

## Prof. MÜRSEL ERDAL

### Personal Information

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**Address:** Gazi Üniversitesi, Teknoloji Fakültesi, İnşaat Mühendisliği Bölümü, 06500 Teknikokullar/ANKARA

### International Researcher IDs

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Publons / Web Of Science ResearcherID: N-1530-2015

ScopusID: 12795023300

Yoksis Researcher ID: 52699

### Education Information

Undergraduate, Kirikkale University, Turkey 2022 - 2023

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Construction Education (Ph.D), Turkey 2002 - 2007

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Construction Education (Ms.C), Turkey 1999 - 2002

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi, Turkey 1994 - 1999

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Occupational Health and Safety, İş Sağlığı ve Güvenliğinin Geliştirilmesi Hibe Programı - Proje Ön Teklif Hazırlama Eğitimi, AB ve Mali Yardımlar Daire Başkanlığı, 2019

Quality Management, TS EN ISO 9001:2015 Risk Tabanlı Proses Yönetimi Eğitimi, SASTEK AŞ., 2017

Quality Management, ISO 19011:2012 Kalite ve Çevre Yönetimi Sistemi İç Tetkik Eğitimi, SASTEK AŞ., 2017

Quality Management, ISO 9001:2015 Kalite Yönetim Sistemi Temel Eğitimi, SASTEK AŞ., 2016

Foreign Language, Gazi University Special English Program , University of Florida, English Language Institute, 2016

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2012

Renewable Energy Sources, Binalarda Enerji Verimliliği, Enerji Verimliliği Daire Başkanlığı, 2011

Vocational Course, Uygulamalı Metraj ve Yaklaşık Maliyet Kursu, AMP YAZILIM, 2011

Sustainable Energy Resources, GaBi practitioner, LCA Training and EPD Training, PE INTERNATIONAL, 2008

Sustainable Energy Resources, LLP-LDV-VETPRO-07-TR-0021 / Examination of Life Cycle Assessment Method in the context of the Environmental Impacts of Construction Materials , PE INTERNATIONAL, 2008

## Dissertations

Doctorate, Scheduling of a construction project under constrained-resources condition with genetic algorithm, Gazi University, Fen Bilimleri Enstitüsü, Construction Education (Ph.D), 2007

Postgraduate, Determination of compressive strength of concrete by some non-destructive test methods, Gazi University, Fen Bilimleri Enstitüsü, Construction Education (M.Sc.), 2002

## Research Areas

Civil Engineering, Building Management, Construction Management, Engineering and Technology

## Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2011 - 2018

Research Assistant PhD, Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi, 2007 - 2011

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Yapı Eğitimi, 2000 - 2007

## Academic and Administrative Experience

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2022 - Continues

Bölüm Stratejik Plan Komisyonu Başkanı, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2022 - 2023

Bölüm Kalite Komisyonu Başkanı, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2011 - 2021

Fakülte Kurulu Üyesi, Gazi University, Teknoloji Fakültesi, 2019 - 2019

Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - 2017

Erasmus Program Department Coordinator, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2012 - 2015

## Courses

İŞYERİ EĞİTİMİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

YAPI YÖNETİM PROJESİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

YAPI İŞLETMESİ, Undergraduate, 2021 - 2022

YAPI MALİYETİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İHALE STRATEJİLERİ, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017

İNŞAAT SÖZLEŞMELERİNİN YÖNETİMİ, Postgraduate, 2017 - 2018, 2016 - 2017

MEZUNİYET PROJESİ, Undergraduate, 2017 - 2018

İNŞAAT PROJELERİNİN PLANLANMASI VE KONTROLÜ, Postgraduate, 2017 - 2018

YAPI MEVZUATI, Undergraduate, 2017 - 2018, 2016 - 2017

KALİTE VE GÜVENİLİRLİK, Undergraduate, 2016 - 2017

## Advising Theses

Erdal M., Çok Kriterli Karar Verme Yöntemleri Kullanılarak Ruh ve Sinir Hastalıkları Hastanesi İçin Yer Seçimi, Postgraduate, A.GÜVENİR(Student), 2024

Erdal M., Eğitim Yapılarının Maliyetlerinin Ön Tahmini İçin Bir Yöntem Önerisi, Doctorate, R.ŞİRZAD(Student), 2023

