

Prof. Gray ARSLAN

Personal Information

Fax Phone: [+90 212 383 5133](tel:+902123835133)

Office Phone: [+90 212 383 5207](tel:+902123835207)

Email: aguray@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/aguray>

International Researcher IDs

ScholarID: sSuQe7QAAAAJ

ORCID: 0000-0001-5004-8617

Publons / Web Of Science ResearcherID: AAZ-8568-2020

ScopusID: 9038196600

Yoksis Researcher ID: 174756

Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, İnaaat Mhendislięi, Turkey 1996 - 2005

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnaaat Mhendislięi, Turkey 1994 - 1996

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnaaat Mhendislięi, Turkey 1990 - 1994

Research Areas

Civil Engineering, Structure, Structural Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Civil Engineering, İnaaat Mhendislięi, 2015 - Continues

Courses

Undergraduate

Betonarme II, Undergraduate, 2016 - 2017

Supervised Theses

Arslan G., Betonarme kirişlerin çelik levhalarla güçlendirilmesinin dayanım deęişimine etkisinin araştırılması, Postgraduate, R.MCAHİT(Student), 2018

ARSLAN G., CFRP ile Güçlendirilen Çelik Lifli Betonarme Kirişlerde Dayanım Artışlarının İrdelenmesi, Postgraduate, K.ŞENGN(Student), 2016

ARSLAN G., Etriyersiz Polipropilen Lifli Betonarme Kirişlerin Kesme Mukavemeti, Postgraduate, M.ZTRK(Student), 2016

ARSLAN G., Çelik lifli betonarme kirişlerin kesme mukavemeti, Postgraduate, M.İrfan(Student), 2016

ARSLAN G., ALACALI S., Betonun kesme mukavemetinin belirlenmesinde kısmi güvenlik katsayısının olasılıksal

yöntemlerle belirlenmesi, Postgraduate, A.Sağiroğlu(Student), 2016

ARSLAN G., Dolgu duvarların betonarme taşıyıcı sistem performansına etkisinin belirlenmesi, Postgraduate, S.MERT(Student), 2015

ARSLAN G., Etriyesiz çelik lifli betonarme kirişlerin kesme mukavemeti, Postgraduate, S.ULUSOY(Student), 2015

ARSLAN G., Burulma düzensizliğine sahip betonarme çerçeveli taşıyıcı sistemlerin performansına dolgu duvarların etkisinin belirlenmesi, Postgraduate, Ö.BOZTAŞ(Student), 2015

ARSLAN G., Eğilme ile güç tükenmesi oluşan betonarme kirişlerin doğrusal olmayan sonlu eleman çözümlenmeleri, Postgraduate, İ.KİRİŞTİOĞLU(Student), 2014

ARSLAN G., Literatürde önerilen betonarme kiriş kesme mukavemeti bağıntılarının güvenilirliğinin olasılıksal yöntemlerle irdelenmesi, Postgraduate, A.Osman(Student), 2012

ARSLAN G., Depremde Betonarme Bina Performansının Doğrusal Elastik ve Elastik Olmayan Yöntemler ile Belirlenmesi ve Yöntemlerin Sonuçlarının Karşılaştırılması, Postgraduate, M.ilker(Student), 2012

ARSLAN G., Sismik yalıtımlı betonarme bir köprüünün analizi ve performansının değerlendirilmesi, Postgraduate, M.ALTUN(Student), 2012

ARSLAN G., Burulma Düzensizliği İçeren Betonarme Yapıların Doğrusal Elastik Yöntem ile Deprem Performansının Değerlendirilmesi, Postgraduate, K.Şaban(Student), 2011

ARSLAN G., Literatürde Önerilen Enine Donatısız Betonarme Kiriş Çatlama Kesme Mukavemeti Bağıntılarının Güvenilirliğinin Olasılıksal Yöntemlerle İrdelenmesi, Postgraduate, A.İBİŞ(Student), 2011

ARSLAN G., Lifli Polimerle Güçlendirilen Betonarme Kirişlerin Sonlu Eleman Plastik Çözümlenmeleri, Postgraduate, A.Emre(Student), 2011

ARSLAN G., Enine Donatısız Betonarme Kirişlerin Kesme Mukavemeti, Postgraduate, E.GARİP(Student), 2011

