

METİN HÜSEM

PROF.

Email : mhusem@ktu.edu.tr

Other Email : mhusem52@gmail.com

Mobile Phone : [+90 533 498 9210](tel:+905334989210)

Office Phone : [+90 462 377 2622](tel:+904623772622)

Office Phone : [+90 462 377 3238](tel:+904623773238)

Address : KARADENİZ TEKNİK ÜNİVERSİTESİ MÜHENDİSLİK
FAKÜLTESİ İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ 61080 TRABZON

International Researcher IDs

ORCID: 0000-0002-6084-2192

Publons / Web Of Science ResearcherID: AAK-3046-2021

ScopusID: 3091506

Yoksis Researcher ID: 4504



Education

Doctorate

1990 - 1995

Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey

Postgraduate

1986 - 1990

Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey

Undergraduate

1982 - 1986

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey

Academic Positions

Professor

2008 - Continues

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

Associate Professor

2003 - 2008

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

Assistant Professor

1996 - 2003

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

Research Assistant

1989 - 1996

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

Funded Projects

- Demir S., Cebir F., Hüsem M., Livaoglu R., TUBITAK Project, Ön Üretimli Hafif Çelik Duvar Panellerinin Betonarme

Çerçeveelerin Davranışlarına Etkisinin İncelenmesi, 2025 - 2026

2. HÜSEM M., ÇOLAKOĞLU H. E., Project Supported by Higher Education Institutions, Yüksek Sıcaklığa Maruz Kalan Betonarme Çerçeveelerin Tekrarlı Yük Etkisindeki Davranışı, 2021 - 2024
3. HÜSEM M., COŞGUN S. İ., Project Supported by Higher Education Institutions, İKİ BİLEŞENLİ MODÜLER SİSMİK ENERJİ SÖNÜMLEYİCİ, 2019 - 2020
4. HÜSEM M., COŞGUN S. İ., Project Supported by Higher Education Institutions, ÜÇ BİLEŞENLİ MODÜLER SİSMİK ENERJİ SÖNÜMLEYİCİ, 2018 - 2020
5. DEMİR S., HÜSEM M., Project Supported by Higher Education Institutions, Bir Sismik Enerji Sönümlerici Çelik Çapraz Komplesi - TASARIM, 2018 - 2020
6. HÜSEM M., BİRİNCİ KAYAALP F., Project Supported by Higher Education Institutions, Kilitli Yığma Duvar Yapılanması - FAYDALI MODEL, 2018 - 2020
7. HÜSEM M., DEMİR S., Project Supported by Higher Education Institutions, SİSMİK ENERJİ SÖNÜMLEYİCİ ÇELİK ÇAPRAZ, 2017 - 2020
8. HÜSEM M., SESLİ H., ATEŞ Ş., Project Supported by Higher Education Institutions, BOŞLUKLU BETONARME PERDE DUVARLAR ARASINDAKİ BAĞ KIRIŞLERİNDE KULLANILABILECEK GELENEKSEL VE YENİLİKÇİ YAKLAŞIMLARIN DAVRANIŞA ETKİLERİNİN İNCELENMESİ, 2017 - 2019
9. HÜSEM M., DEMİR S., BİRİNCİ KAYAALP F., Project Supported by Higher Education Institutions, Farklı Şekillerde Donatıldırılmış Yığma Yapıların Tekrarlı Yatay Yükler Etkisi Altındaki Davranışları, 2015 - 2016
10. DEMİR S., PUL S., HÜSEM M., TUBITAK Project, Drucker-Prager Akma Kriteri Parametrelerinin Geleneksel Beton İçin Deneysel Olarak Belirlenmesi (1002), 2013 - 2015
11. HÜSEM M., PUL S., TUBITAK Project, Betonarme Perdelerde Bırakılan Bant Tipi Boşlukları Nedeniyle Depremde Oluşan Kısa Kolon Etkisinin İyileştirilmesi, 2012 - 2013
12. HÜSEM M., Project Supported by Higher Education Institutions, Taşıyıcı Hafif Betonla Üretilen Yekpare ve Prefabrike Yapı Elemanlarının Davranışlarının İncelenmesi, 2011 - 2012
13. HÜSEM M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Karadeniz Bölgesi Hafif Agrega Yataklarının Belirlenmesi ve Bunların Yekpare ve Prefabrike Beton yapılarda Kullanılabilirlik ve Yararlarının Araştırılması, 1991 - 1996

Journal articles indexed in SCI, SSCI, and AHCI

1. **Investigation of the Change in Mechanical Properties of Concrete Subjected After High-Temperature Effect to Cyclic Lateral Load**
ÇOLAKOĞLU H. E., HÜSEM M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2025 (SCI-Expanded)
2. **The behavior of reinforced concrete frames exposed to high temperature under cyclic load effect**
Çolakoğlu H. E., HÜSEM M., DEMİR S., AKBULUT Y. E., YILMAZ Y.
STRUCTURES, vol.63, 2024 (SCI-Expanded)
3. **Metakaolin-Based and Blast Furnace Slag-Activated Geopolymer Cement with Waste Powders**
Kabirova A., HÜSEM M., Dilbas H., UYSAL M., CANPOLAT O.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.47, no.2, pp.891-907, 2023 (SCI-Expanded)
4. **Physical and mechanical properties of metakaolin-based geopolymer mortars containing various waste powders**
Kabirova A., UYSAL M., HÜSEM M., AYGÖRMEZ Y., Dehghanpour H., PUL S., CANPOLAT O.
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.27, no.1, pp.437-456, 2023 (SCI-Expanded)
5. **Experimental investigation on new mechanical systems effectiveness to reduce the coupling beam damages**
Sesli H., HÜSEM M., SUNCA F., ALTUNIŞIK A. C., OKUR F. Y.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.21, no.1, pp.535-582, 2023 (SCI-Expanded)

