turkey

Peer Reviews in Scientific Publications

Türk deprem araştırma dergisi (Online), National Scientific Refreed Journal, March 2022

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, February 2022

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

Journal of Multidisciplinary Research in Sustainability, Journal Indexed in ESCI, April 2021

Handbook of Flood Risk Management in Developing Countries (Proverbs et al), Scientific / Professional Book Published by Renowned Publishing Houses, September 2020

Resilience, Other Journals, July 2020

Resilience, Other Journals, December 2019

DISASTERS, Journal Indexed in SSCI, August 2019

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, Journal Indexed in AHCI, March 2019

Scientific Project Refereeing

Technopark, September 2024

TUBITAK Project, 2237 - Program for Supporting Project Training Activities, September 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, August 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, July 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, June 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, April 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, March 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023

Technopark, May 2023

Technopark, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, May 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, January 2022

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, January 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, October 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, October 2021

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, July 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, June 2021

TUBITAK Project, 1002 - Quick Support Program, March 2021

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, November 2020

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, April 2019

CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, September 2018

Scientific Consultations

UN DRR, Scientific Consultancy, Middle East Technical University, Faculty Of Architecture, Department Of City And Regional Planning, Turkey, 2022 - 2022

İç İşleri Bakanlığı Ankara İl AFAD Müdürlüğü, Scientific Consultancy, Middle East Technical University, Faculty of Architecture, Department of City and Regional Planning, Turkey, 2021 - 2021

Tasks In Event Organizations

Şenol Balaban M., Askan Gündoğan A., Tün M., Güven İ. T., Kundak S., Ütük A., Buluş Kırıkkaya E., Tuğaç Ç., Çabuk A., Sertçelik F., 6. International Resilience Congress: Sustainable Resilient Future, Scientific Congress, Ankara, Turkey, Aralık 2024

Şenol Balaban M., The 9th Conference on Urban Studies, under the theme of Resilient Cities and Communities, Scientific Congress, Ankara, Turkey, Kasım 2024

Şenol Balaban M., 8 Kasım Dünya Şehircilik Günü 48. Kolokyumu: "Yıkım, Yaşam, Şehircilik", Scientific Congress, Antalya, Turkey, Kasım 2024

Şenol Balaban M., Eryılmaz M., Triage in Terms of Different Professional Disciplines, Scientific Congress, Ankara, Turkey, Ağustos 2024

Şenol Balaban M., Towards Healthy, Safe, Resilient Cities across Türkiye, Scientific Congress, Ankara, Turkey, Haziran

2024

Şenol Balaban M., Askan Gündoğan A., Yalçın A. C., Pekcan O., J-RAPID - WS on support and utilization of digital archives related to the Kahramanmaraş (southeast of Türkiye) earthquake, Workshop Organization, Ankara, Turkey, Mart 2024

Şenol Balaban M., Erberik M. A., Kestel A. S., Özdemir Yıldırım Ö., Özacar A. A., Rittersberger H. İ., Ay B. Ö., Disaster Risk Management 26th Round Table Meeting, Scientific Congress, Ankara, Turkey, Şubat 2024

Şenol Balaban M., Huvaj Sarıhan N., Gökmen Erdoğan B., CLIMATE CHANGE & CULTURAL HERITAGE WORKSHOP IN ISTANBUL, Workshop Organization, İstanbul, Turkey, Şubat 2024

Şenol Balaban M., Huvaj Sarıhan N., Gökmen Erdoğan B., International Training on Climate Change Risks of Cultural Heritage, Workshop Organization, İstanbul, Turkey, Şubat 2024

Şenol Balaban M., The Course on utilization of space technology for DRR-Sentinel Asia, Workshop Organization, Ankara, Turkey, Aralık 2023

Şenol Balaban M., 6th Building Congress, Scientific Congress, Eskişehir, Turkey, Aralık 2023

Şenol Balaban M., 5th International Disaster and Resilience Congress, Scientific Congress, Kocaeli, Turkey, Ekim 2023

Şenol Balaban M., Erberik M. A., Kestel A. S., Özdemir Yıldırım Ö., Özacar A. A., Rittersberger H. İ., Ay B. Ö., Disaster Risk Management 25th Round Table Meeting, Scientific Congress, Ankara, Turkey, Mayıs 2023

Rittersberger H. İ., Şenol Balaban M., Türkiye'nin Afet Risk Yönetimi 25. Yuvarlak Masa Toplantısı, Scientific Congress, Turkey, Mayıs 2023