ARSLAN G., Betonarme Siloların Projelendirilmesinde Kullanılan Yönetmeliklerin Karşılaştırılması, Postgraduate, C.CEYLAN(Student), 2010

ARSLAN G., Depremde Bina Performansının Doğrusal Elastik Olmayan Yöntemler ile Belirlenmesi ve Yöntemlerin Sonuçlarının Karşılaştırılması, Postgraduate, B.ŞAHİN(Student), 2010

ARSLAN G., Doğrusal Olmayan Sonlu Eleman Çözümlenmeleri ile Betonarme Kolonlarda Boyut Etkisinin İrdelenmesi, Postgraduate, M.HACISALİHOĞLU(Student), 2010

ARSLAN G., Çelik Lif Katkılı Öngerilmeli Beton Kirişlerin Doğrusal Olmayan Sonlu Eleman Çözümlenmeleri, Postgraduate, H.HİLMİOĞLU(Student), 2010

ARSLAN G., Betonarme Kolonların Deneysel Sonuçlarının Doğrusal Olmayan Sonlu Eleman Çözümlenmeleri ile Karşılaştırılması, Postgraduate, M.BALCI(Student), 2009

ARSLAN G., Yüksek Mukavemetli Beton Kirişlerin Eğilme Davranışı, Postgraduate, E.CİHANLI(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Moment redistribution in continuous reinforced concrete beams: Experimental study and analytical investigation**
AYDOĞAN M. S., Aydemir C., ARSLAN G.
Structures, vol.63, 2024 (SCI-Expanded)
- II. **Proposal and evaluation of new models for predicting the FRP contribution to shear strength in reinforced concrete beams using gene expression programming**
Alacalı S., Akkaya H. C., Şengün K., Arslan G.
NEURAL COMPUTING AND APPLICATIONS, vol.1, no.1, pp.1000-1030, 2024 (SCI-Expanded)
- III. **Performance of RC Beams Strengthened in Flexure and Shear with CFRP and GFRP**
Sengun K., ARSLAN G.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.1, pp.117-130, 2024 (SCI-Expanded)
- IV. **Evaluation of shear behavior of short-span reinforced concrete deep beams strengthened with fiber reinforced polymer strips**
Akkaya H. C., Aydemir C., ARSLAN G.

Engineering Structures, vol.299, 2024 (SCI-Expanded)

- V. **An experimental and analytical research on moment redistribution in reinforced concrete continuous beams**
AYDOĞAN M. S., Aydemir C., ARSLAN G.
European Journal of Environmental and Civil Engineering, vol.28, no.4, pp.876-899, 2024 (SCI-Expanded)
- VI. **Experimental study on the energy dissipation and seismic behavior of RC columns due to repeated earthquakes including vertical excitation**
Eser Aydemir M., Aydemir C., ARSLAN G.
Engineering Structures, vol.293, 2023 (SCI-Expanded)
- VII. **Flexural Behavior of GBFS-Based Geopolymer-Reinforced Concrete Beams**
Ozturk M., Arslan G.
BUILDINGS (BASEL), vol.13, no.1, pp.1-14, 2023 (SCI-Expanded)
- VIII. **Investigation on shear behavior of reinforced concrete deep beams without shear reinforcement strengthened with fiber reinforced polymers**
AKKAYA H. C., Aydemir C., ARSLAN G.
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.17, 2022 (SCI-Expanded)
- IX. **An experimental research on reinforced concrete deep beams fully wrapped with fiber reinforced polymers against shear**
AKKAYA H. C., Aydemir C., ARSLAN G.
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.17, 2022 (SCI-Expanded)
- X. **Shear Behavior of Granulated Blast Furnace Slag-Based Geopolymer-Reinforced Concrete Beams**
Ozturk M., Arslan G.
Buildings, vol.12, no.12, 2022 (SCI-Expanded)
- XI. **Parameters affecting the behaviour of RC beams strengthened in shear and flexure with various FRP systems**
Sengun K., ARSLAN G.
STRUCTURES, vol.40, pp.202-212, 2022 (SCI-Expanded)
- XII. **Investigation of the parameters affecting the behavior of RC beams strengthened with FRP**
Sengun K., ARSLAN G.
FRONTIERS OF STRUCTURAL AND CIVIL ENGINEERING, vol.16, no.6, pp.729-743, 2022 (SCI-Expanded)
- XIII. **An Experimental Study on Concrete Contribution to Shear Capacity of RC Beams and Columns under Cyclic Loading**
Aydemir C., Aydemir M. E., Arslan G.
TEKNIK DERGI, vol.33, no.3, pp.11955-11978, 2022 (SCI-Expanded)
- XIV. **Shear strength of steel fiber reinforced concrete deep beams without stirrups**
Birincioğlu M. İ., Keskin R. S. O., Arslan G.
Advances in Concrete Construction, vol.13, no.1, pp.1-10, 2022 (SCI-Expanded)
- XV. **Effect of plastic rotation on the concrete contribution to shear strength of RC beams**
Aydemir C., Aydemir M. E., ARSLAN G.
ADVANCES IN CONCRETE CONSTRUCTION, vol.11, no.6, pp.469-479, 2021 (SCI-Expanded)
- XVI. **Determining the Reduction Factor in Predicting the Contribution of Concrete to Shear Strength by Using a Probabilistic Method**
ARSLAN G., ALACALI S., Sagioglu A.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.44, no.1, pp.21-28, 2020 (SCI-Expanded)
- XVII. **Comparison of displacement capacity of reinforced concrete columns with seismic codes**
Cansiz S., Aydemir C., ARSLAN G.
ADVANCES IN CONCRETE CONSTRUCTION, vol.8, no.4, pp.295-304, 2019 (SCI-Expanded)
- XVIII. **Influence of polypropylene fibres on the shear strength of RC beams with web reinforcement**
ARSLAN G., KESKİN R. S. O.
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.23, no.10, pp.1222-1234, 2019 (SCI-

