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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Fen Bilimleri, İnşaat Mühendisliği, Turkey 2010 - 2016

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği, Turkey 2007 - 2010

Undergraduate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Seismic performance evaluation of roller compacted concrete gravity dams by pseudo dynamic testing, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2016

Postgraduate, A simple seismic performance assessment technique for unreinforced brick masonry structures, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2010

Research Areas

Civil Engineering, Structure, Earthquake Engineering, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2017 - 2022

Research Assistant, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2016 - 2017

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2007 - 2016

Academic and Administrative Experience

Deputy Head of Department, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Seismic risk prioritization of masonry building stocks using machine learning**
COŞKUN O., AKTEPE R., ALDEMİR A., Yılmaz A. E., DURMAZ M., GÜLDÜR ERKAL B., TUNALI E.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, 2024 (SCI-Expanded)
- II. **Machine-learning networks to predict the ultimate axial load and displacement capacity of 3D printed concrete walls with different section geometries**
Ozkan I. G. M., ALDEMİR A.
STRUCTURES, 2024 (SCI-Expanded)
- III. **A study on the influencing parameters in developing construction and demolition waste-based geopolymer concretes and their sustainability assessment**
Alhawat M., Yildirim G., Ashour A., Ozcelikci E., ALDEMİR A., ŞAHMARAN M.
Construction and Building Materials, vol.426, 2024 (SCI-Expanded)
- IV. **Experimental investigation of the damage characteristics and seismic response of moment-resisting bolted column base joints for precast concrete frames**
AKDUMAN Ş., AKTEPE R., ALDEMİR A., ŞAHMARAN M.
Soil Dynamics and Earthquake Engineering, vol.177, 2024 (SCI-Expanded)
- V. **Fundamental period estimation of RC buildings by considering structural and non-structural damage distributions through neural network**
Cinar O. F., ALDEMİR A., Zervent A., Yucel O. B., ERBERİK M. A., ANIL Ö., ŞAHMARAN M., KOÇKAR M. K., ASKAN GÜNDOĞAN A.
Neural Computing and Applications, vol.36, no.3, pp.1329-1350, 2024 (SCI-Expanded)
- VI. **Opportunities and challenges in constructing a demountable precast building using C&D waste-based geopolymer concrete: A case study in Türkiye**
AKDUMAN Ş., AKTEPE R., ALDEMİR A., Ozcelikci E., Alam B., ŞAHMARAN M.
Journal of Cleaner Production, vol.434, 2024 (SCI-Expanded)
- VII. **Structural performance of construction and demolition waste-based geopolymer concrete columns under combined axial and lateral cyclic loading**
AKDUMAN Ş., AKTEPE R., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.
Engineering Structures, vol.297, 2023 (SCI-Expanded)
- VIII. **Bond properties and anisotropy performance of 3D-printed construction and demolition waste-based geopolymers: Effect of operational- and material-oriented parameters**
Sönmez Tuğluca M., Şahmaran M., Ilcan H., Aminipour E., Aldemir A., Özkılıç H.
JOURNAL OF BUILDING ENGINEERING, vol.78, no.107688, pp.107688-107696, 2023 (SCI-Expanded)
- IX. **Fully demountable column base connections for reinforced CDW-based geopolymer concrete members**
AKTEPE R., AKDUMAN Ş., ALDEMİR A., Ozcelikci E., YILDIRIM G., ŞAHMARAN M., Ashour A.
Engineering Structures, vol.290, 2023 (SCI-Expanded)
- X. **Compressive stress-strain model for the estimation of the flexural capacity of reinforced geopolymer concrete members**
KOCAER Ö., ALDEMİR A.
Structural Concrete, vol.24, no.4, pp.5102-5121, 2023 (SCI-Expanded)
- XI. **Demountable reinforced concrete slabs using dry connections**
Almahmood H., Ashour A., Figueira D., Yildirim G., ALDEMİR A., ŞAHMARAN M.
Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023 (SCI-Expanded)
- XII. **Machine learning network suitable for accurate rapid seismic risk estimation of masonry building stocks**
COŞKUN O., ALDEMİR A.