Erdal M., Developing a model for measuring occupational health and safety risk assessment performances in work at height in construction works, Doctorate, A.KORKUT(Student), 2023

Erdal M., A METHOD PROPOSAL FOR EARLY ESTIMATION OF MAINTENANCE-REPAIR COSTS IN PUBLIC SERVICE BUILDINGS , Postgraduate, T.SARIKOÇ(Student), 2022

Erdal M., A Model Proposal for Early Estimation of Sewer Pipeline Construction Costs, Doctorate, M.SUERİ(Student), 2022

Erdal M., Progress Payments Application And Problems Encountered And Solution Offers In Construction Works Within The Scope Of Public Procurement Law, Postgraduate, F.BURAK(Student), 2019

Erdal M., Preparing Bid With Parametric Method For Construction Tender Within The Public Procurement Law, Postgraduate, F.NALÇACI(Student), 2019

Erdal M., Problems And Solution Proposal Related To Abnormally Low Tenders In Construction Works Procurements, Postgraduate, M.KOÇER(Student), 2019

Erdal M., Assessment of the effect of occupational health and safety practises on the cost of construction projects, Doctorate, U.YÜKSEKOVA(Student), 2019

Erdal M., Comparison Of Public Procurement Legislation And Fıdic Specifications In The Context Of The Tender Documents For The Construction Works, Postgraduate, S.ÖZEK(Student), 2019

Erdal M., Location Selection And Project Designing Of Penitentiary Institutions By Using Multi Criteria Decision Making Methods, Postgraduate, A.KAŞAK(Student), 2019

Erdal M., An Alternative Method Proposal For Selection Of Contractor In Public Works Procurement, Doctorate, İ.ÖZYÜREK(Student), 2018

Erdal M., Urban Transformation Studies And Cost Analysis For The Risky Building Stock In Turkey: A Case Study, Postgraduate, E.EKİNCİ(Student), 2018

Erdal M., Evaluation Of Penitentiary Institutions Projects By Cost-Effectiveness Analysis, Postgraduate, T.MANAV(Student), 2017

Erdal M., Estimating Sewer Line Costs With Artificial Neural Networks, Postgraduate, M.SUERİ(Student), 2016

Erdal M., Calculation of heat loss according to fuel types in buildings and its comparative cost analysis, Postgraduate, Y.KARAAHMETOĞLU(Student), 2013

## **Jury Memberships**

Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2024

Doctoral Examination, Doctoral Examination, Düzce Üniversitesi, May, 2024

Doctoral Examination, Doctoral Examination, Düzce Üniversitesi, May, 2024

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2024

Post Graduate, Post Graduate, Gazi Üniversitesi, December, 2023

Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2023

Doctoral Examination, Doctoral Examination, Konya Teknik Üniversitesi, November, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İstanbul Gelişim Üniversitesi, October, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2023

Post Graduate, Post Graduate, Gazi Üniversitesi, August, 2023

Doctorate, Doctorate, Gazi Üniversitesi, July, 2023

Post Graduate, Post Graduate, Düzce Üniversitesi, July, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Konya Teknik Üniversitesi, July, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2023

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2023

Doctorate, Doctorate, Gazi Üniversitesi, January, 2023  
Post Graduate, Post Graduate, Düzce Üniversitesi, November, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2022  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Ege Üniversitesi, September, 2022  
Post Graduate, Post Graduate, Düzce Üniversitesi, June, 2022  
Post Graduate, Post Graduate, Gazi Üniversitesi, May, 2022  
Post Graduate, Post Graduate, Gazi Üniversitesi, May, 2022  
Post Graduate, Post Graduate, Düzce Üniversitesi, April, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2022  
Doctorate, Doctorate, Gazi Üniversitesi, February, 2022  
Academic Staff Examination, Academic Staff Examination, Milli Savunma Üniversitesi, February, 2022  
Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2022  
Doctorate, Doctorate, Gazi Üniversitesi, December, 2021  
Post Graduate, Post Graduate, Konya Teknik Üniversitesi, December, 2021  
Post Graduate, Post Graduate, Gazi Üniversitesi, December, 2021  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, September, 2021  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Erciyes Üniversitesi, April, 2021  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Eskişehir Teknik Üniversitesi, November, 2020  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, November, 2020  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2020  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, August, 2020  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Giresun Üniversitesi, August, 2020  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi Üniversitesi, July, 2020  
Doctorate, Doctorate, Gazi Üniversitesi, July, 2020  
Academic Staff Examination, Academic Staff Examination, Gazi Üniversitesi, March, 2020  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2020  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, February, 2020  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, October, 2019  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, September, 2019  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Doğu Akdeniz Üniversitesi, July, 2019  
Post Graduate, Post Graduate, Düzce Üniversitesi, May, 2019  
Post Graduate, Post Graduate, Gazi Üniversitesi, May, 2019  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, March, 2019  
Academic Staff Examination, Academic Staff Examination, Gazi Üniversitesi, June, 2017  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2016  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2015  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Mardin Artuklu Üniversitesi, November, 2013