Expanded)

- XIX. **Shear strength of steel-fibre-reinforced concrete beams with web reinforcement**
ARSLAN G., Keskin R. S. O., BİRİNCİOĞLU M. İ.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.172, no.4, pp.267-277, 2019 (SCI-Expanded)
- XX. **Experimental investigation of bolted stiffened end-plate and bolted flange-plate connections**
Yılmaz O., Bekiroğlu S., Alemdar F., Arslan G., Sevim B., Ayvaz Y.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.16, no.3, 2019 (SCI-Expanded)
- XXI. **ASSESSMENT OF THE STRENGTH REDUCTION FACTOR IN PREDICTING THE FLEXURAL STRENGTH**
ALACALI S., ARSLAN G.
JOURNAL OF THEORETICAL AND APPLIED MECHANICS, vol.56, no.4, pp.1043-1053, 2018 (SCI-Expanded)
- XXII. **Performance Evaluation of In-Plan Irregular RC Frame Buildings Based on Turkish Seismic Code**
ARSLAN G., BÖREKÇİ M., Şahin B., Denizer M. I., Duman K. S.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.16, no.3, pp.323-333, 2018 (SCI-Expanded)
- XXIII. **Determination of structural performance of 3D steel pipe rack suspended scaffolding systems**
ARSLAN G., SEVİM B., BEKİROĞLU S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.64, no.5, pp.671-681, 2017 (SCI-Expanded)
- XXIV. **Influence of CFRP on the shear strength of RC and SFRC beams**
Keskin R. S. O., ARSLAN G., SENGUN K.
CONSTRUCTION AND BUILDING MATERIALS, vol.153, pp.16-24, 2017 (SCI-Expanded)
- XXV. **Experimental Evaluation of Tie Bar Effects on The Structural Behavior of Suspended Scaffolding Systems**
SEVİM B., BEKİROĞLU S., ARSLAN G.
International Journal of Advanced Steel Construction, 2017 (SCI-Expanded)
- XXVI. **Shear behaviour of polypropylene fiber-reinforced-concrete beams without stirrups**
ARSLAN G., Keskin R. S. O., OZTURK M.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.170, no.3, pp.190-198, 2017 (SCI-Expanded)
- XXVII. **An experimental study on the shear strength of SFRC beams without stirrups**
ARSLAN G., Keskin R. S. O., ULUSOY S.
Journal of Theoretical and Applied Mechanics (Poland), vol.55, no.4, pp.1205-1217, 2017 (SCI-Expanded)
- XXVIII. **A new developed approach for EDL induced from a single concentrated force**
Bekiroğlu S., Arslan G., Sevim B.
STEEL AND COMPOSITE STRUCTURES, vol.21, pp.1105-1119, 2016 (SCI-Expanded)
- XXIX. **An Investigation of the Concrete Contribution to Shear Strength of RC Columns Failing in Flexure**
ARSLAN G., BÖREKÇİ M., BALCI M., HACISALIHOGLU M.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.14, pp.151-160, 2016 (SCI-Expanded)
- XXX. **Assessing reduction in concrete shear strength contribution**
ARSLAN G., ALACALI S., Sagi-roğlu A.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.169, no.4, pp.237-244, 2016 (SCI-Expanded)
- XXXI. **Influence of Displacement Ductility on Concrete Contribution to Shear Strength**
Guray A., IZZET K.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.60, no.3, pp.379-386, 2016 (SCI-Expanded)
- XXXII. **The investigation of the strength reduction factor in prediction the shear strength**
ARSLAN G., ALACALI S., SAGIROGLU A.
JOURNAL OF THEORETICAL AND APPLIED MECHANICS, vol.53, no.2, pp.371-381, 2015 (SCI-Expanded)
- XXXIII. **THE INVESTIGATION OF THE STRENGTH REDUCTION FACTOR IN PREDICTING THE SHEAR STRENGTH**
ARSLAN G., Alacali S., Sagi-roglu A.
JOURNAL OF THEORETICAL AND APPLIED MECHANICS, vol.53, no.2, pp.371-381, 2015 (SCI-Expanded)
- XXXIV. **An investigation on seismic design indicators of RC columns using finite element analyses**