- NATURAL HAZARDS, vol.115, no.1, pp.261-287, 2023 (SCI-Expanded)
- XIII. **Properties of geopolymers sourced from construction and demolition waste: A review**
Alhawat M., Ashour A., Yildirim G., ALDEMİR A., ŞAHMARAN M.
JOURNAL OF BUILDING ENGINEERING, vol.50, 2022 (SCI-Expanded)
- XIV. **Shear behaviour of reinforced construction and demolition waste-based geopolymer concrete beams**
ALDEMİR A., AKDUMAN Ş., KOCAER Ö., AKTEPE R., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.
JOURNAL OF BUILDING ENGINEERING, vol.47, 2022 (SCI-Expanded)
- XV. **Mechanical Characteristics of Self-Healing, Deflection-Hardening, High-Performance Fiber-Reinforced Cementitious Composites Using Coarse Aggregates**
Öksüzer N., ANIL Ö., YILDIRIM G., ALDEMİR A., Şahmaran M.
ACI Materials Journal, vol.119, no.2, pp.155-170, 2022 (SCI-Expanded)
- XVI. **Demountable connections of reinforced concrete structures: Review and future developments**
Figueira D., Ashour A., YILDIRIM G., ALDEMİR A., ŞAHMARAN M.
STRUCTURES, vol.34, pp.3028-3039, 2021 (SCI-Expanded)
- XVII. **Investigation of mechanical properties of high-performance hybrid fiber concretes adding nanomaterials using with coarse aggregate**
Oksuzer N., ANIL Ö., ALDEMİR A., ŞAHMARAN M.
STRUCTURES, vol.33, pp.2893-2902, 2021 (SCI-Expanded)
- XVIII. **Experimental investigations on the structural behaviour of reinforced geopolymer beams produced from recycled construction materials**
AKDUMAN Ş., Kocaer O., ALDEMİR A., ŞAHMARAN M., YILDIRIM G., Almahmood H., Ashour A.
JOURNAL OF BUILDING ENGINEERING, vol.41, 2021 (SCI-Expanded)
- XIX. **Prediction equation for the fundamental vibration period of concrete gravity dams with impounded water**
ALDEMİR A.
EARTHQUAKE SPECTRA, vol.37, no.3, pp.1710-1725, 2021 (SCI-Expanded)
- XX. **Simplified Approach for Seismic Performance Assessment of Dry-Joint Masonry Arch Bridges**
Demirel I. O., ALDEMİR A.
BUILDINGS, vol.11, no.7, 2021 (SCI-Expanded)
- XXI. **Development of alkali-activated binders from recycled mixed masonry-originated waste**
Yildirim G., KUL A., Ozcelikci E., ŞAHMARAN M., ALDEMİR A., Figueira D., Ashour A.
JOURNAL OF BUILDING ENGINEERING, vol.33, 2021 (SCI-Expanded)
- XXII. **Mechanical and microstructural characterization of geopolymers from assorted construction and demolition waste-based masonry and glass**
ULUGÖL H., KUL A., Yildirim G., ŞAHMARAN M., ALDEMİR A., Figueira D., Ashour A.
JOURNAL OF CLEANER PRODUCTION, vol.280, 2021 (SCI-Expanded)
- XXIII. **Rapid screening method for the determination of regional risk distribution of masonry structures**
ALDEMİR A., Guvenir E., ŞAHMARAN M.
STRUCTURAL SAFETY, vol.85, 2020 (SCI-Expanded)
- XXIV. **Rapid screening method for the determination of seismic vulnerability assessment of RC building stocks**
COŞKUN O., ALDEMİR A., ŞAHMARAN M.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.18, no.4, pp.1401-1416, 2020 (SCI-Expanded)
- XXV. **Seismic behaviour of roller compacted concrete dams under different base treatments**
Gharibdoust A., ALDEMİR A., BİNİCİ B.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, 2019 (SCI-Expanded)
- XXVI. **Seismic behavior and improvement of autoclaved aerated concrete infill walls**
BİNİCİ B., CANBAY E., ALDEMİR A., Demirel I. O., Uzgan U., Eryurtlu Z., Bulbul K., YAKUT A.
ENGINEERING STRUCTURES, vol.193, pp.68-81, 2019 (SCI-Expanded)
- XXVII. **Seismic behavior of autoclaved aerated concrete low rise buildings with reinforced wall panels**
GÖKMEN F., BİNİCİ B., ALDEMİR A., Taghipour A., CANBAY E.