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. Solution Proposals based on Fuzzy AHP-TOPSIS Hybrid Model to the Problems in Public Works**

## **Procurement in Turkey**

Özyürek İ., Erdal M.

TURKISH JOURNAL OF CIVIL ENGINEERING, vol.34, no.1, pp.153-165, 2023 (SCI-Expanded)

- II. **Scheduling of Construction Projects under Resource-Constrained Conditions with a Specifically Developed Software using Genetic Algorithms**  
Erdal M., Kanit R.  
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.28, no.4, pp.1362-1370, 2021 (SCI-Expanded)
- III. **Enhanced Predictive Models for Construction Costs: A Case Study of Turkish Mass Housing Sector**  
Ugur L. O., Kanit R., Erdal H., Namlı E., Erdal H. I., Baykan U. N., Erdal M.  
COMPUTATIONAL ECONOMICS, vol.53, pp.1403-1419, 2019 (SCI-Expanded)
- IV. **Prediction of concrete compressive strength using non-destructive test results**  
Erdal H., ERDAL M., ŞİMŞEK O., Erdal H. I.  
COMPUTERS AND CONCRETE, vol.21, no.4, pp.407-417, 2018 (SCI-Expanded)
- V. **FUZZY LOGIC MODEL FOR PREDICTION OF COMPRESSIVE STRENGTH OF CONCRETE BY USE OF NON-DESTRUCTIVE TEST RESULTS**  
Baykan U. N., ERDAL M., Ugur L. O.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.47, no.1, pp.54-59, 2017 (SCI-Expanded)
- VI. **Assessing the experimental behaviour of load bearing masonry walls subjected to out-of-plane loading**  
Kanit R., ERDAL M., Can O.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.21, pp.3336-3344, 2010 (SCI-Expanded)
- VII. **Improving out-of-plane strength and ductility of unreinforced masonry walls in low-rise buildings by centrally applied FRP strip**  
ERDAL M.  
INTERNATIONAL JOURNAL OF PHYSICAL SCIENCES, vol.5, no.2, pp.116-131, 2010 (SCI-Expanded)
- VIII. **Prediction of the compressive strength of vacuum processed concretes using artificial neural network and regression techniques**  
ERDAL M.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.4, no.10, pp.1057-1065, 2009 (SCI-Expanded)
- IX. **Effects of super plasticizer and curing conditions on properties of concrete with and without fiber**  
ARUNTAŞ H. Y., Cemalgil S., ŞİMŞEK O., DURMUŞ G., ERDAL M.  
MATERIALS LETTERS, vol.62, no.19, pp.3441-3443, 2008 (SCI-Expanded)
- X. **The effect of silica fume usage to the flexural strength of concrete reinforced with steel fibres Silis dumaninin çelik lifli betonun eğilme dayanımına etkisi**  
Şimşek O., Erdal M., Sancak E.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.20, no.2, pp.211-215, 2005 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Doğal Gaz Boru Hattı İnşaatı Maliyetlerinin Çoklu Doğrusal Regresyon ve K-En Yakın Komşuluk Yöntemleri İle Tahmini**  
Çakmak C., Erdal M.  
Black Sea Journal of Engineering and Science, vol.7, no.6, pp.1327-1337, 2024 (Peer-Reviewed Journal)
- II. **Risky Building Detection Process in Scope of Law on Transformation of Areas under Disaster Risk, Incentives and Cost Analysis: A Case Study**  
Çakmak C., Erdal M., Ekinci E.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.26, no.4, pp.1431-1439, 2023 (ESCI)
- III. **İnşaat Sektöründe Risk Değerlendirmesinin İş Kazalarına Etkisi ve Risk Değerlendirmesi**

## **Performansının Ölçülmesi İçin Metodolojisi Önerisi**

Korkut A. E., Erdal M.

