

Asst. Prof. MURAT AYHAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-1895-2019

ScopusID: 55037014500

Yoksis Researcher ID: 139060

Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2012 - 2019

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2009 - 2012

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2005 - 2009

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, DEVELOPMENT OF DISPUTE PREDICTION AND RESOLUTION METHOD SELECTION MODELS FOR CONSTRUCTION DISPUTES, Middle East Technical University, Türk Halk Bilimi, Toplumsal Uygulamalar, 2019

Postgraduate, A MODEL-BASED GUIDANCE AND VULNERABILITY ASSESSMENT APPROACH FOR FACILITIES UNDER THE THREAT OF MULTI-HAZARD EMERGENCIES, Middle East Technical University, Türk Halk Bilimi, Toplumsal Uygulamalar, 2012

Research Areas

Building Management, Informatics in Construction Management, Construction Management

Academic Titles / Tasks

Assistant Professor, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2022

Academic and Administrative Experience

Deputy Head of Department, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Continues

Courses

Technical Drawing for Civil Engineering, Undergraduate, 2022 - 2023, 2021 - 2022

Technical Drawing for Civil Engineering, Undergraduate, 2022 - 2023, 2021 - 2022

Construction Management and Technology, Undergraduate, 2022 - 2023

Introduction to Civil Engineering, Undergraduate, 2022 - 2023, 2021 - 2022

Computer Programming, Undergraduate, 2020 - 2021, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of RC structure damages after February 6, 2023, Kahramanmaraş earthquake in the Hatay region**
DOĞAN T. P., KALKAN H., ALDEMİR Ö., AYHAN M., BÖCEK M., ANIL Ö.
Bulletin of Earthquake Engineering, vol.22, no.10, pp.5201-5229, 2024 (SCI-Expanded)
- II. **Classifying Compensations in Construction Disputes Using Machine Learning Techniques**
Ayhan M., Dikmen Toker İ., Birgönül M. T.
JOURNAL OF ENGINEERING RESEARCH, vol.11, no.1B, pp.101-110, 2023 (SCI-Expanded)
- III. **Comparing Performances of Machine Learning Techniques to Forecast Dispute Resolutions**
Ayhan M., Dikmen I., Birgonul M. T.
TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, vol.33, no.5, pp.12577-12600, 2022 (SCI-Expanded)
- IV. **Predicting the Occurrence of Construction Disputes Using Machine Learning Techniques**
Ayhan M., Dikmen I., Talat Birgonul M.
JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT - ASCE, vol.147, no.4, pp.1-15, 2021 (SCI-Expanded)
- V. **Strain distribution between CFRP strip and concrete at strengthened RC beam against shear**
ANIL Ö., Bulut N., AYHAN M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.41, no.4, pp.509-525, 2012 (SCI-Expanded)

Books & Book Chapters

- I. **Impacts of Remote Working on Productivity of Civil Engineers during the COVID-19 Pandemic**
Tepe A., Aykaç B., Ayhan M.
in: Current Debates and Researches in Science and Engineering 5 , ÇOĞUN Hikmet Y., PARLAR İshak, Editor, BİLGİN Kültür Sanat Yayınları, Ankara, pp.192-203, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Impacts of Remote Working on Productivity of Civil Engineers during the COVID-19 Pandemic**
Tepe A., Aykaç B., Ayhan M.
2nd International Congress on Multidisciplinary Natural Sciences and Engineering, Ankara, Turkey, 01 December 2022, pp.192-203
- II. **İnşaat Sözleşmelerinde Ortaya Çıkması Olası Uyuşmazlıkların Tahmin Edilmesi Üzerine Alternatif Bir Yaklaşım**
Ayhan M., Birgönül M. T., Dikmen Toker İ.

4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.1055-1066

III. Representation of Topological Building Information for Creating Shortest Evacuation Paths during Building Emergencies

Güven Işın G., Ayhan M., Ergen Pehlevan E., Tuna S., Kurç Ö., Erberik M. A., Birgönül M. T.

10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012, pp.1-10

IV. Bina İçi Yönlendirme Sistemlerinde Kullanılan En Kısa Yol Algoritmalarının Afet ve Acil Durum Yönetimi Açısından Değerlendirilmesi

Ayhan M., Ergen S., Güven Işın G., Ergen Pehlevan E., Erberik M. A., Kurç Ö., Birgönül M. T.

2. Proje ve Yapım Yönetimi Kongresi, İzmir, Turkey, 13 - 16 September 2012, pp.329-340

V. Requirements of Indoor Navigation During Emergency Response and Disaster Management

Ayhan M., Güven Işın G., Ergen Pehlevan E., Erberik M. A., Kurç Ö., Birgönül M. T.

XXXVIII IAHS World Congress on Housing, İstanbul, Turkey, 16 - 19 April 2012, pp.45-51

Supported Projects

Birgönül M. T., Ergen Pehlevan E., Erberik M. A., Dikmen Toker İ., Kurç Ö., TUBITAK Project, Binalarda Çeşitli Tehlikelerin Yarattığı Acil Durumlar için Eş Zamanlı Hasar Tesbit, Yerel Tahliye, Yönlendirme ve Yönetim Modeli, 2010 - 2012

Scientific Refereeing

IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, SCI Journal, November 2022

Metrics

Publication: 11

Citation (WoS): 6

Citation (Scopus): 47

H-Index (WoS): 1

H-Index (Scopus): 3

Non Academic Experience

Company, Ertaş Construction Company, Civil Engineering

Ertay Muhendislik