6. Enhancement of in-plane load-bearing capacity of masonry walls by using interlocking units
Kayaalp F., HÜSEM M.
EARTHQUAKES AND STRUCTURES, vol.22, no.5, pp.475-485, 2022 (SCI-Expanded)
7. Experimental and numerical investigations on reinforcement arrangements in RC deep beams
HÜSEM M., YILMAZ M., COŞGUN S. İ.
ADVANCES IN CONCRETE CONSTRUCTION, vol.13, no.3, pp.243-254, 2022 (SCI-Expanded)
8. Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazig Earthquake (M-w=6.8, January 24, 2020) in Accordance with Turkish Earthquake Code
DEMİR S., GÜNAYDIN M., ATMACA B., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ANGIN Z., ATEŞ \$.
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.15, no.04, 2021 (SCI-Expanded)
9. Experimental Investigation on Cyclic Behavior of Reinforced Concrete Coupling Beams Under Quasi-static Loading
Sesli H., HÜSEM M.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.19, no.4, pp.381-400, 2021 (SCI-Expanded)
10. Seismic damage assessment of masonry buildings in Elazig and Malatya following the 2020 Elazig-Sivrice earthquake, Turkey
GÜNAYDIN M., ATMACA B., DEMİR S., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ATEŞ \$., ANGIN Z.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.19, no.6, pp.2421-2456, 2021 (SCI-Expanded)
11. Numerical and Experimental Investigation on Dynamic Characteristic Changes of Encased Steel Profile Before and After Cyclic Loading Tests
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.12, pp.1411-1431, 2020 (SCI-Expanded)
12. Field Investigation on the Performance of Mosques and Minarets during the Elazig-Sivrice Earthquake
ATMACA B., DEMİR S., GÜNAYDIN M., ALTUNIŞIK A. C., HÜSEM M., ATEŞ \$., ADANUR S., ANGIN Z.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.34, no.6, 2020 (SCI-Expanded)
13. Model updating-based automated damage detection of concrete-encased composite column-beam connections
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C., Nasery M. E.
STRUCTURAL CONTROL & HEALTH MONITORING, vol.27, no.10, 2020 (SCI-Expanded)
14. Sandwich type cold formed tubular braces: design, analysis and cyclic loading test
DEMİR S., DURMUŞ DEMİR A., HÜSEM M.
Structures, vol.25, pp.35-46, 2020 (SCI-Expanded)
15. Damage effect on experimental modal parameters of haunch strengthened concrete-encased composite column-beam connections
Nasery M. M., OKUR F. Y., ALTUNIŞIK A. C.
INTERNATIONAL JOURNAL OF DAMAGE MECHANICS, vol.29, no.2, pp.297-334, 2020 (SCI-Expanded)
16. Performance Evaluation of Gravity Dams Subjected to Near- and Far-Fault Ground Motion Using Euler Approaches
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKOSE M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.43, no.2, pp.297-325, 2019 (SCI-Expanded)
17. Design of interlocking masonry units and mechanical properties of masonry assemblages
HÜSEM M., BİRİNCİ KAYAALP F.
COMPUTERS AND CONCRETE, vol.23, no.2, pp.97-106, 2019 (SCI-Expanded)
18. Cyclic behavior of GFRP strengthened infilled RC frames with low and normal strength concrete
Arslan M. E., Durmus A., HÜSEM M.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.26, no.1, pp.30-42, 2019 (SCI-Expanded)
19. The Effect of Near-Fault Ground Motion with Pulse Signal on Dynamic Response of Dam-Reservoir-Foundation Systems
ALTUNIŞIK A. C., SESLİ H., HÜSEM M.