Çalışma İlişkileri Dergisi, vol.14, no.2, pp.16-32, 2023 (Peer-Reviewed Journal)

- IV. **Crisp and fuzzy appraisal of tenderer's qualifications in public works procurement in Turkey**  
Özyörek İ., Erdal M.  
JOURNAL OF PUBLIC PROCUREMENT, vol.23, no.1, pp.78-99, 2023 (ESCI)
- V. **Early Estimation of Sewerage Line Costs with Regression Analysis**  
Sueri M., Erdal M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.35, no.3, pp.822-832, 2022 (ESCI)
- VI. **Konut Yapılarının Maliyet Tahmininde Kullanılan Yöntemlerin Performans Analizi**  
Özmaden M. Ş., Erdal M.  
Konya Mühendislik Bilimleri Dergisi, vol.8, no.4, pp.970-985, 2020 (Peer-Reviewed Journal)
- VII. **MOORA çok kriterli karar verme yöntemi ile ceza infaz kurumu için yer seçimi: Sivas ili örneği**  
Kaşak A. E., Erdal M.  
Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.2, no.1, pp.25-33, 2019 (Peer-Reviewed Journal)
- VIII. **Çatı kaplama malzemesi seçiminde VIKOR çok kriterli karar verme yönteminin uygulanması**  
Uğur L. O., Erdal M., Üçkardeşler A.  
İleri Teknoloji Bilimleri Dergisi, vol.7, no.2, pp.117-130, 2018 (Peer-Reviewed Journal)
- IX. **Assessment of Qualification Criteria Described in Public Procurement Law Code 4734 in Construction Works by Analytic Hierarchy Process (AHP)**  
Özyürek İ., Erdal M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.437-454, 2018 (Peer-Reviewed Journal)
- X. **Ceza infaz kurumu projelerinin maliyet-etkililik analizi ile değerlendirilmesi**  
Manav T., Erdal M.  
TÜBAV Bilim Dergisi, vol.10, no.3, pp.21-27, 2017 (Peer-Reviewed Journal)
- XI. **Effect of different seismic zones on rough building cost**  
Uğur L. O., Erdal M., Tuncay N.  
Journal of Current Construction Issues, vol.2, pp.253-259, 2017 (Peer-Reviewed Journal)
- XII. **Determination of The Factors Effecting The Tender Price by way of Artificial Neural Networks and Linear Regression Analyses in order to Utilize Maintenance and Repair Funds More Effectively**  
Yılmaz M., Kanit R., Erdal M., Yıldız S., Bakis A.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, no.4, pp.461-470, 2016 (ESCI)
- XIII. **Investigation of Usability of Ahlat Stone (Ignimbrite) Waste as Stone Powder in Concrete**  
Erdal M., Şimşek O.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.14, no.3, pp.173-177, 2011 (ESCI)
- XIV. **Uçucu kül ikameli betonların mühendislik özelliklerinin tahribatsız test yöntemleriyle belirlenmesi**  
Subaşı S., Çullu M., Bolat H., Emiroğlu M., Erdal M.  
e-Journal of New World Sciences Academy, Engineering Sciences, vol.5, no.3, pp.494-506, 2010 (Peer-Reviewed Journal)
- XV. **Yapı projelerinin genetik algoritma ile programlanması**  
Kanit R., Erdal M.  
e-Journal of New World Sciences Academy, Technological Applied Sciences, vol.4, no.2, pp.77-97, 2009 (Peer-Reviewed Journal)
- XVI. **Increase of the Irrigation Productivity of the Kirsehir-Kultepe Irrigation System**  
Kanit R., Erdal M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.12, no.3, pp.207-219, 2009 (ESCI)
- XVII. **FIDIC İnşaat İşleri Genel Şartnamesi'nde Sorumluluk ve Risklerin İşveren, Mühendis ve Yükleniciye Dağılımının İnşaat Süresine Etkisi**  
Uğur L. O., Erdal M.  
Selçuk-Teknik Dergisi, vol.7, no.1, pp.18-33, 2008 (Peer-Reviewed Journal)
- XVIII. **Bims agregası ile üretilen silis dumanı katkılı taşıyıcı hafif betonların konut üretiminde**