- ARSLAN G., Hacisalihoglu M., Balci M., BÖREKÇİ M.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.12, pp.237-243, 2014 (SCI-Expanded)
- XXXV. **Shear strength of Steel Fiber Reinforced Concrete (SFRC) slender beams**
Arslan G.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.18, no.2, pp.587-594, 2014 (SCI-Expanded)
- XXXVI. **Reliability Assessment of Existing Equations Predicting the Shear Strength of Reinforced Concrete Beams without Stirrups**
ARSLAN G., Ibis A., ALACALI S.
TEKNIK DERGI, vol.25, no.1, pp.6601-6623, 2014 (SCI-Expanded)
- XXXVII. **Shear degradation of reinforced concrete beams**
ARSLAN G., KIRISTIOGLU I.
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.17, no.7, pp.554-563, 2013 (SCI-Expanded)
- XXXVIII. **NONLINEAR ANALYSIS OF RC COLUMNS USING THE DRUCKER-PRAGER MODEL**
ARSLAN G., HACISALIHOGLU M.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.19, no.1, pp.69-77, 2013 (SCI-Expanded)
- XXXIX. **CONTRIBUTION OF CONCRETE TO SHEAR STRENGTH OF RC BEAMS FAILING IN SHEAR**
ARSLAN G., POLAT Z.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.19, no.3, pp.400-408, 2013 (SCI-Expanded)
- XL. **DIAGONAL TENSION FAILURE OF RC BEAMS WITHOUT STIRRUPS**
Arslan G.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.18, no.2, pp.217-226, 2012 (SCI-Expanded)
- XLI. **Shear strength of reinforced concrete slender beams**
Arslan G.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.163, no.3, pp.195-205, 2010 (SCI-Expanded)
- XLII. **CURVATURE DUCTILITY PREDICTION OF REINFORCED HIGH-STRENGTH CONCRETE BEAM SECTIONS**
ARSLAN G., CIHANLI E.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.16, no.4, pp.462-470, 2010 (SCI-Expanded)
- XLIII. **CRACKING SHEAR STRENGTH OF RC SLENDER BEAMS WITHOUT STIRRUPS**
Arslan G.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.14, no.3, pp.177-182, 2008 (SCI-Expanded)
- XLIV. **Steel plate contribution to load-carrying capacity of retrofitted RC beams**
ARSLAN G., Sevük F., Ekiz I.
CONSTRUCTION AND BUILDING MATERIALS, vol.22, no.3, pp.143-153, 2008 (SCI-Expanded)
- XLV. **Shear strength of reinforced concrete beams with stirrups**
Arslan G.
MATERIALS AND STRUCTURES, vol.41, no.1, pp.113-122, 2008 (SCI-Expanded)
- XLVI. **Sensitivity study of the Drucker-Prager modeling parameters in the prediction of the nonlinear response of reinforced concrete structures**
Arslan G.
MATERIALS & DESIGN, vol.28, no.10, pp.2596-2603, 2007 (SCI-Expanded)
- XLVII. **Damage analysis of RC beams without web reinforcement**
Köksal H. O., ARSLAN G.
MAGAZINE OF CONCRETE RESEARCH, vol.56, no.4, pp.231-241, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Reliability analysis of shear strength equations of RC beams**
Alacalı S., Arslan G., İbiş A.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.1, pp.141-152, 2024 (ESCI)

