

Assoc. Prof. Rıza POLAT

Personal Information

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Address: Atatürk Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü

Education Information

Postgraduate, Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2003 - 2017

Doctorate, Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2007 - 2013

Undergraduate, Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1999 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Genleştirilmiş Perlit Agregası, Nano ve Mikro Boyutta CaO ve MgO ve Kil'in Yüksek Mukavemetli Betonların Otojen Rötrelere Üzerindeki Etkisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2013

Postgraduate, Genleştirilmiş Perlit ve Pomza ile Hava Sürükleyici Katkının Betonda Kılcal Geçirimsizlik ve Don Hasarına Etkisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2007

Research Areas

Civil Engineering, Building materials, Materials in Civil Engineering, Concrete Technology, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Assistant Professor, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2018

Research Assistant PhD, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - 2014

Research Assistant, Ataturk University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2010 - 2013

Academic and Administrative Experience

Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Atatürk Üniversitesi, Hınıs Meslek Yüksekokulu, 2015 - 2017

Courses

Bitirme Projesi II, Undergraduate, 2018 - 2019, 2019 - 2020
İleri Yapı Malzemeleri, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021
Bitirme Projesi II, Undergraduate, 2018 - 2019, 2019 - 2020
Yapı İşletmesi ve Şantiye Tekniği, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
İnşaat Mühendisliği Seçmeli Tasarımı II, Undergraduate, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği I, Undergraduate, 2020 - 2021
Polimer ve Geopolimer Harç ve Betonlar, Doctorate, 2018 - 2019, 2019 - 2020
İleri Yapı Malzemeleri, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021
Yapı Malzemeleri, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
İleri Beton Teknolojisi, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
İnşaat Mühendisliği Seçmeli Tasarımı II, Undergraduate, 2018 - 2019, 2019 - 2020
İş Sağlığı ve Güvenliği I, Undergraduate, 2020 - 2021
Yapı Malzemeleri, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
Yapı İşletmesi ve Şantiye Tekniği, Undergraduate, 2017 - 2018, 2018 - 2019
Bitirme Projesi I, Undergraduate, 2017 - 2018, 2019 - 2020
Bitirme Projesi I, Undergraduate, 2017 - 2018, 2019 - 2020
İnşaat Mühendisliği Seçmeli Tasarımı I, Undergraduate, 2017 - 2018, 2019 - 2020
İnşaat Mühendisliği Seçmeli Tasarımı I, Undergraduate, 2017 - 2018, 2019 - 2020
İnşaat Mühendisliğine Giriş, Undergraduate, 2018 - 2019
İnşaat Mühendisliğine Giriş, Undergraduate, 2018 - 2019
İnşaat Mühendisliği Laboratuvarı I, Undergraduate, 2017 - 2018
İnşaat Mühendisliği Laboratuvarı I, Undergraduate, 2017 - 2018
Malzeme Bilimi, Undergraduate, 2017 - 2018
Malzeme Bilimi, Undergraduate, 2017 - 2018
İnşaat Mühendisliği Laboratuvarı II, Undergraduate, 2014 - 2015
İnşaat Mühendisliği Laboratuvarı II, Undergraduate, 2014 - 2015

Advising Theses

Polat R., Isparta Gölcük Yöresi Volkanik Külünden Üretilen Geopolimer Betonun Özelliklerinin Fabrika Atıkları Ve Nano Malzemeler İle İyileştirilmesi, Doctorate, Y.Yegin(Student), 2020
Polat R., Kırmızı çamur ve yüksek fırın cürufunun perlit esaslı geopolimer beton özelliklerine etkisi, Postgraduate, FAKBULUT(Student), 2020
Polat R., Geopolimer esaslı malzemelerde karışım yöntemleri ve kür koşullarının etkisinin araştırılması, Postgraduate, E.DİŞÇİ(Student), 2019
Polat R., Ahlat Taşı Tozundan Geopolimer Üretiminin Araştırılması, Postgraduate, S.MURAT(Student), 2019
Polat R., JEOTERMAL SULARIN FARKLI TİP ÇİMENTO İLE ÜRETİLEN HARÇLARIN ÖZELLİKLERİNE ETKİSİNİN ARAŞTIRILMASI, Postgraduate, S.ÇOMAKLI(Student), 2019
Polat R., Polimer betonların özelliklerinde atık lastik kullanımının etkisi, Postgraduate, M.Halil(Student), 2017
Polat R., Halloysit nano-kil, nano-Sio2 ve nano-Cao'in çimento esaslı harçlar üzerindeki etkilerinin araştırılması, Postgraduate, A.WAKIL(Student), 2017

Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2020
Doctorate, Doctorate, Atatürk Üniversitesi, December, 2020
Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2020
Post Graduate, Post Graduate, Atatürk Üniversitesi, February, 2020
Post Graduate, Post Graduate, Atatürk Üniversitesi, February, 2020

Doctoral Examination, Doctoral Examination, İnönü Üniversitesi, December, 2019
Doctorate, Doctorate, Atatürk Üniversitesi, September, 2019
Appointment Academic Staff, Appointment Academic Staff, İnönü Üniversitesi, September, 2019
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, July, 2019
Post Graduate, Yüksek Lisans Tez Savunması, Atatürk Üniversitesi, August, 2018
Post Graduate, Yüksek Lisans Tez Savunması, İnönü Üniversitesi, July, 2018
Appointment Academic Staff, Appointment Academic Staff, Atatürk Üniversitesi, June, 2018
Doctoral Examination, Doktora Yeterlilik Sınavı, Atatürk Üniversitesi, July, 2017
Post Graduate, Yüksek Lisans Tez Savunması, Atatürk Üniversitesi, July, 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Influence of singular and binary nanomaterials on the physical, mechanical and durability properties of mortars subjected to elevated temperatures and freeze-thaw cycles**
Polat R., Qarluq A. W. , Karagöl F.
Construction And Building Materials, vol.295, no.123608, pp.69-82, 2021 (Journal Indexed in SCI)
- II. **Mechanical and physical behavior of cement paste and mortar incorporating nano-CaO**
Polat R., Demirboga R., Karagöl F.
STRUCTURAL CONCRETE, vol.20, pp.361-370, 2019 (Journal Indexed in SCI)
- III. **The influence of lightweight aggregate, freezing-thawing procedure and air entraining agent on freezing-thawing damage**
Karagöl F., Yeğın Y., Polat R., Benli A., Demirboga R.
STRUCTURAL CONCRETE, vol.19, pp.1328-1340, 2018 (Journal Indexed in SCI)
- IV. **The influence of expanded perlite aggregate on compressivestrength, linear autogenous shrinkage, restrained shrinkage, heatof hydration of cement-based materials**
Polat R., Demirboğa R., Karagöl F.
Structural Concrete, vol.19, no.6, pp.1771-1781, 2018 (Journal Indexed in SCI Expanded)
- V. **The effect of nano-MgO on the setting time, autogenous shrinkage, microstructure and mechanical properties of high performance cement paste and mortar**
POLAT R., Demirboğa R., KARAGÖL F.
Construction and Building Materials, vol.156, pp.208-218, 2017 (Journal Indexed in SCI)
- VI. **The effect of antifreeze additives on fresh concrete subjected to freezing and thawing cycles**
POLAT R.
COLD REGIONS SCIENCE AND TECHNOLOGY, vol.127, pp.10-17, 2016 (Journal Indexed in SCI)
- VII. **Effects of the different atmospheric steam curing processes on the properties of self-compacting-concrete containing microsilica**
AYDIN A. C. , ÖZ A., POLAT R., MINDIVAN H.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.40, no.4, pp.1361-1371, 2015 (Journal Indexed in SCI)
- VIII. **Effects of nano and micro size of CaO and MgO, nano-clay and expanded perlite aggregate on the autogenous shrinkage of mortar**
POLAT R., Demirboga R., Khushefati W. H.
CONSTRUCTION AND BUILDING MATERIALS, vol.81, pp.268-275, 2015 (Journal Indexed in SCI)
- IX. **The effects of urea on strength gaining of fresh concrete under the cold weather conditions**
Demirboga R., KARAGÖL F., POLAT R., KAYGUSUZ M. A.
CONSTRUCTION AND BUILDING MATERIALS, vol.64, pp.114-120, 2014 (Journal Indexed in SCI)
- X. **Effect of heat treatment temperature on ground pumice activation in geopolymer composites**
YADOLLAHİ M. M. , DEMİRBOĞA R., POLAT R.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.21, no.3, pp.377-382, 2014 (Journal Indexed in SCI)
- XI. **Safety factor determining for space trusses by non-linear analysis and artificial neural network**

method

YADOLLAHI M. M. , KARAGÖL F., KAYGUSUZ M. A. , POLAT R., DEMİRBOĞA R.

SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.20, no.3, pp.277-284, 2013 (Journal Indexed in SCI)

- XII. **The influence of calcium nitrate as antifreeze admixture on the compressive strength of concrete exposed to low temperatures**

KARAGÖL F., Demirboga R., KAYGUSUZ M. A. , YADOLLAHI M. M. , POLAT R.

COLD REGIONS SCIENCE AND TECHNOLOGY, vol.89, pp.30-35, 2013 (Journal Indexed in SCI)

- XIII. **Effect of glass fiber-reinforced polymer and epoxy injection on compressive strength of elevated temperature damaged concrete**

DEMİRBOĞA R., KAYGUSUZ M. A. , POLAT R.

FIRE AND MATERIALS, vol.37, no.2, pp.100-113, 2013 (Journal Indexed in SCI)

- XIV. **The influence of lightweight aggregate on the physico-mechanical properties of concrete exposed to freeze-thaw cycles**

POLAT R., Demirboga R., Karakoc M. B. , TÜRKMEN I.

COLD REGIONS SCIENCE AND TECHNOLOGY, vol.60, no.1, pp.51-56, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Erzurum Pasinler Bölgesi Perlitinin Geopolimer Üretiminde Kullanımının Araştırılması**
Polat R., Akbulut F., Karagöl F.
Türk Doğa ve Fen Dergisi, vol.10, no.1, pp.37-45, 2021 (International Refereed University Journal)
- II. **Halloysit Nano-Kil, Nano-SiO₂ ve Nano-CaO'in Tekli ve İkili Kullanımının Çimento Esaslı Harçların Özelliklerine Etkileri**
Qarluq A. W. , POLAT R., KARAGÖL F.
Avrupa Bilim ve Teknoloji Dergisi, no.20, pp.815-826, 2020 (Refereed Journals of Other Institutions)
- III. **The Effect of Cement Type and the Atmospheric Steam Curing Cycles on the Properties of Variable Types of Self-Compacting Lightweight Concrete**
Aydın A. C. , Gül M. S. , Öz A., Polat R., Kotan T., Kurt M.
Journal of Civil, Construction and Environmental Engineering, vol.3, pp.39-46, 2018 (Refereed Journals of Other Institutions)
- IV. **The Correlation Between Aggregate Shape and Compressive Strength of Concrete Digital Image Processing Approach**
POLAT R., MOHABBI YADOLLAHI M., SAĞSÖZ A. E. , ARASAN S.
International Journal of Structural and Civil Engineering Research, vol.2, 2013 (Refereed Journals of Other Institutions)
- V. **Behavior Investigation of NaOH Activated Pumice Based Geopolymer Composites Exposed to Elevated Temperature**
MOHABBI YADOLLAHI M., DEMİRBOĞA R., POLAT R., ATASHAFRAZEH M.
International Journal of Structural and Civil Engineering Research, vol.2, 2013 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Yüksekte Çalışmalarda İş Sağlığı ve Güvenliği**
Polat R.
in: Maden ve Yapı İşlerinde İSG, Dr. Öğr. Üyesi ALİ ÖZ Dr. Öğr. Üyesi YUNUS EMRE BENKLİ, Editor, Atatürk Üniversitesi Açık Öğretim Yayınları, Erzurum, pp.241-270, 2019
- II. **Yapı İşlerinde Kullanılan İş Ekipmanlarının Sağlık ve Güvenlik Şartları**
Polat R.

in: Maden ve Yapı İşlerinde İSG, Dr. Öğr. Üyesi ALİ ÖZ Dr. Öğr. Üyesi YUNUS EMRE BENKLİ, Editor, Atatürk Üniversitesi Açık Öğretim Yayınları, Erzurum, pp.271-303, 2019

III. Yapı Malzemeleri Agregalar, Bağlayıcı ve Yapay Taş Malzemeleri

Polat R.

in: Bina ve Yapım Bilgisi Bölüm 3, Ramazan DEMİRBOĞA, Editor, Atatürk Üniversitesi Açıköğretim Fakültesi Yayınları, Erzurum, pp.1-15, 2015