- GRADEVINAR, vol.---, 2019 (SCI-Expanded)
20. **Saw type seismic energy dissipaters: development and cyclic loading test**
Demir S., Hüsem M.
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.150, pp.264-276, 2018 (SCI-Expanded)
21. **Experimental evaluation of damage effect on dynamic characteristics of concrete encased composite column-beam connections**
HÜSEM M., NASERY M. M., OKUR F. Y., ALTUNIŞIK A. C.
ENGINEERING FAILURE ANALYSIS, vol.91, pp.129-150, 2018 (SCI-Expanded)
22. **Finite element analysis of RC walls with different geometries under impact loading**
HÜSEM M., Cosgun S. I., Sesli H.
COMPUTERS AND CONCRETE, vol.21, no.5, pp.583-592, 2018 (SCI-Expanded)
23. **Effect of Construction Errors on the Snow-Induced Failure of a Tribune's Columns and Roof**
ALTUNIŞIK A. C., ATEŞ Ş., HÜSEM M.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, no.3, 2017 (SCI-Expanded)
24. **Experimental Determination of Cohesion and Internal Friction Angle on Conventional Concretes**
Pul S., Ghaffari A., Oztekin E., Hüsem M., Demir S.
ACI MATERIALS JOURNAL, vol.114, pp.407-416, 2017 (SCI-Expanded)
25. **Collapse of steel cantilever roof of tribune induced by snow loads**
ALTUNIŞIK A. C., ATEŞ Ş., HÜSEM M., GENÇ A. F.
STEEL AND COMPOSITE STRUCTURES, vol.23, no.3, pp.273-283, 2017 (SCI-Expanded)
26. **Lateral buckling failure of steel cantilever roof of a tribune due to snow loads**
ALTUNIŞIK A. C., ATEŞ Ş., HÜSEM M.
ENGINEERING FAILURE ANALYSIS, vol.72, pp.67-78, 2017 (SCI-Expanded)
27. **Diagonal bracing of steel frames with multi-cable arrangements**
HÜSEM M., DEMİR S., Park H. G., Cosgun S. I.
STRUCTURAL ENGINEERING AND MECHANICS, vol.59, no.6, pp.1121-1137, 2016 (SCI-Expanded)
28. **Behavior of reinforced concrete plates under impact loading: different support conditions and sizes**
HÜSEM M., Cosgun S. I.
COMPUTERS AND CONCRETE, vol.18, no.3, pp.389-404, 2016 (SCI-Expanded)
29. **Experimental determination of Drucker-Prager yield criterion parameters for normal and high strength concretes under triaxial compression**
Oztekin E., PUL S., HÜSEM M.
CONSTRUCTION AND BUILDING MATERIALS, vol.112, pp.725-732, 2016 (SCI-Expanded)
30. **The behaviour of high-strength reinforced concrete columns under low eccentric loading**
HÜSEM M., PUL S., Gorkem S. E., DEMİR S.
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.20, no.4, pp.486-502, 2016 (SCI-Expanded)
31. **Investigation of bond-slip modeling methods used in FE analysis of RC members**
DEMİR S., HÜSEM M.
STRUCTURAL ENGINEERING AND MECHANICS, vol.56, no.2, pp.275-291, 2015 (SCI-Expanded)
32. **Comparing the dynamic behavior of a hospital-type structure with fixed and isolated base**
NASERY M. M., ERGÜN M., ATEŞ Ş., HÜSEM M.
EARTHQUAKES AND STRUCTURES, vol.9, no.3, pp.657-671, 2015 (SCI-Expanded)
33. **Failure analysis of steel column-RC base connections under lateral cyclic loading**
DEMİR S., HÜSEM M., PUL S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.50, no.4, pp.459-469, 2014 (SCI-Expanded)
34. **An experimental study on different socket base connections under cyclic loading**
PUL S., HÜSEM M., ARSLAN M. E., HAMZACEBI S.
COMPUTERS AND CONCRETE, vol.13, no.3, pp.377-387, 2014 (SCI-Expanded)
35. **Load capacity of high-strength reinforced concrete slabs by yield line theory**
GÖRKEM S. E., HÜSEM M.

- COMPUTERS AND CONCRETE, vol.12, no.6, pp.819-829, 2013 (SCI-Expanded)
36. **Ultimate behavior of composite beams with shallow I-sections**
GÖRKEM S. E., HÜSEM M.
STEEL AND COMPOSITE STRUCTURES, vol.14, no.5, pp.493-509, 2013 (SCI-Expanded)
37. **FRACTURE OF CONNECTIONS BETWEEN STEEL AND REINFORCED CONCRETE SHEAR WALLS UNDER THE CYCLIC LOADING**
HÜSEM M., PUL S., YOZGAT E., GORKEM S. E.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.36, pp.97-102, 2012 (SCI-Expanded)
38. **A calculation method of cracking moment for the high strength concrete beams under pure torsion**
HÜSEM M., Öztekin E., PUL S.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.36, no.1, pp.1-15, 2011 (SCI-Expanded)
39. **Investigation of stress-strain models for confined high strength concrete**
Husem M., Pul S.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.32, no.3, pp.243-252, 2007 (SCI-Expanded)
40. **The effects of high temperature on compressive and flexural strengths of ordinary and high-performance concrete**
Husem M.
FIRE SAFETY JOURNAL, vol.41, no.2, pp.155-163, 2006 (SCI-Expanded)
41. **The effects of low temperature curing on the compressive strength of ordinary and high performance concrete**
Husem M., GOZUTOK S.
CONSTRUCTION AND BUILDING MATERIALS, vol.19, no.1, pp.49-53, 2005 (SCI-Expanded)
42. **The effects of bond strengths between lightweight and ordinary aggregate-mortar, aggregate-cement paste on the mechanical properties of concrete**
Husem M.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.363, pp.152-158, 2003 (SCI-Expanded)
43. **Determination of rectangular stress block parameters for high performance concrete**
Öztekin E., Pul S., hüsem m.
ENGINEERING STRUCTURES, vol.25, no.3, pp.371-376, 2003 (SCI-Expanded)

Articles Published in Other Journals

1. **Lessons learned from the past earthquakes on building performance in Turkey**
ATMACA B., DEMİR S., GÜNAYDIN M., ALTUNIŞIK A. C., HÜSEM M., ATEŞ Ş., ADANUR S., ANGIN Z.
Journal of Structural Engineering Applied Mechanics, vol.3, no.2, pp.61-84, 2020 (Peer-Reviewed Journal)
2. **A Numerical Study on RC Plates Behavior under Low Velocity Impact**
COŞGUN S. İ., SESLİ H., HÜSEM M.
International Journal of Structural and Civil Engineering Research, vol.7, no.2, pp.134-137, 2018 (Peer-Reviewed Journal)
3. **Finite Element Model of RC Columns Subjected to Projectile Impact with Different Velocities**
COŞGUN S. İ., SESLİ H., HÜSEM M.
International Journal of Structural and Civil Engineering Research, vol.7, no.1, 2018 (Peer-Reviewed Journal)
4. **Kat Planındaki Çıkıntıların Burulma Düzensizliği Üzerindeki Etkilerinin İncelenmesi**
Nasary M. M., ERGÜN M., HÜSEM M., ATEŞ Ş.
Mühendislik Bülteni, vol.29, no.81, pp.16-26, 2015 (Peer-Reviewed Journal)
5. **The Experimental Investigation of Crack Mechanism in High Strength Concrete with Steel and Polypropylene Fiber**
HÜSEM M., DEMİR S.