### **kullanılabilirliğinin araştırılması**

Şimşek O., Sancak E., Erdal M., Bolat H.

e-Journal of New World Sciences Academy, Natural and Applied Sciences, vol.2, no.4, pp.295-304, 2007 (Peer-Reviewed Journal)

- XIX. **FIDIC İnşaat İşleri Genel Şartnamesi'nde Sorumluluk ve Risk Dağılımının Proje Maliyetine Etkisi**  
Uğur L. O., Baykan U. N., Erdal M.  
Selçuk-Teknik Dergisi, vol.5, no.3, pp.111-132, 2006 (Peer-Reviewed Journal)
- XX. **Yapım İşleri Genel Şartnamesi'nde İşveren ve Yüklenicinin Sorumluluk Paylaşımının Proje Maliyetine Etkisi**  
Uğur L. O., Erdal M., Baykan U. N.  
Selçuk-Teknik Dergisi, vol.5, no.3, pp.133-149, 2006 (Peer-Reviewed Journal)
- XXI. **Investigation of the performance of some non-destructive tests on the determination of compressive strength of vacuum-processed concrete Bazi tahribatsız deney metotlarının vakum uygulanmış betonların basınç dayanımlarının BELİrlenmesindeki performanslarının İncelenmesi**  
Erdal M., Şimşek O.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.21, no.1, pp.65-73, 2006 (Scopus)
- XXII. **Yapı projelerinin programlanmasında öncelik kuralları performansları**  
Özkan Ö., Erdal M., Baykan U. N.  
Selçuk-Teknik Dergisi, vol.5, no.1, pp.10-18, 2006 (Peer-Reviewed Journal)
- XXIII. **Farklı deprem bölgeleri ve farklı zemin sınıflarının kaba yapı maliyetine etkisi**  
Dorum A., Özkan Ö., Erdal M.  
Selçuk-Teknik Dergisi, vol.5, no.1, pp.1-9, 2006 (Peer-Reviewed Journal)
- XXIV. **Project scheduling by a heuristic algorithm under limited resource in the construction investments**  
Dorum A., Özkan Ö., Erdal M.  
Selçuk-Teknik Dergisi, vol.4, no.2, pp.73-95, 2005 (Peer-Reviewed Journal)
- XXV. **Examination of the Performances of Priority Rules in Construction Investments**  
Kanit R., Özkan Ö., Erdal M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.8, no.1, pp.101-109, 2005 (Peer-Reviewed Journal)
- XXVI. **Investigation of the Effects of Constrained Source Conditions on the Structure Cost**  
Kanit R., Baykan U. N., ERDAL M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.8, no.2, pp.209-221, 2005 (ESCI)
- XXVII. **Ahlat Taşının (İgnimbrit) Bazı Mekanik ve Fiziksel Özelliklerinin Araştırılması**  
Şimşek O., Erdal M.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.17, no.4, pp.71-78, 2004 (Peer-Reviewed Journal)
- XXVIII. **Vibrasyon süresinin betonun basınç dayanımına ve birim ağırlığına etkisi**  
Şimşek O., Bektaş S., Erdal M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.5, no.2, pp.185-193, 2002 (Peer-Reviewed Journal)

### **Books & Book Chapters**

- I. **Location Selection for Penitentiary Institutions by VIKOR Method:A Case Study**  
ERDAL M., ÇAKMAK C., KAŞAK A. E.  
in: Proceedings International Sustainable Building Symposium, Gültekin, A. B.; Editor, Elsevier, pp.475-488, 2019
- II. **Problem of refugee in Turkey and evaluation in the context of sustainability**  
TAŞ Ş., ERDAL M., ARUNTAŞ H. Y.  
in: Lecture Notes in Civil Engineering, Seyhan Fırat, John Kinuthia, Abid Abu-Tair, Editor, Springer, pp.306-320, 2018
- III. **Evaluation of occupational safety culture in construction sector in the context of sustainability**  
ERDAL M., IŞIK N. S., FIRAT S.  
in: Lecture Notes in Civil Engineering, Seyhan Fırat, John Kinuthia, Abid Abu-Tair, Editor, Springer, pp.361-365,

2018

**IV. Bearing capacity and pH value of stabilized soils with class F fly ash and cement**

FIRAT S., CÖMERT A. T., YILMAZ G., IŞIK N. S., ERDAL M.

