

## Assoc. Prof. ALPER ALDEMİR

### 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)

- XIII. **Mechanical Characteristics of Self-Healing, Deflection-Hardening, High-Performance Fiber-Reinforced Cementitious Composites Using Coarse Aggregates**  
Öksüz N., ANIL Ö., YILDIRIM G., ALDEMİR A., Şahmaran M.  
ACI Materials Journal, vol.119, no.2, pp.155-170, 2022 (SCI-Expanded)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **Seismic behaviour of roller compacted concrete dams under different base treatments**  
Gharibdoust A., ALDEMİR A., BİNİCİ B.  
STRUCTURE AND INFRASTRUCTURE ENGINEERING, 2019 (SCI-Expanded)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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., Ogdu 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., Yildırım 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**  
Yucel 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**  
GOKMEN F., BİNİCİ B., CANBAY E., ALDEMİR A., OGDU 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 Süneklik 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 Dene Yöntemiyle SSB ve Geleneksel Beton Baraj Performanslarının İncelenmesi**  
ALDEMİR A., BİNİCİ B.  
2. Barajlar Kongresi, İstanbul, Turkey, 13 - 15 February 2014
- XXIX. **Dinamik Benzeri Deneyle 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

Aldemir A., Şahmaran M., EU Supported Other Project, Düşük Maliyetli Konutlandırma için Yeşil Yapısal Elemanların Lego İnşaat Sistemi, 2018 - 2020

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