- International Journal of Structural Analysis and Design, vol.1, no.3, pp.147-151, 2014 (Peer-Reviewed Journal)
6. **Finite Element Analysis of RC Beams Include BondSlip Effect**
DEMİR S., HÜSEM M.
International Journal of Structural Analysis Design – IJSAD, vol.1, no.3, pp.152-156, 2014 (Non Peer-Reviewed Journal)
7. **THE EFFECT OF FRACTURE AND CRACK GROWTH OF STEEL AND POLYPROPYLENE FIBERS IN THE ORDINARY AND HIGH STRENGTH CONCRETE**
HÜSEM M., DEMİR S.
E-Journal of New World Sciences Academy, vol.8, no.4, pp.182-191, 2013 (Non Peer-Reviewed Journal)
8. **Tarihi Yapılarda Onarım-Güçlendirme Yöntemlerinin Uygulanması ve Etkinliği**
HÜSEM M., DEMİR S.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.27, pp.44-48, 2013 (Non Peer-Reviewed Journal)
9. **Kentsel dönüşüm ve yapıların yıkım yöntemleri**
HÜSEM M.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.27, pp.36-43, 2013 (Non Peer-Reviewed Journal)
10. **Çelik ve Polipropilen liflerin geleneksel ve yüksek dayanımlı betonlarda kırılma ve çatlak gelişimine etkisi**
HÜSEM M., DEMİR S.
E-Journal of New World Sciences Academy, no.8, pp.182-191, 2013 (Peer-Reviewed Journal)
11. **Studying the effects of air entrain addivite on lightweight perlite concrete**
ZANDİ Y., GHANNADİ M., HÜSEM M.
Journal of Basic and Applied Scientific Research, no.5, pp.5045-5051, 2012 (Peer-Reviewed Journal)
12. **Yapı Mekanığı laboratuvarının gelişimi**
HÜSEM M., PUL S.
MMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, vol.79, pp.4-10, 2012 (Non Peer-Reviewed Journal)
13. **The effect of mineral admixtures on Alkali-Silica Reaction in Concrete**
ZANDİ Y., HÜSEM M.
International Journal of Natural and Engineering Sciences, no.6, pp.1-5, 2012 (Scopus)
14. **Comparative Study of Behaviours of Rapaired and Strngthened or Strengthened R/C Plates by Using Different Techniques**
ZANDİ Y., ÖZTÜRK N., ÖZTÜRK H. T., DURMUŞ DEMİR A., DURMUŞ A., HÜSEM M.
Middle East Journal of Scientific Research, vol.10, no.6, pp.777-784, 2011 (Peer-Reviewed Journal)
15. **Depreme dayanıklı yapı tasarımında kullanılabilen yapı kontrol sistemleri**
Yozgat E., Hüsem M.
TMMOB İnşaat Mühendisleri Odası İzmir Şubesi Haber Bülteni, no.20, pp.22-27, 2005 (Non Peer-Reviewed Journal)
16. **Geleneksel ve yüksek performanslı betonların basınç ve çekme dayanımlarına donma-çözülmenin etkisi**
HÜSEM M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, no.16, pp.503-512, 2003 (Peer-Reviewed Journal)
17. **Eğilme Etkisindeki Yüksek Performanslı Betonarme Kesitlerde Gerilme Bloğu Parametreleri**
PUL S., HÜSEM M., Öztekin E.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.6, no.3, pp.128-134, 2002 (Peer-Reviewed Journal)
18. **Betonarme inşatlarda beton kürünün kalite kontrol yönünden önemi**
GÖZÜTOK S., HÜSEM M.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.15, pp.10-13, 2001 (Non Peer-Reviewed Journal)
19. **Taze betonun sertleşmesinde kürün önemi ve kür yöntemleri**

- GÖZÜTOK S., HÜSEM M.
TMMOB İnşaat Mühendisleri Odası İzmir Şubesi Haber Bülteni, no.16, pp.19-23, 2001 (Non Peer-Reviewed Journal)
20. **Donma-çözülme olayının geleneksel ve hafif betonların basınç ve çekme dayanımlarına etkisi**
HÜSEM M., Durmuş A.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.14, pp.14-17, 2000 (Non Peer-Reviewed Journal)
21. **Yerinde beton dayanımının belirlenmesinde uygulanan deneyler**
HÜSEM M., PUL S.
TMMOB İnşaat Mühendisleri Odası Trabzon Şubesi Mühendislik Bülteni, no.14, pp.22-36, 2000 (Non Peer-Reviewed Journal)
22. **İnşaatlarda kalite kontrol ve toplam kalite**
HÜSEM M.
TMMOB İnşaat Mühendisleri Odası İzmir Şubesi Haber Bülteni, no.15, pp.19-21, 2000 (Peer-Reviewed Journal)
23. **Analysis of rectangular reinforced concrete liquid storage tanks by using yield line theory**
HÜSEM M., Durmuş A.
International Journal for Computational Civil and Structural Engineering, no.1, pp.58-62, 2000 (Scopus)

Books

1. **Birim Şekildeğiştirme Ölçerleri**
Durmuş A., HÜSEM M.
Ktu Basım Mabaası, Trabzon, 2000