- BULLETIN OF EARTHQUAKE ENGINEERING, vol.17, no.7, pp.3933-3957, 2019 (SCI-Expanded)
- XXVIII. **Prediction Equations for the Fundamental Period and Mode Shape of Roller Compacted Concrete Gravity Dams considering Three Dimensional Geometry Effects**
ALDEMİR A.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.22, pp.1-19, 2018 (SCI-Expanded)
- XXIX. **In Situ Lateral Load Testing of a Two-Story Solid Clay Brick Masonry Building**
ALDEMİR A., BİNİCİ B., CANBAY E., YAKUT A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.32, no.5, 2018 (SCI-Expanded)
- XXX. **Effect of slot depth on the behavior of double-slotted reinforced concrete beam systems**
ALDEMİR A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.2, pp.659-669, 2018 (SCI-Expanded)
- XXXI. **Seismic Performance Assessment of Masonry Buildings Using In Situ Material Properties**
Cobanoglu B., ALDEMİR A., Demirel I. O., BİNİCİ B., CANBAY E., YAKUT A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, no.4, 2017 (SCI-Expanded)
- XXXII. **Lateral load testing of an existing two story masonry building up to near collapse**
Aldemir A., BİNİCİ B., CANBAY E., YAKUT A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, no.8, pp.3365-3383, 2017 (SCI-Expanded)
- XXXIII. **Cyclic Testing of Reinforced Concrete Double Walls**
ALDEMİR A., BİNİCİ B., CANBAY E.
ACI STRUCTURAL JOURNAL, vol.114, no.2, pp.395-406, 2017 (SCI-Expanded)
- XXXIV. **Pseudo-dynamic testing of a concrete gravity dam**
Aldemir A., BİNİCİ B., ARICI Y., KURÇ Ö., CANBAY E.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.44, no.11, pp.1747-1763, 2015 (SCI-Expanded)
- XXXV. **Analysis Methods for the Investigation of the Seismic Response of Concrete Dams**
Aldemir A., Yilmazturk S. M., Yucel A. R., BİNİCİ B., ARICI Y., Akman A.
TEKNIK DERGI, vol.26, no.1, pp.6943-6968, 2015 (SCI-Expanded)
- XXXVI. **Comparison of the expected damage patterns from two- and three-dimensional nonlinear dynamic analyses of a roller compacted concrete dam**
ARICI Y., BİNİCİ B., Aldemir A.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, vol.10, no.3, pp.305-315, 2014 (SCI-Expanded)
- XXXVII. **Seismic Performance Assessment of Unreinforced Masonry Buildings with a Hybrid Modeling Approach**
Aldemir A., ERBERİK M. A., Demirel I. O., SUCUOĞLU H.
EARTHQUAKE SPECTRA, vol.29, no.1, pp.33-57, 2013 (SCI-Expanded)
- XXXVIII. **8 March 2010 Elazig-Kovancilar (Turkey) Earthquake: Observations on Ground Motions and Building Damage**
Akkar S., Aldemir A., Askan A., Bakir S., CANBAY E., Demirel I. O., ERBERİK M. A., GÜLERCE Z., Gulkan P., KALKAN E., et al.
SEISMOLOGICAL RESEARCH LETTERS, vol.82, no.1, pp.42-58, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Tests of demountable reinforced concrete slabs**
Almahmood H., Ashour A., Figueira D., Yıldırım G., Aldemir A., Sahmaran M.
Structures, vol.46, pp.1084-1104, 2022 (Scopus)
- II. **Dolu rezervuar durumdaki barajların sismik davranış tahminlerine seçilen nümerik model tipinin etkisi**
ALDEMİR A.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.2, pp.805-821, 2019 (Peer-Reviewed Journal)