in: Lecture Notes in Civil Engineering, Seyhan Fırat, John Kinuthia, Abid Abu-Tair, Editor, Springer, pp.918-927, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

- I. Mental Health and Neurology Hospital Location Selection using the Analytical Hierarchy Process (AHP) Method**  
Güvenir Kılıç A., Erdal M.  
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- II. Preliminary Estimation of Natural Gas Pipeline Construction Costs with Regression Analysis**  
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- III. Early Estimation of Maintenance and Repair Costs of Public Service Buildings with Regression Method**  
Sarıkoc T., Erdal M.  
13th. International Congress on Mathematics, Engineering, Natural and Medical Sciences, Nevşehir, Turkey, 26 - 27 October 2021, vol.1, pp.100-109
- IV. Location Selection and Project Designing for the Penitentiary Institutions by using the TOPSIS Method**  
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6th International Project and Construction Management Conference (e-IPCMC2020), İstanbul, Turkey, 12 - 14 November 2020, vol.1, pp.175-185
- V. Problems and a Solution Proposal for Abnormally Low Tenders in Construction Works Procurements**  
Erdal M., Çakmak C., Koçer M. A.  
6th International Project and Construction Management Conference (e-IPCMC2020), İstanbul, Turkey, 12 - 14 November 2020, vol.1, pp.186-194
- VI. Evaluation of Compliance and Applicability of Safety Nets Used in Construction Workplaces**  
Korkut A. E., Erdal M.  
6th International Project and Construction Management Conference (e-IPCMC2020), İstanbul, Turkey, 12 - 14 November 2020, vol.1, pp.268-275
- VII. Progress payment applications in construction works within the scope of public procurement law, encountered problems and solution proposals**  
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2nd International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.42-51
- VIII. Location selection for Penitentiary Institutions by VIKOR method: A case study**  
Erdal M., Çakmak C., Kaşak A. E.  
4th International Sustainable Building Symposium (ISBS-2019), Texas, United States Of America, 18 - 20 July 2019, pp.475-488
- IX. Comparison of the tender documents of the works awarded by FIDIC and public procurement contracts**  
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- X. **4734 sayılı Kamu İhale Kanunu kapsamındaki yapım işleri için parametrik yöntemle teklif hazırlanması**  
Nalçacı F., Erdal M.  
1st International Eurasian Conference on Science, Engineering and Technology (EURASIANSCIENTECH-2018), Ankara, Turkey, 22 - 23 December 2018, pp.1690-1695
- XI. **The impact of the use of different slab types on the rough construction cost of the same architectural reinforced concrete buildings**  
Uğur L. O., Erdal M.  
2nd International Conference on Engineering Technology and Innovation (ICETI-2018), Budapest, Hungary, 7 - 11 March 2018, pp.319-328
- XII. **Selection of reinforced concrete formwork system with MOORA multi criteria decision making method**  
Uğur L. O., Yüksel E., Erdal M.  
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- XIII. **Bearing Capacity and pH Value of Stabilized Soils with Class F Fly Ash and Cement**  
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- XIV. **Refugee Problems in Turkey and Its Evaluation in the Context of Sustainability**  
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- XVI. **Calculation of heat loss according to fuel types in buildings and its comparative cost analysis**  
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- XVII. **Studies of urban transformation on risky construction stocks in Turkey: Sağlam Apartment example**  
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- XVIII. **Çatı kaplama malzemesi seçiminde vikor çok kriterli karar verme yönteminin uygulanması**  
UĞUR L. O., ERDAL M., ÜÇKARDEŞLER A.  
International Engineering Research Symposium (UMAS 2017), Düzce, Turkey, 11 - 13 September 2017, pp.142
- XIX. **Benzer mimarideki ahşap karkas ve betonarme taşıyıcı sistemli yapıların maliyet analizi**  
UĞUR L. O., ERDAL M., DİRİKLİK A. M.  
International Engineering Research Symposium (UMAS 2017), Düzce, Turkey, 11 - 13 September 2017, pp.141
- XX. **Risk Assessment**  
ERDAL M.  
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- XXI. **Kamu İnşaatlarında İş Sağlığı ve Güvenliği Denetimi**  
YILMAZ M., KANIT R., ERDAL M., YILDIZ S., BAKIŞ A.  
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- XXII. **İş Sağlığı ve Güvenliğinde Firma Risklerinin Bulanık Dematel Yöntemi ile Belirlenmesi**  
Gülgör M., Kanıt R., Erdal M.  
1st International Congress on Occupational Safety and Security, Kocaeli, Turkey, 6 - 07 May 2016, pp.446-458
- XXIII. **Yapı denetim görevlilerinin kamu inşaatlarında iş sağlığı ve güvenliği denetimine etkileri**