Papers Presented at Peer-Reviewed Scientific Conferences

1. **A NEW PASSIVE ENERGY DISSIPATION DEVICE FOR EARTHQUAKE PROTECTION OF STRUCTURES**
DEMİR S., HÜSEM M.
5th International Conference on Earthquake Engineering and Seismology, Ankara, Turkey, 8 - 11 October 2019, vol.-, (Full Text)
2. **Düzlem İçi Çevrimsel Yük Altındaki Kilitli Yığma Duvarların Davranışı**
BİRİNCİ KAYAALP F., HÜSEM M.
Ulusal 7. Yapı Mekaniği Laboratuvarları Çalıştayı, Konya, Turkey, 4 - 05 October 2019, pp.11-17, (Full Text)
3. **Analytical Investigation of The Lateral Load Response of Masonry Walls with Interlocking and Conventional Type Units**
BİRİNCİ KAYAALP F., HÜSEM M.
International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.1273-1282, (Full Text)
4. **PREDICTION OF LOAD-DISPLACEMENT ENVELOPE CURVE OF TAPERED SHAPED STEEL ROD WITH THE CIRCULAR CROSS-SECTION BY USING ARTIFICIAL NEURAL NETWORK**
COŞGUN S. İ., NACAR S., HÜSEM M.
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, vol.1, no.1, (Full Text)
5. **STRUCTURAL BEHAVIOR OF CONCRETE GRAVITY DAMS USING WESTERGAARD, LAGRANGE AND EULER APPROACHES**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., kalkan e.
5th International Symposium on Dam Safety, 27 - 31 October 2018, (Full Text)
6. **Imaging of Internal Structure of Concrete Constructions by Non Destructive Geophysical Method**
SARIÇİEK İ., SESLİ H., GELİŞLİ K., ŞEREN A., HÜSEM M.

- EGU General Assembly 2018, Viyana, Austria, 8 - 13 April 2018, (Summary Text)
7. **Imaging of Internal Structure of Concrete Constructions by Non Destructive Geophysical Methods**
GÖREN S., Sarıcıçek I., SESLİ H., GELİŞLİ K., ŞEREN A., HÜSEM M.
EGU General Assembly 2018, Viyana, Austria, 8 - 13 April 2018, pp.1, (Full Text)
8. **Metalik Sönmüleyicili Çelik Çapraz Sistemi**
DEMİR S., HÜSEM M.
Ulusal Yapı Mekaniği Laboratuvarları 6. Toplantısı, Trabzon, Turkey, 17 - 18 November 2017, (Summary Text)
9. **Strengthening of Steel Frames with Steel Wire Ropes**
DEMİR S., HÜSEM M., SESLİ H., COŞGUN S. İ.
4th ICEES-International Earthquake Engineering and Seismology Conference, Eskişehir, Turkey, 11 - 14 October 2017, pp.1-9, (Full Text)
10. **Design Stages of Rockfall Protection Systems**
Nasery M. M., HÜSEM M., Ardamshahid M.
II.International Conference on Advanced Engineering Technologies, 21 - 23 September 2017, (Summary Text)
11. **Earthquake Resistance Performance and Reconstruction Analysis of Historical Kundupoglu Mansion**
Nasery M. M., HÜSEM M., Nasery N.
II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017, (Summary Text)
12. **Investigation the Seismic Performance of the Structures with Steel Concrete and Composite Columns**
Nasery M. M., HÜSEM M., Nasery M. E.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.334-343, (Full Text)
13. **Evaluating effects of Haunch in Concrete Encased Composite Column-Steel Beam Connection Zone under Bending and Lateral Loading**
Nasery M. M., HÜSEM M., Nasery M. E.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.443-452, (Full Text)
14. **Finite Element Analysis of Guardhouses with Different Geometries under Impact Loading**
COŞGUN S. İ., HÜSEM M., SESLİ H.
2nd International Defense Industry Symposium, 6 - 08 April 2017, (Full Text)
15. **Behaviour of the Composite Column Beam Connection under Cyclic Loading**
NASARY M. M., HÜSEM M.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.28, (Full Text)
16. **Behavior of Reinforced Concrete Coupled Wall Systems and Wall Boundary Elements**
SESLİ H., Cosgun S. İ., HÜSEM M., DEMİR S.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.30, (Full Text)
17. **Numerical Investigation of Steel Tubular K Joints Under Impact Loading**
COSGUN S. İ., HÜSEM M., DEMİR S., SESLİ H.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, vol.71, (Full Text)
18. **Near Fault Ground Motion Pulse Effect on the Dynamic Behavior of Concrete Gravity Dam Reservoir Foundation Systems using Different Water Modelling Approaches**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKÖSE M.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.54, (Full Text)
19. **Near-Fault Ground Motion Pulse Effects on The Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems Using Different Water Modelling Approaches**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKÖSE M.
12th International Congress on Advances in Civil Engineering (ACE2016), İstanbul, Turkey, 21 - 23 September 2016, pp.1-11, (Full Text)