- III. **In situ seismic testing of a reinforced autoclaved aerated concrete building**
BİNİCİ B., GÖKMEN F., CANBAY E., ALDEMİR A., Oğdu M. K., Uzgan U., Eryurtlu Z., Ozdemir G.
MAUERWERK, vol.22, no.5, pp.305-313, 2018 (ESCI)
- IV. **Beton Ağırlık Barajların Sismik Performanslarına Seçilen Kesit Geometrisinin Etkisi**
ALDEMİR A.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.3, pp.81-92, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Demountable Reinforced Concrete Structures - A Way Forward to Minimize Energy and Waste in Construction Industry**
Ashour A., Figueira D., Almahmood H., Yıldırım G., ALDEMİR A., ŞAHMARAN M.
International Symposium of the International Federation for Structural Concrete, fib Symposium 2023, İstanbul, Turkey, 5 - 07 June 2023, vol.349 LNCE, pp.72-80
- II. **Prediction of Modal Response of Towers Using Artificial Neural Networks**
Yücel O. B., Demir B., Ates H. I., ALDEMİR A.
Electrical Transmission and Substation Structures Conference 2022: Innovating for Critical Global Infrastructure, Florida, United States Of America, 2 - 06 October 2022, pp.393-403
- III. **Design and Construction of Reinforced Autoclaved Aerated Concrete Buildings**
BİNİCİ B., ALDEMİR A.
International Concrete Conference: ICCX Middle East 2019, 24 - 25 November 2019
- IV. **NEW SEISMIC ASSESSMENT METHOD FOR MASONRY BUILDINGS UNDER URBAN RENEWAL LAW**
ALDEMİR A., BİNİCİ B., YAKUT A., Varcin M. K.
5. International Conference on Earthquake Engineering and Seismology, 8 - 11 October 2019
- V. **MATHEMATICAL MODEL FOR PREDICTING THE PERIOD OF VIBRATION OF CONCRETE GRAVITY DAMS WITH FULL RESERVOIR CONDITIONS**
ALDEMİR A., Yücel Ö. B., GÜLDÜR ERKAL B.
5. International Conference on Earthquake Engineering and Seismology, 8 - 11 October 2019
- VI. **Remedies for Thermal Strain Related Problems**
ALDEMİR A.
5th INTERNATIONAL SYMPOSIUM on DAM SAFETY AND EXHIBITION, İstanbul, Turkey, 27 - 30 October 2018
- VII. **Period Prediction Equation for Concrete Gravity Dams**
ALDEMİR A.
13th Congress on Advances in Civil Engineering, İzmir, Turkey, 12 September 2018, pp.1-7
- VIII. **DEGAS: An innovative earthquake-proof AAC wall system**
CANBAY E., BİNİCİ B., DEMİREL İ. O., ALDEMİR A., Uzgan U., ERYURTLU Z., BULBUL K.
6th International Conference on Autoclaved Aerated Concrete, Potsdam, Germany, 3 - 06 September 2018, vol.2, pp.247-252
- IX. **Seismic response of autoclaved aerated concrete masonry infill walls under in-plane and out-of-plane seismic demands**
BİNİCİ B., CANBAY E., DEMİREL İ. O., ALDEMİR A., Uzgan U., ERYURTLU Z., YAKUT A.
6th International Conference on Autoclaved Aerated Concrete, Potsdam, Germany, 3 - 06 September 2018, vol.2, pp.241-245
- X. **In situ seismic testing of a reinforced autoclaved aerated concrete building**
GÖKMEN F., BİNİCİ B., CANBAY E., ALDEMİR A., OĞDU M. K., Uzgan U., ERYURTLU Z., OZDEMİR G.
6th International Conference on Autoclaved Aerated Concrete, Potsdam, Germany, 3 - 06 September 2018, vol.2, pp.253-258
- XI. **Seismic behavior of reinforced autoclaved aerated concrete wall panels**
TAGHIPOUR A., CANBAY E., BİNİCİ B., ALDEMİR A., Uzgan U., ERYURTLU Z.