- II. **Seismic performance of RC columns under combined cyclic flexural and constant axial loadings**
Aydemir C., Eser Aydemir M., ARSLAN G.
Structures, vol.54, pp.1196-1208, 2023 (Scopus)
- III. **Drift capacity and allowable axial load level of RC columns**
Aydemir C., Eser Aydemir M., ARSLAN G.
Structures, vol.48, pp.1072-1081, 2023 (Scopus)
- IV. **CFRP contribution to load-carrying capacity of retrofitted geopolymer concrete beams**
Ozturk M., Sengun K., Arslan G.
Structures, vol.48, pp.1391-1402, 2023 (Scopus)
- V. **INFLUENCE OF CFRP ON THE STRENGTH OF RETROFITTED RC BEAMS WITHOUT STIRRUPS**
SENGUN K., ARSLAN G.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI,
vol.35, no.1, pp.77-85, 2017 (ESCI)
- VI. **Yüksek Beton Dayanımlı Sargısız Betonarme Kiriş Kesitlerinde Eğrilik Sünekliği**
CIHANLI E., ARSLAN G.
Journal of Engineering and Natural Sciences Mühendislik ve Fen Bilimleri Dergisi (SIGMA), pp.139-150, 2009
(Peer-Reviewed Journal)
- VII. **Journal of Engineering and Natural Sciences Mühendislik ve Fen Bilimleri Dergisi (SIGMA)**
ARSLAN G., SEVÜK F., EKİZ İ.
Çelik Plaka ile Güçlendirilmiş Betonarme Kirişin İki ve Üç Boyutlu Sonlu Eleman Çözümlemelerin Karşılaştırılması,
pp.67-74, 2006 (Peer-Reviewed Journal)
- VIII. **Yalnız Çekme Donatılı Betonarme Kirişte Sonlu Eleman Boyutunun Yük Taşıma Kapasitesi Tahminine Etkisinin Drucker-Prager ve Çatlak Modelleri ile Karşılaştırılması**
ARSLAN G.
Journal of Engineering and Natural Sciences Mühendislik ve Fen Bilimleri Dergisi (SIGMA), pp.34-42, 2004 (Peer-Reviewed Journal)
- IX. **Yüksek Beton Mukavemetli Betonarme Kirişlerde Uygun Sonlu Eleman Boyutları**
ARSLAN G., POLAT Z.
İTU Dergisi, no.3, pp.22-28, 2004 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Investigation of the Change in the Load-Carrying Capacities of RC Beams Strengthened with Steel Plate Glued to Bottom of the Beam**
Arslan G., Öztürk M., Arabacı R. M.
First International Symposium on Innovations in Civil Engineering and Technology (1ST I CIVILTECH) , Afyon, Turkey, 23 - 25 October 2019, pp.447-452
- II. **Analysis the Strength Reduction Factor in the Shear Strength of Geopolymer Concrete Beams**
ALACALI S., ARSLAN G., ÖZTÜRK M.
IConTES 2019: International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2019, vol.7, pp.117-122
- III. **Assessing the Shear Strength Reduction Factor in Geopolymer Concrete Beams Without Stirrups**
ARSLAN G., ALACALI S., Öztürk M.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.430-433
- IV. **Investigation of the change in the strength of RC beams strengthened with carbon fiber mesh fabric**
Arslan G., Gün E., Çevik M.
4. International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.411-416