20. **NUMERICAL INVESTIGATION OF STEEL TUBULAR K-JOINT UNDER IMPACT LOADING**
COŞGUN S. İ., HÜSEM M., DEMİR S., SESLİ H.
ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 21 - 23 September 2016, vol.1, no.1, pp.1-8, (Full Text)
21. **Behaviors of High Strength Reinforced Concrete Columns under the High Eccentric Loading**
HÜSEM M.
International Conference on Engineering and Natural Science, SARAJOVA, Bosnia And Herzegovina, 24 - 28 May 2016, (Summary Text)
22. **A Numerical Investigation of Cyclic Behavior of Coupled Wall Systems**
SESLİ H., COSGUN S. İ., HÜSEM M.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), SARAJOVA, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1503-1510, (Summary Text)
23. **Effects of Shear Wall Location on Earthquake Resistance Design of Symetric Structures**
NASARY M. M., HÜSEM M.
Uluslararası Doğal Afet ve Afet Yönetimi Sempozyumu, Karabük, Turkey, 2 - 04 March 2016, pp.56-61, (Summary Text)
24. **Effect of Plan Balconies on Dynamic of the Structure**
NASARY M. M., HÜSEM M.
Uluslararası Doğal Afet ve Afet Yönetimi Sempozyumu, Karabük, Turkey, 2 - 04 March 2016, pp.86-90, (Summary Text)
25. **Effect of Plan Balconies on Dynamic Behaviour of the Structure**
Nasery M. M., HÜSEM M.
Uluslararası Doğal Afet ve Afet Yönetimi Sempozyumu, Karabük, Turkey, 2 - 04 March 2016, pp.86-90, (Full Text)
26. **Plastik Boşluklu Kirişsiz Döşeme Sistemleri İle İlgili Bir Sentez Çalışması**
Nasary M. M., HÜSEM M.
Mühendislikte Yeni Teknolojiler Sempozyumu, Bayburt, Turkey, 22 - 24 October 2015, pp.141-149, (Full Text)
27. **Basit Eğilme Etkisi Altındaki Bazı Betonarme Kesitler İçin Dikdörtgen Gerilme Bloğu Parametrelerinin 2007 Deprem Yönetmeliğindeki Kesit Hasar Sınırına Göre Belirlenmesi**
Öztekin E., PUL S., HÜSEM M.
Mühendislikte Yeni Teknolojiler Sempozyumu, Bayburt, Turkey, 22 - 24 October 2015, vol., (Full Text)
28. **Süneklik Düzeyi Yüksek Bir Binanın Dinamik Davranışına Deprem İzolatörlerinin Etkisinin Araştırılması**
Nasary M. M., ERGÜN M., ATEŞ Ş., HÜSEM M.
Sekizinci Ulusal Deprem Mühendisliği Konferansı, İstanbul, Turkey, 11 - 15 May 2015, pp.799-810, (Full Text)
29. **The Experimental Investigation of Crack Mechanism in High Strength Concrete with Steel and Polypropylene Fiber**
HÜSEM M., DEMİR S.
Proc. of the Intl. Conf. on Advances In Civil, Structural And Construction Engineering, Roma, Italy, 7 - 08 May 2014, pp.38-42, (Full Text)
30. **Finite Element Analysis of RC Beams Include Bond Slip Effect**
DEMİR S., HÜSEM M.
Proc. of the Intl. Conf. on Advances In Civil, Structural And Construction Engineering, Roma, Italy, 7 - 08 May 2014, pp.43-47, (Full Text)
31. **Mevcut Betonarme Yapıarda Kısa Kolon Davranışlarının İyileştirilmesi**
DEMİR S., HÜSEM M., ALTIN S., PUL S., BİKÇE M., EMSEN E.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, (Full Text)
32. **Mevcut Betonarme Yapıarda Kısa Kolon Davranışlarının İyileştirilmesi**
Demir S., HÜSEM M., Altın S., PUL S., Bikçe M., Emsen E.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013, vol.1, no.1, pp.1-10, (Full Text)
33. **Soğuk Şekillendirilmiş Hafif Profillerle Üretilen Endüstriyel Çerçeve Sistemlerin Optimizasyonu**
Öztürk F., PUL S., HÜSEM M., Demir S.

- Ulusal Yapı Mekaniki Laboratuvarları 4. Toplantısı, Trabzon, Turkey, 3 - 04 May 2013, vol.1, no.1, pp.1-2, (Summary Text)
34. **Betonarme Perdelerde Bırakılan Bant Tipi Boşluklar Nedeniyle Depremde Oluşan Kısa Kolon Etkisinin İyileştirilmesi**
Demir S., HÜSEM M., PUL S., Altın S., Emsen E., Bikçe M.
Ulusal Yapı Mekaniki Laboratuvarları 4. Toplantısı, Trabzon, Turkey, 3 - 04 May 2013, vol.1, no.1, pp.1-3, (Summary Text)
35. **Application and Activity of Restoration and Strengthening Methods on Historical Buildings**
DEMİR S., HÜSEM M.
International Conference on Seismic Retrofitting, Tabriz, Iran, 2 - 04 May 2012, pp.1-7, (Full Text)
36. **Analysis of Rectangular Reinforced Concrete Liquified Tanks by Using Yield Line Theory**
DEMİR S., HÜSEM M.
4th International Conference on Seismic Retrofitting, Tabriz, Iran, 2 - 04 May 2012, pp.1-10, (Full Text)
37. **İnşaat Mühendisliği Eğitiminde Yeni Sorunlar**
HÜSEM M., PUL S.
İnşaat Mühendisliği Eğitimi 2. Sempozyumu, Muğla, Turkey, 23 - 24 September 2011, vol.1, no.1, pp.307-312, (Full Text)
38. **İnşaat Mühendisliği Eğitiminde Öğrencinin Yeri**
PUL S., HÜSEM M.
İnşaat Mühendisliği Eğitimi 2. Sempozyumu, Muğla, Turkey, 23 - 24 September 2011, vol.1, no.1, pp.259-264, (Full Text)
39. **Investigation of Relation between Core and Cylindrical Strength of Concrete Specimen Cured in Different Conditions**
PUL S., HÜSEM M., ARSLAN M. E., Zandi Y.
Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG'11), Corfu Island, 14 - 16 July 2011, vol.1, (Full Text)
40. **Investigation of Relation Between Core and Cylindrical Strength of Concrete Specimen Cured in Different Conditions**
PUL S., HÜSEM M., Arslan M. E., Zandi Y.
WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11), Corfu, Greece, 14 - 16 July 2011, vol.1, no.1, pp.1-10, (Full Text)
41. **Effects of Vibration Time on Strength of Ordinary and High Performance Concrete**
ARSLAN M. E., YOZGAT E., PUL S., HÜSEM M.
Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG'11), Corfu Island, Greece, 14 - 16 July 2011, vol.1, no.1, pp.270-274, (Full Text)
42. **Effect of Distribution and Orientation of Steel Fiber Reinforced Concrete**
Zandi Y., HÜSEM M., PUL S.
WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11), Corfu, Greece, 14 - 16 July 2011, vol.1, no.1, pp.1-10, (Full Text)
43. **Effect of Distribution and Orientation of Steel Fiber Reinforced Concrete**
Zandi Y., HÜSEM M., PUL S.
Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG'11), Corfu, Greece, 14 - 16 July 2011, vol.1, pp.260-264, (Full Text)
44. **The Behavior of Cable Stayed Bridges Having Different Cable Arrangements under Static and Dynamic Loads**
HÜSEM M., PUL S., Yousef Z.
Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG'11), Cofu, Greece, 14 - 16 July 2011, vol.1, pp.242-246, (Full Text)
45. **Spiral Donatlı Betonarme Kolonların Burulma Davranışlarının Deneysel Olarak İncelenmesi**
PUL S., HÜSEM M., Soley Ö.
Ulusal Yapı Mekaniki Laboratuvarları 3. Toplantısı, Kocaeli, Turkey, 14 - 15 May 2011, vol.1, no.1, pp.1-3, (Summary Text)