6th International Conference on Autoclaved Aerated Concrete, Potsdam, Germany, 3 - 06 September 2018, vol.2, pp.259-265

- XII. **BETON AĞIRLIK BARAJLARIN SİSMİK ÖZELLİKLERİNE FARKLI REZERVUAR MODELLEME TEKNİKLERİNİN ETKİSİ**
ALDEMİR A.
3. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Kocaeli, Turkey, 4 - 05 May 2018
- XIII. **Behaviour of AAC Infilled RC Frames under In Plane and Out of Plane Seismic Demands**
BİNİCİ B., DEMİREL İ. O., ALDEMİR A., CANBAY E., YAKUT A.
Australian Earthquake Engineering Society 2017 Conference, 24 - 26 November 2017
- XIV. **Seismic Performance Evaluation of Concrete Gravity Dams by Using Pseudo Dynamic Testing and Simulations**
ALDEMİR A., BİNİCİ B.
Australian Earthquake Engineering Society 2017 Conference, 24 - 26 November 2017
- XV. **Çift Oluklu Betonarme Kirişlerde Oluk Derinliği Ve Süneklilik İlişkisi**
ALDEMİR A.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Turkey, 11 - 13 October 2017
- XVI. **EFFECT OF DOUBLE-SLOTTED BEAMS ON THE FRAME BEHAVIOR**
ALDEMİR A., AYDIN B. B.
17. International Scientific Conference, 8 - 09 June 2017
- XVII. **Testing of an Existing Two Story Masonry Building Under Lateral Loads**
ALDEMİR A., BİNİCİ B., CANBAY E., YAKUT A.
16th World Conference on Earthquake Engineering, 9 - 13 January 2017
- XVIII. **Effect of Base Roughness on Seismic Response of Gravity Dams**
BİNİCİ B., ALDEMİR A., Gharibdoust A.
10th International Conference on Large Dams (ICOLD), 25 - 30 October 2016
- XIX. **Identifying Masonry Buildings under High Seismic Risk**
ALDEMİR A., BİNİCİ B., YAKUT A., CANBAY E.
10th Pacific Conference on Earthquake Engineering, Sydney, Australia, 6 - 08 November 2015
- XX. **Lateral Load On Site Testing of a Two Story Masonry Building up to Near Collapse**
BİNİCİ B., CANBAY E., YAKUT A., ALDEMİR A.
10th Pacific Conference on Earthquake Engineering, Sydney, Australia, 6 - 08 November 2015
- XXI. **YIĞMA BİNALARIN SİSMİK PERFORMANSININ BELİRLENMESİ**
ALDEMİR A., BİNİCİ B., YAKUT A., CANBAY E.
3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Turkey, 14 - 16 October 2015
- XXII. **Lateral Load Testing of Two Existing Masonry Buildings**
BİNİCİ B., ALDEMİR A., CANBAY E., YAKUT A.
Advances in Structural Engineering and Mechanics (ASEM 2015), 25 - 29 August 2015
- XXIII. **Seismic Behavior of Double Walls with Continuity Reinforcement**
BİNİCİ B., CANBAY E., Ducia F., ÖZCEBE G., ALDEMİR A.
11th Canadian Conference on Earthquake Engineering, Victoria, Canada, 21 - 24 July 2015
- XXIV. **COMPARISONS OF PSEUDO DYNAMIC TEST RESULTS AND NUMERICAL RESULTS OF AN RCC DAM MODEL**
ALDEMİR A., BİNİCİ B., CANBAY E.
11th Canadian Conference on Earthquake Engineering, 21 - 24 July 2015
- XXV. **Analitik Modellerin Beton Ağırlık Baraj Sismik Davranışını Taklit Etmekteki Verimliliğinin İrdelenmesi**
BİNİCİ B., ALDEMİR A.
4. Ulusal Baraj Güvenliği Sempozyumu, Elazığ, Turkey, 9 - 11 October 2014
- XXVI. **Damage from Two Consecutive Earthquakes at City of Van Turkey**
ALDEMİR A., ERDİL B., DEMİREL İ. O., YAKUT A., BİNİCİ B.
10th National Conference on Earthquake Engineering, Alaska, United States Of America, 21 - 25 July 2014