- V. **External U-wrapping of RC beams with basalt fibre reinforced cement mortar**
Çevik M., Arslan G.
4. International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.406-410
- VI. **Planda düzensizliği bulunan betonarme binaların Türkiye Bina Deprem Yönetmeliği (TBDY) 2018'e göre performanslarının değerlendirilmesi**
KEFELİ E., BÖREKÇİ M., ARSLAN G.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 November 2018, pp.1659-1667
- VII. **Depremde betonarme bina performansının DBYBHY 2007 ve TBDY 2018'e göre değerlendirilmesi**
SOYCAN C., BÖREKÇİ M., ARSLAN G.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 November 2018, pp.1643-1650
- VIII. **Effect of shear span-to-effective depth ratio on the shear strength of RC beams**
ŞİNİK M., ARSLAN G.
Proceeding of IASTEM International Conference, Antalya, Turkey, 21 September 2019, pp.1-3
- IX. **Influence of chopped basalt fibers on the shear strength of RC beams without stirrups**
MAZHARI S. R., ARSLAN G.
18th IIE International Conference on Latest Trends in Engineering and Technology (ICLTET-2018), İstanbul, Turkey, 21 March 2018, pp.58-60
- X. **Investigation of the effects of basalt fibers on the flexural strength of RC beams without stirrups**
ÖZGEN U., ARSLAN G.
18th IIE International Conference on Latest Trends in Engineering and Technology (ICLTET-2018), İstanbul, Turkey, 21 March 2018, pp.76-78
- XI. **ALIN LEVHALI BULONLU KOLON-KİRİŞ BİRLEŞİMİNİN ÇEVİRİMSEL YÜKLEME ALTINDA DENEYSEL ÇALIŞMASI**
Yılmaz O., Bekiroğlu S., Alemdar F., Arslan G., Sevim B., Ayvaz Y.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017
- XII. **Retrofitting SFRC Beams by Using CFRP**
ŞENGÜN K., KESKİN R. S. O., ARSLAN G.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 October 2017, pp.321-326
- XIII. **Seismic Performance of a RC School Building Considering Different Soil Classes**
Doğru M., Arslan G.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2017, pp.146-153
- XIV. **The behavior of PFRC beams with and without web reinforcement**
OZTURK M., KESKİN R. S. O., ARSLAN G.
International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2017, pp.347-352
- XV. **Use of Post-tensioned Concrete Slabs for Sustainable Design of Buildings**
SÜLEYMANOĞLU H., UZEL A., ARSLAN G.
High Tech Concrete: Where Technology and Engineering Meet, Proceedings of the 2017 fib Symposium, Maastricht, Netherlands, 12 June 2017, pp.274-280
- XVI. **The Effect of Adding Shear Walls to Buildings on Seismic Behavior Considering Different Soil Classes**
Doğru M., ARSLAN G.
International Conference on Civil and Environmental Engineering 2nd ICOCEE - Cappadocia 2017, Nevşehir, Türkiye, May 08-10, 2015, Nevşehir, Turkey, 08 May 2017, pp.100
- XVII. **Influence of polypropylene fibers on the shear strength of RC beams without stirrups**
OZTURK M., ARSLAN G.
International Congress on Advanced Earthquake Resistant Structures (AERS 2016), Samsun, Turkey, 24 October