Şenol Balaban M., Tün M., 4. Uluslararası Afet ve Dirençlilik Kongresi: İklim Değişikliği ve Güvenli Kentler, Scientific Congress, Eskişehir, Turkey, Ekim 2022

Şenol Balaban M., Kestel A. S., Rittersberger H. İ., Özdemir Yıldırım Ö., Erberik M. A., Ay B. Ö., Özacar A. A., Disaster Risk Management 24th Round Table Meeting, Scientific Congress, Ankara, Turkey, Mart 2022

Huvaj Sarıhan N., Şenol Balaban M., Doğulu C., Deniz D., Manzella I., AFET DAYANIKLILIĞINDA SOSYAL MEDYA VE DİJİTAL TEKNOLOJİLERİN ROLÜ ÇALIŞTAYI, Workshop Organization, Ankara, Turkey, Ekim 2021

Şenol Balaban M., 3. International Disaster and Resilience Congress: Climate Change and Local Resilience, Scientific Congress, Ankara, Turkey, Ekim 2021

Şenol Balaban M., TANYER A. M., 5. Yapı Kongresi, Scientific Congress, Ankara, Turkey, Eylül 2021

Şenol Balaban M., Ay B. Ö., Özdemir Ö., Rittersberger H. İ., Erberik M. A., Kestel A. S., Özacar A. A., Disaster Risk Management 23rd Round Table Meeting, Scientific Congress, Ankara, Turkey, Şubat 2021

Şenol Balaban M., Dünya Şehircilik Günü 44. Kolokyumu, Scientific Congress, Ankara, Turkey, Kasım 2020

Şenol Balaban M., 2. Uluslararası Afet ve Dirençlilik Kongresi: Metropolitan Kentlerin Dirençliliği, Scientific Congress, Ankara, Turkey, Ekim 2020

Şenol Balaban M., Erberik M. A., Özdemir Ö., Özacar A. A., Ay B. Ö., Afet Risk Yönetimi 22. Yuvarlak Masa Toplantısı, Scientific Congress, Ankara, Turkey, Şubat 2020

Şenol Balaban M., The 5th International Conference on Earthquake Engineering and Seismology (5ICEES), Scientific Congress, Ankara, Turkey, Ekim 2019

Şenol Balaban M., International Disaster and Resilience Congress, Scientific Congress, Eskişehir, Turkey, Haziran 2019

Şenol Balaban M., Afet Risk Yönetimi 21. Yuvarlak Masa Toplantısı, Scientific Congress, Ankara, Turkey, Şubat 2019

Metrics

Publication: 43

Citation (WoS): 24

Citation (Scopus): 14

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

Kültürel Miras Alanlarında Afet Risk Azaltma (CHARM) Stratejileri Çalıştayı, Panelists, Ankara, Turkey, 2024
Towards Healthy, Safe, Resilient Cities Across Türkiye, Panelists, Ankara, Turkey, 2024
76. Jeoloji Kurultayı, Invited Speaker, Ankara, Turkey, 2024
International Training & Workshop on Climate Change Risks of Cultural Heritage, Panelists, İstanbul, Turkey, 2024
Çankaya Municipality International Disaster Management Panel, Invited Speaker, Ankara, Turkey, 2023
8 KASIM DÜNYA ŞEHİRCİLİK GÜNÜ 47. KOLOKYUMU: Yeni Yüzyılda Planlama, Moderator, Ankara, Turkey, 2023
19. TÜRKİYE HARİTA BİLİMSEL VE TEKNİK KURULTAYI, Panelists, Ankara, Turkey, 2023
Collaborative Analysis of Flooding Events with Processing of Earth Observation Datasets Workshop and Lectures, Panelists, İstanbul, Turkey, 2023
Kentleşme ve Yeni Bir Yerel Yönetim Tartışması, Invited Speaker, Ankara, Turkey, 2023
CARRRE.ORG: Turkey and Syria after the Earthquakes Panel 2, Moderator, Ankara, Turkey, 2023
4. International Disaster and Resilience Congress: Climate Change and Safe Cities, Invited Speaker, Eskişehir, Turkey, 2022
Disaster Symposium - 2022, Invited Speaker, Ankara, Turkey, 2022
74. Geology Convention, Invited Speaker, Ankara, Turkey, 2022
3. International Disaster and Resilience Congress - Climate Change and Local Resiliency, Invited Speaker, Ankara, Turkey, 2021
Turkish Grand National Assembly 27th Term - Earthquake Research Commission - Online, Invited Speaker, Ankara, Turkey, 2021
Disaster Risk Reduction and Earthquake Workshop, Invited Speaker, Ankara, Turkey, 2020
Session Moderator, Ankara, Turkey, 2020
2. International Disaster and Resilience Congress (Online): Resiliency of Metropolitan Cities, Invited Speaker, Ankara, Turkey, 2020
İstanbul Earthquake Workshop, Invited Speaker, Ankara, Turkey, 2019
The Asian Conference on Disaster Reduction, Invited Speaker, Ankara, Turkey, 2019