- Yılmaz M., Kanıt R., Erdal M., Yıldız S., Bakış A.  
1st International Congress on Occupational Safety and Security, Kocaeli, Turkey, 6 - 07 May 2016, pp.570-579
- XXIV. **İş sağlığı ve güvenliğinde denetim önceliğinin belirlenmesine yönelik bir yöntem önerisi**  
Kanıt R., Erdal M., Gülgör M.  
5. İşçi Sağlığı ve Güvenliği Sempozyumu, İzmir, Turkey, 5 - 06 November 2015, pp.197-206
- XXV. **6645 sayılı kanunun yürürlüğe girmesiyle İş Sağlığı ve Güvenliği Kanunu ile İş Kanunu nda meydana gelen değişiklikler**  
Yüksekova U., Erdal M.  
5. İşçi Sağlığı ve Güvenliği Sempozyumu, İzmir, Turkey, 5 - 06 November 2015, pp.207-214
- XXVI. **Sustainability in disaster management**  
Taş Ş., Erdal M.  
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- XXVII. **Comparisons of slope stability analyses under earthquake loading conditions**  
IŞIK N. S., ERDAL M.  
III. International Workshop on Earthquake and Sustainable Materials, Eskişehir, Turkey, 24 June 2014, pp.84-94
- XXVIII. **Lateral strength of masonry walls with openings Analytical Approach**  
Erdal M., Işık N. S., Can Ö., Koprman Y., Büyükkaragöz A.  
Application of Efficient & Renewable Energy Technologies in LowCost Buildings and Construction, Ankara, Turkey, 16 - 18 September 2013, pp.111-121
- XXIX. **Investigation of usability of Ahlat Stone ignimbrite waste as stone powder in concrete**  
Erdal M., Şimşek O.  
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- XXX. **Depreme maruz yığma duvarların düzlem dışı dayanım deneyleri**  
Kanıt R., Erdal M., Atımtay E.  
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- XXXI. **Depreme maruz yığma duvarın kırılması ve deprem yönetmeliğinin irdelenmesi Deneysel Çalışma**  
KANIT R., ERDAL M., IŞIK N. S., CAN Ö., MUSTAFA KEMAL Y., SERİMER G., UĞUR L. O., ATIMTAY E.  
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- XXXII. **Düzlem dışı yüklenen yığma yapıların deneysel davranışı**  
Kanıt R., Erdal M., Işık N. S., Can Ö., Yener M. K., Serimer G., Uğur L. O., Atımtay E.  
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- XXXIII. **Study performance of priority rules in the programming of road projects which have limited resources**  
Kanıt R., Özkan Ö., Erdal M.  
2nd Traffic and Road Safety International Congress, Ankara, Turkey, 5 - 07 May 2004, pp.337-345
- XXXIV. **High technology usage for the quality control of concrete**  
Erdal M., Şimşek O., Aruntaş H. Y.  
3rd International Advanced Technologies Symposium, Ankara, Turkey, 18 - 20 August 2003, vol.4, pp.342-354
- XXXV. **Kalker ve andezit taşunlarının betonun basınç dayanımına etkisi**  
Şimşek O., Erdal M.  
Türkiye İnşaat Mühendisliği XVI. Teknik Kongre ve Sergisi, Ankara, Turkey, 1 - 03 November 2001, pp.205-217

## Supported Projects

Erdal M., Ersen D., Aydoğan T., Ergen İ., TUBITAK Project, Mesleki Yeterlilik Belgesinin İnşaat Sektörüne Etkisinin İncelenmesi, 2022 - 2023

Fırat S., Elbasan B., Güzel A., Erdal M., EU Supported Other Project, Mobile youth peer mentoring application to facilitate distance mentoring guidance for youth with disabilities (MyPeerMentor), 2017 - 2019

Gökdemir A., Erdal M., Büyükkaragöz A., Yıldız K., Koprman Y., Şimşek O., Işık N. S., Özdemir A., Fırat S., Project