2016, pp.1-7

- XVIII. **Small Scale RC Column Tests**
KARAMAN E., AKSOYLAR C., ARSLAN G.
International Congress on Advanced Earthquake Resistant Structures (AERS 2016), Samsun, Turkey, 24 October 2016, pp.212-216
- XIX. **Betonarme Kirişlerin Kesme Dayanımında Çelik Liflerin Etkisi**
BİRİNCİOĞLU M. İ., ARSLAN G.
1st International Mediterranean Science and Engineering Congress (IMSEC), Adana, Turkey, 26 October 2016, pp.224-230
- XX. **Influence of flexural reinforcement on the shear strength of RC beams without stirrups**
KESKİN R. S. O., ARSLAN G.
ICCEES 2015: XIII International Conference on Civil, Environmental Engineering and Earth Sciences, Amsterdam, Netherlands, 06 August 2015, pp.242
- XXI. **Investigation of infill wall effect for the seismic performance of RC structures**
MERT S., BOZTAŞ Ö., ARSLAN G.
International Conference on Civil and Environmental Engineering ICOCEE–Cappadocia 2015., Nevşehir, Turkey, 20 May 2015, pp.221-227
- XXII. **Influence of steel fibers on the shear strength of RC beams without stirrups**
BİRİNCİOĞLU M. İ., ULUSOY S., ARSLAN G.
International Conference on Civil and Environmental Engineering ICOCEE–Cappadocia 2015., Nevşehir, Turkey, 20 May 2015, pp.185-192
- XXIII. **Load-carrying capacity of steel fiber reinforced concrete prestressed beams**
HİLMİOĞLU H., ARSLAN G.
Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013 (VEESD 2013), Vienna, Austria, 28 August 2013, pp.88
- XXIV. **Influence of displacement ductility on shear strength**
KIRISTIOĞLU I., ARSLAN G.
Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013 (VEESD 2013), Vienna, Austria, 28 August 2013, pp.77
- XXV. **Load carrying capacity of RC beams strengthened by CFRP**
Demirer A. E., ARSLAN G.
Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013 (VEESD 2013), Vienna, Austria, 28 August 2013, pp.100
- XXVI. **Finite Element Analyses of Reinforced Concrete Beams Strengthened using CFRP**
DEMİRER A. E., ARSLAN G.
Proceedings of the Eleventh International Conference on Computational Structures Technology, Dubrovnik, Croatia, 04 September 2012, pp.95-96
- XXVII. **The Performance Assessment of a Multi-Span, Box Girder Reinforced Concrete Bridge with and without Seismic Isolation**
BÖREKÇİ M., ALTUN M., ARSLAN G.
Proceedings of the Eleventh International Conference on Computational Structures Technology, Dubrovnik, Croatia, 04 September 2012, pp.100
- XXVIII. **Comparison of the Horizontal Loads in Reinforced Concrete Silo Walls Defined by Codes**
Ceylan C., Arslan G.
14th European Conference On Earthquake Engineering (ECEE), Ohrid, Republic of Macedonia, Ohrid, Macedonia, 30 August 2010, pp.17-18
- XXIX. **An investigation on minimum damage limit of RC columns using finite element analyses**
Balcı M., Arslan G.
14th European Conference On Earthquake Engineering (ECEE), Ohrid, Macedonia, 30 August - 03 September 2010, pp.1-6
- XXX. **Investigation on Shear Degradation of RC Beams Under Cycled Loads**

ARSLAN G., POLAT Z., KÖKSAL H. O.

8th International Conference on Advance Civil Engineering (ACE), Famagusta, Cyprus (Kkctc), 15 September 2008, pp.208-215

- XXXI. **Evaluation of Shear Strength Approaches of RC Slender Beams without Stirrups**
ARSLAN G.
8th International Conference on Advance Civil Engineering (ACE), Famagusta, Cyprus (Kkctc), 15 September 2008, pp.215-221
- XXXII. **Shear Strength Prediction of Reinforced Concrete Beams under Cyclic Loads**
ARSLAN G.
7th International Conference on Advance Civil Engineering (ACE), İstanbul, Turkey, 11 October 2006, pp.88-94
- XXXIII. **Investigation of Using the Efficiency Factor for Concrete Contribution to Shear Strength of RC Beams Subjected to Cyclic Loading**
ARSLAN G.
1st European Conference on Earthquake Engineering and Seismology (ECEES), Geneva, Switzerland, 03 September 2006, pp.141-142
- XXXIV. **Finite Element Analysis of Fixing the Steel Plate with Braces on Behavior of Retrofitted RC Beams**
ARSLAN G., SEVÜK F., EKİZ İ.
1st European Conference on Earthquake Engineering and Seismology (ECEES), Geneva, Switzerland, 03 September 2006, pp.170-171
- XXXV. **Shear Strength of Reinforced Concrete Short Beams with Stirrups**
ARSLAN G.
1st European Conference on Earthquake Engineering and Seismology (ECEES), Geneva, Switzerland, 03 October 2006, pp.205
- XXXVI. **The Influence of Fixing the Steel Plate with Braces on Behavior of Retrofitted RC Beams**
ARSLAN G., SEVÜK F., EKİZ İ.
14th International Conference on Composites/Nano Engineering (ICCE-14), Colorado, United States Of America, 02 July 2006, pp.52
- XXXVII. **Design of Reinforced Concrete Frame Elements Subjected to Cyclic Loading using the Efficiency Factor**
ARSLAN G.
Fib 2006 Naples Congress, Naples, Italy, 05 June 2006, pp.62-63
- XXXVIII. **Investigation on Redistribution Limits of Reinforced Concrete Beams**
ARSLAN G.
Proceedings of the 4th Jordanian Civil Engineering Conference, Amman, Jordan, 28 March 2006, pp.88-94
- XXXIX. **Finite Element Analysis of Retrofitted Reinforced Concrete Beams by Using Steel Plate**
SEVÜK F., ARSLAN G.
12th International Conference on Composites/Nano Engineering (ICCE-12), Tenerife, Spain, 01 August 2005, pp.121
- XL. **Contribution of Different Parameters on the Performance of Steel Plated RC Beams**
ARSLAN G., SEVÜK F., EKİZ İ.
12th International Conference on Composites/Nano Engineering (ICCE-12), Tenerife, Spain, 01 August 2005, pp.75
- XLI. **Retrofit of Damaged Reinforced Concrete Beams by Using steel plate**
SEVÜK F., ARSLAN G.
Structures Congress, ASCE, New York, United States Of America, 21 April 2005, pp.110
- XLII. **Çelik Plaka ile Güçlendirilen Betonarme Kirişlerde Yan Plakaların Etkisi**
SEVÜK F., ARSLAN G., EKİZ İ.
Deprem Kongresi, Kocaeli, Turkey, 23 March 2005, pp.115-121
- XLIII. **Sonlu Eleman Çözümlemelerinde a/d Oranı ve Ağ Boyutunun Yük Taşıma Kapasitesi Tahminine Etkileri**
ARSLAN G.
6th International Conference on Advance Civil Engineering (ACE), İstanbul, Turkey, 06 October 2004, pp.77