Invited Talks

Towards Healthy, Safe, Resilient Cities Across Türkiye, Workshop, UCL THE BARTLETT SCHOOL, Turkey, June 2024
Disaster Risk Management in Türkiye with comparison of Japan Case, Seminar, Türk Japon Vakfı, Turkey, March 2024
Resilient Cities, Planning for new approaches(after 6 February 2024 EQs) , Seminar, Abdullah Gül Üniversitesi, Turkey, March 2024
Uluslararası Afet Yönetimi, Seminar, Çankaya Belediyesi, Turkey, December 2023
Cumhuriyetin 100. yılında Başkent Ankara, Seminar, TMMOB Ankar İl Koordinasyon Kurulu, Turkey, October 2023
Collaborative Analysis of Flooding Events with Processing of Earth Observation Datasets Workshop and Lectures, Workshop, ISPRS Educational and Capacity Initiatives, Turkey, October 2023
5. EDİRNE AÇIKHAVA AMFİSİ GELECEĞİN MİMARLARINI YETİŞTİRİYOR KÜLTÜR MİRASI ÇALIŞTAYI , Workshop, Trakya Üniversitesi, Turkey, October 2023
Kentleşme ve Yeni Bir Yerel Yönetim Tartışması Semineri: Afet Yönetimi ve Yerel Yönetimler, Seminar, Çankaya Kent Konseyi, Turkey, September 2023
Türkiye'nin Afetlere Dayanıklı Bir Ülke Haline Gelmesi Paneli, Seminar, Turkish Japanese Foundation, Turkey, August 2023
Afetlere Dirençli Kentler veK. Maraş İncelemesi, Seminar, ŞPO 11. Yaz Kampı, Turkey, July 2023
Afetler ve Değişim, Seminar, Bursa Büyükşehir Belediyesi UNESCO Bursa Alan Başkanlığı, Turkey, June 2023
6 Şubat'tan Dirençli Çıkmak, Seminar, Bilim Akademisi, Turkey, April 2023
"Risk Management and Flood Risks" Seminar at the "İzmir at the Intersection of Heritage and Climate" Online Event, Seminar, İzmir Historic Port City Area Presidency and İzmir Metropolitan Municipality UNESCO Communication and Coordination Office, Turkey, April 2022
Emre Madran'ın İzinde: "Edep Ya Hu" Buluşmaları - 8, Seminar, Mimarlar Odası Ankara Şubesi, Turkey, September 2021
'Küyerel Afet Dinamikleri' /'Artan Riskler ve Kırılğan Kentler' , Seminar, Afet Araştırmaları Derneği, Turkey, August 2021

"2021 Turkey Disaster Education Year Findings and Suggestions" / Disaster Management and Resilient Cities, Seminar, TMMOB Chambers of Civil Engineers, Turkey, April 2021
"We Need Cities That Are Resistant Against Disasters! What (should) we do? " / Disaster Sensitive/Resilient Settlements, Seminar, İzmir Chambers of City Planners, Turkey, March 2021
Sıcak Nokta Programı - Küresel ısınmanın etkileri, Seminar, TRT Haber , Turkey, December 2020
Meteorological Disasters in Cities, Flood Risk Management, Seminar, Özel Kalem TV, Turkey, September 2020
Kahramanmaraş Local DRR Plans Launching Meeting, Seminar, Ministry of Interior, Disaster and Emergency Management Presidency , Turkey, August 2020
Emre Madran'ın İzinde: "Edep Ya Hu" Buluşmaları - 6, Seminar, Mimarlar Odası Ankara Şubesi, Turkey, September 2019

Research Areas

Disaster Management, Meteorological Disasters, Architecture, City and Regional Planning, Urban Planning and Development, Engineering and Technology

Non Academic Experience

GFZ German Research Centre For Geosciences, Stajer