- XXVII. **Comparison of Analytical and Observed Damages on a Commercial RC Building**
DEMİREL İ. O., ALDEMİR A., YAKUT A., BİNİCİ B.
10th National Conference on Earthquake Engineering, Alaska, United States Of America, 21 - 25 July 2014
- XXVIII. **Dinamik Benzeri DeneY Yöntemiyle SSB ve Geleneksel Beton Baraj Performanslarının İncelenmesi**
ALDEMİR A., BİNİCİ B.
2. Barajlar Kongresi, İstanbul, Turkey, 13 - 15 February 2014
- XXIX. **Dinamik Benzeri DeneYlerle Beton Ağırlık Baraj Sismik Performansının İncelenmesi**
ALDEMİR A., BİNİCİ B.
3. Su Yapıları Sempozyumu, Ankara, Turkey, 7 - 08 December 2013
- XXX. **Dinamik Benzeri Yöntemlerle Bir Beton Ağırlık Barajın Sismik Performansının Değerlendirilmesi**
ALDEMİR A., BİNİCİ B., CANBAY E., KURÇ Ö., ARICI Y.
2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey, 25 - 27 September 2013
- XXXI. **Seismic Performance Evaluation of a Concrete Gravity Dam by using Pseudo Dynamic Testing**
ALDEMİR A., BİNİCİ B., CANBAY E., KURÇ Ö., ARICI Y.
The 2013 World Conference on Advances in Structural Engineering and Mechanics, Jeju, South Korea, 8 - 12 September 2013
- XXXII. **Comparisons of Two and Three Dimensional Nonlinear Dynamic Analyses Results of a Roller Compacted Concrete Dam**
BİNİCİ B., ARICI Y., ALDEMİR A., Akman A.
Research, Development, and Practice in Structural Engineering and Construction, Perth, Australia, 28 November - 02 December 2012
- XXXIII. **Two and Three Dimensional Nonlinear Dynamic Analysis of an RCC Dam**
ALDEMİR A., BİNİCİ B., ARICI Y., Akpınar U.
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012
- XXXIV. **A New Computational Method for the Assessment of URM Buildings**
DEMİREL İ. O., ALDEMİR A., ERBERİK M. A.
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 17 - 19 October 2012
- XXXV. **Silindire Sıkıştırılmış Beton Bir Barajın Deprem Güvenliğinin Çeşitli Seviye Modeller ile İrdelenmesi**
ALDEMİR A., BİNİCİ B., ARICI Y.
3. Ulusal Baraj Güvenliği Sempozyumu, Eskişehir, Turkey, 10 - 12 October 2012
- XXXVI. **Seismic Design and Performance of an High RCC Dam**
ALDEMİR A., Akpınar U., ARICI Y., BİNİCİ B.
15th World Conference on Earthquake Engineering, Lizboa, Portugal, 24 - 28 September 2012
- XXXVII. **Tuğla Yığma Duvarlar için Performansa Dayalı Bir Değerlendirme Yöntemi**
ALDEMİR A., ERBERİK M. A., SUCUOĞLU H.
1. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Ankara, Turkey, 11 - 14 October 2011
- XXXVIII. **Koçak Kemer Beton Barajı Sismik Performansının İncelenmesi**
ALDEMİR A., BİNİCİ B.
2. Su Yapıları Sempozyumu, Diyarbakır, Turkey, 16 - 18 September 2011
- XXXIX. **A Critique on the Turkish Earthquake Code Regulations Regarding Masonry Construction**
ERBERİK M. A., ALDEMİR A., AY B. Ö.
8th International Seminar on Structural Masonry, 5 - 07 November 2009

Supported Projects

ŞAHMARAN M., ALDEMİR A., Project Supported by Higher Education Institutions, Sürdürülebilir Kalkınma için Nano Malzemelerle İyileştirilmiş Ekonomik Şekil Değiştirme Sertleşmesi Davranışı Sergileyen Çimento Esaslı Kompozitler, 2018 - 2020

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