- Text)
46. **Examination the effect of bracing connection on the beam rigid connection and column of braced simple steel frame**
YOUSEF Z., HÜSEM M.
Proceeding of 2nd International Conference of Seismic Retrofitting, 6 - 07 November 2009, (Summary Text)
47. **Controlling of buckling plate in X shaped bracings**
Zandi Y., Mehdizadeh M. B., DURMUŞ A., HÜSEM M.
Proceeding of 2nd International Conference of Seismic retrofitting, Tabriz, Tabriz, Iran, 6 - 07 November 2009, (Summary Text)
48. **Analysis of buckling and studying optimum ratio of diameters of two concentric steel rings as a ductile element in concentric bracings**
Zandi Y., Mehdizadeh M. B., DURMUŞ A., HÜSEM M.
Proceeding of 2nd International Conference of Seismic retrofitting, Tabriz, Tabriz, Iran, 6 - 07 November 2009, (Summary Text)
49. **Effect of middle connection and it's execution details on resistance of x-bracing**
ZANDİ Y., Mehdizadeh M. B., HÜSEM M., Masoud T.
Proceeding of 2nd International Conference of Seismic Retrofitting, Tabriz, Iran, 6 - 07 November 2009, vol.1, pp.260, (Summary Text)
50. **Water glass solution on concrete mechanical behavior**
Yousef Z., Mohammad Bagher M., HÜSEM M., PUL S., Sobrani A., Dehghan D.
Proceeding of 2nd International Conference of Seismic retrofitting, Tabriz, Tabriz, Iran, 6 - 07 November 2009, (Summary Text)
51. **The experimental investigation of connection between steel and reinforced concrete shear wall**
HÜSEM M., PUL S., YOZGAT E., Görkem S. E.
2nd International Symposium on Connection between steel and concrete, Stuttgart, Germany, 4 - 07 September 2007, vol.1, no.1, pp.1-10, (Full Text)
52. **Lightweight and ordinary concrete-steel bond strength**
PUL S., HÜSEM M., Görkem S. E., YOZGAT E.
2nd International Symposium on Connection between steel and concrete, Stuttgart, Germany, 4 - 07 September 2007, vol.1, no.1, pp.1-10, (Full Text)
53. **The experimental investigation of the effects of different types and combinations of shear connectors in steel-concrete composite beams**
Görkem S. E., HÜSEM M., PUL S., YOZGAT E.
2nd International Symposium on Connection between steel and concrete, Stuttgart, Germany, 4 - 07 September 2007, vol.1, no.1, pp.1-10, (Full Text)
54. **The inelastic behaviour of connection of steel column and reinforced concrete base**
YOZGAT E., HÜSEM M., PUL S., Görkem S. E.
2nd International Symposium on Connection between steel and concrete, Stuttgart, Germany, 4 - 07 September 2007, vol.1, no.1, pp.1-10, (Full Text)
55. **Yüksek dayanıklı betonarme kalın plak davranışlarının farklı mesnet koşulları ve tekil yük altında incelenmesi**
Görkem S. E., HÜSEM M.
7th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006, vol.1, pp.241-249, (Full Text)
56. **Yüksek Performanslı Betonarme Kolonların Dışmerkez Yükleme Altındaki Davranışı**
PUL S., HÜSEM M.
7. Uluslararası İnşaat Mühendisliğinde Gelişmeler Kongresi (Advances in Civil Engineering-ACE2006), İstanbul, Turkey, 11 - 13 October 2006, vol.1, no.520, pp.1-10, (Full Text)
57. **Viskoz sıvı sönümlerinin çok katlı çelik yapıların dinemik davranışlarına etkisi**
YOZGAT E., HÜSEM M.
7th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006, vol.1, pp.158-