Supported by Higher Education Institutions, İNŞAAT MÜHENDİSLİĞİNDE UYGULAMALI EĞİTİME YÖNELİK ALTYAPI ve LABORATUVAR İMKANLARININ GELİŞTİRİLMESİ, 2015 - 2017

Erdal M., Işık N. S., Can Ö., Project Supported by Higher Education Institutions, Boşluklu yığma duvarların deprem etkisi altındaki davranışlarının deneysel ve sayısal olarak belirlenmesi, 2010 - 2014

Kanıt R., Erdal M., Can Ö., Project Supported by Higher Education Institutions, Değişik Perde Desenli Tünel Kalıpların Deprem Davranışı, 2010 - 2014

Gültekin A. B., Erdal M., FP7 Project, Examination of Life Cycle Assessment Method in the context of the Environmental Impacts of Construction Materials, 2008 - 2009

Kanıt R., Çelik M. H., Erdal M., Project Supported by Higher Education Institutions, Kırşehir kültepe sulamasında sulama verimliliğinin artırılması, 2006 - 2008

Atımtay E., Erdal M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Depremde hasar görmüş yapıların onarımı ve hasarsız mevcut yapıların güçlendirilmesi: Dış perde duvar uygulaması, 2004 - 2007

Şimşek O., Sancak E., Erdal M., Bolat H., Project Supported by Higher Education Institutions, Hafif betonlarda donatı korozyonu ve aderans özelliklerinin belirlenmesi, 2003 - 2005

Aruntaş H. Y., Şimşek O., Halilov S., Erdal M., Durmuş G., Project Supported by Higher Education Institutions, Silis Dumani ve Süper Akışkanlaştırıcı Katkılı Lifli Betonların Özellikleri, 2002 - 2004

Şimşek O., Bolat H., Erdal M., Sancak E., Durmuş G., Project Supported by Higher Education Institutions, Vakumlu Betonun Basınç Dayanımı Üzerine Bir Araştırma, 2002 - 2004

## Activities in Scientific Journals

ENGINEERING SCIENCES, Assistant Editor/Section Editor, 2010 - Continues

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, Editor, 2018 - 2021

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Other, Gazi University, Turkey, July 2023

Project Supported by Higher Education Institutions, BAP PhD, Gazi University, Turkey, July 2022

Project Supported by Higher Education Institutions, BAP Other, Gazi University, Turkey, January 2022

Project Supported by Higher Education Institutions, BAP Research Project, Istanbul Technical University, Turkey, November 2021

TUBITAK Project, 2221 - Sabbatical Science Support P., Bilim İnsanı Destek Programları Başkanlığı, Turkey, July 2018

Project Supported by Higher Education Institutions, BAP Research Project, Bitlis Eren University, Turkey, March 2018

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Bilim İnsanı Destek Programları Başkanlığı, Turkey, December 2017

Project Supported by Higher Education Institutions, BAP Research Project, Mardin Artuklu University, Turkey, January 2017

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Bilim İnsanı Destekleme Daire Başkanlığı, Turkey, June 2016

## Tasks In Event Organizations

Erdal M., 10. Uluslararası İş Sağlığı ve Güvenliği Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2020

Erdal M., 4th International Sustainable Buildings Symposium, Scientific Congress, Texas, United States Of America, Temmuz 2019

Erdal M., 9. Uluslararası İş Sağlığı ve Güvenliği Kongresi, Scientific Congress, İstanbul, Turkey, Mayıs 2018

Erdal M., 3rd International Sustainable Buildings Symposium, Scientific Congress, Dubai, United Arab Emirates, Mart 2017

Erdal M., İnşaat İşleri Asgari İşçilik Uygulamasının Yeniden Değerlendirilmesi Çalıştayı, Workshop Organization, Ankara, Turkey, Aralık 2015

Erdal M., 2nd International Sustainable Buildings Symposium, Scientific Congress, Ankara, Turkey, Mayıs 2015

Erdal M., International Sustainable Buildings Symposium, Scientific Congress, Ankara, Turkey, Mayıs 2010

## **Metrics**

Publication: 77

Citation (WoS): 113

Citation (Scopus): 122

H-Index (WoS): 5

H-Index (Scopus): 5

## **Awards**

Erdal M., Best Paper Award Certificate, The British University - Dubai, March 2017

## **Non Academic Experience**

Florida University