XLIV. Kesme Açıklığının Kiriş Etkili Derinliğine Oranı (a/d) 2.5 olan Yüksek Mukavemetli Betonarme Kirişte Sonlu Eleman Boyutu Etkisi

ARSLAN G.

Küçükçekmece ve Yakın Çevresi Teknik Kongresi, İstanbul, Turkey, 08 October 2003, pp.188-195

Supported Projects

ARSLAN G., AKKAYA H. C., AYDEMİR C., Project Supported by Higher Education Institutions, Betonarme Derin Kirişlerin Farklı Lifli Polimerlerle Kesmeye Karşı Güçlendirilmesi, 2021 - 2023

ARSLAN G., BİRİNCİOĞLU M. İ., Project Supported by Higher Education Institutions, Çelik Lifli Betonarme Yüksek Kirişlerde Kesme Davranışının İncelenmesi, 2020 - 2023

ARSLAN G., ÖZTÜRK M., Project Supported by Higher Education Institutions, YÜKSEK FIRIN CÜRUFU ESASLI GEOPOLİMER BETONDAN ÜRETİLEN KİRİŞLERİN DAVRANIŞININ İNCELENMESİ, 2020 - 2023

SEVİM B., ARSLAN G., BEKİROĞLU S., AYVAZ Y., ALEMDAR F., Project Supported by Higher Education Institutions, Ölçeklendirilmiş Betonarme Çerçevelerin Dinamik Davranışının Belirlenmesi, 2017 - 2020

ARSLAN G., Project Supported by Higher Education Institutions, BETONARME KOLONLARIN YATAY YÜKLER ALTINDAKİ DAVRANIŞI, 2016 - 2020

ARSLAN G., ARABACI R. M., Project Supported by Higher Education Institutions, Betonarme Kirişlerin Çelik Levhalarla Güçlendirilmesinin Dayanım Değişimine Etkisinin İncelenmesi, 2018 - 2018

ARSLAN G., Özgen U., Project Supported by Higher Education Institutions, Etriyesiz bazalt lifli betonarme kirişlerin eğilme dayanımı, 2017 - 2018

BEKİROĞLU S., ALEMDAR F., ARSLAN G., AYVAZ Y., SEVİM B., YILMAZ O., Project Supported by Higher Education Institutions, Alın Levhalı Bulonlu ve Alın Levhasız Bulonlu Çelik Kolon-Kiriş Birleşimlerinin Deneysel ve Sonlu Elemanlar Analizleri ile Karşılaştırılması, 2015 - 2018

ARSLAN G., Project Supported by Higher Education Institutions, ETRİYESİZ POLİPROPİLEN LİFLİ BETONARME KİRİŞLERİN KESME MUKAVEMETİ, 2016 - 2017

ARSLAN G., Other International Funding Programs, Tersinir Yükler Altında Betonarme Çubukların Kesme Mukavemeti, 2004 - 2007

Metrics

Publication: 106

Citation (WoS): 196

Citation (Scopus): 507

H-Index (WoS): 7

H-Index (Scopus): 12