- 169, (Full Text)
58. **Experimental behavior of high strength reinforced concrete plates under varying rotation capability supports**
Görkem S. E., HÜSEM M.
Second International Conference on Engineering Failure Analysis (ICEFA-II), Toronto, Canada, 13 - 15 September 2006, pp.2, (Full Text)
59. **Betonarme plâgin konumuna göre karma kırış davranışlarının deneysel olarak incelenmesi**
HÜSEM M., Görkem S. E.
International Symposium on Structural and Earthquake Engineering, Ankara, Turkey, 14 October 2002, vol.1, pp.213-220, (Full Text)
60. **Donma-Çözülme Olayının Yüksek Performanslı Beton Basınç Dayanımına Etkisi**
HÜSEM M., PUL S., Durmuş A.
İnşaat Mühendisliğinde Gelişmeler, 4. Uluslararası Kongresi (Advances in CivilEngineering-ACE2000), Gazimagusa, Cyprus (Kktc), 1 - 03 November 2000, vol.3, no.1, pp.1315-1322, (Full Text)
61. **Hafif ve geleneksel agregat-harç, agregat-cimento hamuru aderanslarının betonların mekanik özelliklerine etkileri**
HÜSEM M.
Advance in Civil Enginnering, Gazimagusa, Cyprus (Kktc), 1 - 03 November 2000, vol.3, pp.1101-1109, (Full Text)
62. **An Investigation on behavior of lightweight concrete subjected to uniaxial compression**
Durmuş A., HÜSEM M.
Advance in Civil Enginnering, Gazimagusa, Cyprus (Kktc), 1 - 03 November 2000, vol.1, pp.379-387, (Full Text)
63. **Trabzon Yöresi Agregalarıyla Üretilen Yüksek Performanslı Betonun Mekanik Özellikleri ve Betonarme Kırış Davranışları**
PUL S., HÜSEM M., Durmuş A.
İnşaat Mühendisliğinde Gelişmeler, 4. Uluslararası Kongresi (Advances in CivilEngineering-ACE2000), Gazimagusa, Cyprus (Kktc), 1 - 03 November 2000, vol.1, no.1, pp.97-107, (Full Text)
64. **Yüksek Performanslı, Geleneksel ve Hafif Betonların Eğilme Etkisindeki Davranışlarının İncelenmesi**
HÜSEM M., PUL S., Karaca Z.
İnşaat Mühendisliğinde Gelişmeler, 4. Uluslararası Kongresi (Advances in CivilEngineering-ACE2000), Gazimagusa, Cyprus (Kktc), 1 - 03 November 2000, vol.1, no.1, pp.389-397, (Full Text)
65. **Some properties of lightweight concretes produced by natural lightweight aggregates**
HÜSEM M., Durmuş A.
Fourth International Conference on Civil Engineering, Tehran, Iran, 4 - 06 May 1997, vol.3, pp.383-392, (Full Text)
66. **Analysis of reinforced concrete slabs subjected to triangular distributed loading by the yield line theory**
HÜSEM M., Durmuş A.
Proceeding of the Second International Conference in Civil Engineering on Computer Applications, research and Practice, Bahreyn, Bahrain, 8 - 11 April 1996, vol.1, pp.223-229, (Full Text)
67. **The structural analysis of rectangular water tanks using different methods**
Durmuş A., HÜSEM M.
Proceeding of the Second International Conference in Civil Engineering on Computer Applications, research and Practice, Bahreyn, Bahrain, 8 - 11 April 1996, vol.1, pp.241-251, (Full Text)
68. **Comparing the behaviour of lightweight and ordinary reinforced concrete beams in bending**
HÜSEM M., Durmuş A.
Proceeding of the Second International Conference in Civil Engineering on Computer Applications, research and Practice, Bahreyn, Bahrain, 8 - 11 April 1996, vol.1, pp.231-240, (Full Text)

2023 - Continues	Head of Department	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2018 - 2021	Education and Curriculum Board Member	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2016 - 2020	Dean	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2016 - 2020	Member of the Senate	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2016 - 2020	University Executive Board Member	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2014 - 2016	Head of Department	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
1999 - 2010	Internship Coordinator	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
2003 - 2009	Laboratuvar Yöneticiliği	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği
1999 - 2004	Deputy Head of Department	Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği

Courses

Postgraduate

Prefabrike Yapılar, Postgraduate, 2024 - 2025

Öngerilmeli Beton, Postgraduate, 2024 - 2025

Plastik Mafsal Çizgileri Teorisi, Postgraduate, 2022 - 2023

Undergraduate

Betonarme-I, Undergraduate, 2024 - 2025

Depreme Dayanıklı Yapı Tasarımı, Undergraduate, 2024 - 2025

Betonarme-II, Undergraduate, 2023 - 2024

Çelik Yapılar, Undergraduate, 2014 - 2015

Patent

Hüsem M., Eğrisel Şekilli Akma Levhali Metalik Sönümlerici, Utility Model, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 009181 , Standard Registration, 2024

Hüsem M., Coşgun S. İ., Üç bileşenli modüler sismik enerji sönümleyici, Patent, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 2018 20466 , Standard Registration, 2021

Birinci Kayaalp F., Hüsem M., Kilitli Yığma Duvar Yapılanması, Utility Model, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 2018 09986 , Standard Registration, 2020

Demir S., HÜSEM M., Sismik Enerji Sönümlerici Çelik Çapraz, Utility Model, CHAPTER E Constructed Constructions (Construction), The Invention Registration Number: 2017/22584 , Standard Registration, 2020

Birinci Kayaalp F., Hüsem M., Kilitli Duvar Eleman Yaplanması, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2016 14324 , Standard Registration, 2018

Activities in Scientific Journals

Ordu Üniversitesi Bilim ve Teknoloji Dergisi, Advisory Committee Member, 2012 - Continues
Mühendislik Bülteni , Advisory Committee Member, 2010 - Continues

Metrics

Publication: 136
Citation (WoS): 738
Citation (Scopus): 861
H-Index (WoS): 14
H-Index (Scopus): 14

Congress and Symposium Activities

Ulusal Yapı Mekaniği Laboratuvarları 5. Toplantısı, Session Moderator, Adana, Turkey, 2015
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Session Moderator, Hatay, Turkey, 2013
Beton Bayramı, Panelists, Samsun, Turkey, 2012
4 th International Conference on Seismic Retrofitting, Invited Speaker, Tabriz, Iran, 2012
7th International Congress on Advanced in Civil Engineering, Session Moderator, İstanbul, Turkey, 2006

Research Areas

Civil Engineering, Structure, Prefabrication, Steel Structures, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Building materials, Materials in Civil Engineering, Engineering and Technology

Non Academic Experience

Karayolları 10. Bölge Müdürlüğü , Etüt Proje Mühendisi
Other Public Institution, Karayolları Genel Müdürlüğü
Karayolları Genel Müdürlüğü , Yol Yapım Mühendisi