IV. Yapı Malzemeleri Cam, Metal, Plastik ve Yalıtım Malzemeleri

Polat R.

in: Bina ve Yapım Bilgisi Bölüm 4, Ramazan DEMİRBOĞA, Editor, Atatürk Üniversitesi Açıköğretim Fakültesi Yayınları, Erzurum, pp.1-15, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Properties of Perlite-Based Geopolymer Concrete with Red Mud**
Turhan D., Karagöl F., Polat R.
. Phenomenological Aspects in Civil Engineering (PACE 2021), Erzurum, Turkey, 20 - 23 June 2021, pp.672-678
- II. **The effect of waste mineral additives and long-term moisture insulation in volcanic ash-based geopolymer concretes**
Yegin Y., Polat R., Karagöl F., Demirboğa R.
International Symposium on Applied Sciences and Engineering (ISASE2021), Erzurum, Turkey, 7 - 09 April 2021, pp.188-193
- III. **The Effect Of Elevated Temperature On Self-Compacting HybridFiber Concretes Containing Mineral Admixture3. ICOCEE – CESME, April 24-27, 2018**
ÖZ A., AYDIN A. C. , POLAT R.
3.ICOCEE-3. International Conference on Civil and Environmental Engineering, 24 - 27 April 2018
- IV. **The Effect of Waste Tire Usage on Strength Properties of Polymer Concrete**
AKIN M. H. , POLAT R.
International Conference on Multidisciplinary, Engineering, Science, Education and Technology (IMESET'17 Bitlis), 27 - 29 October 2017
- V. **The Effect of Set Accelerating Admixture on Mechanical and Physical Properties of Mortar Containing Mineral Additive**
TOSUN Y., POLAT R., KARAGÖL F.
Uluslararası Yapılarda Kimyasal Katkılar 5. Sempozyumu ve Sergisi Chemical Admixtures on Structures5 th International Symposium and Exhibition, 19 - 20 October 2017
- VI. **The Investigation of Properties of Mortars with Mineral and Antifreeze Additives Exposed to Freeze-Thaw**
KARAGÖL F., POLAT R., TOSUN Y.
Uluslararası Yapılarda Kimyasal Katkılar 5. Sempozyumu ve Sergisi Chemical Admixtures on Structures5th International Symposium and Exhibition, 19 - 20 October 2017
- VII. **Comparison of Nano and Micro Sizes of CaO andMgO on the Physical and Mechanical Properties ofCement Paste and Mortar**
POLAT R., DEMİRBOĞA R., KARAGÖL F.
International Conference on Engineering And Natural Sciences, 24 - 28 M a y 2 0 1 6 / S a r a j e v o., 24 - 28 May 2016
- VIII. **Influence of Nano clay on Properties of CementPaste and Mortar**
POLAT R., DEMİRBOĞA R., KARAGÖL F.
International Conference on Engineering And Natural Sciences, 24 - 28 M a y 2 0 1 6 / S a r a j e v o., 24 - 28 May 2016
- IX. **The effect of nano MgO on the properties of cement composites A Review**
POLAT R., DEMİRBOĞA R., ELMAS B.

International Conference on Engineering Education and Research 2015, Medine, Saudi Arabia, 20 - 21 December 2015

- X. **Hidrolik Kireçli Harçlarda Uçucu Kül Kullanımı**
TOSUN Y., OLTULU M., POLAT R., ŞAHİN R., BİNGÖL A. F.
TarihiEserlerinGüçlendirilmesiveGeleceğeGüvenleDevredilmesi, Turkey, 1 - 02 October 2015
- XI. **The Effects of Silica Modulus and Aging on Compressive Strength of NaOH Activated Pumice Based Geopolymer Composites**
MOHABBI YADOLLAHI M., DEMİRBOĞA R., POLAT R., MOTAMADNIA A.
International Conference on Civil Engineering Architecture Urban Sustainable Development. İslamic Azad University, Tebriz-Branch, 18-19 December 2013., 18 - 19 December 2013
- XII. **Steel Fiber Effect in Bending and Compressive Strength Enhancement of Geopolymer Composite**
MOHABBI YADOLLAHI M., KAYGUSUZ M. A. , POLAT R., DEMİRBOĞA R., GÜL R.
ECCM 15 – 15th European Conference on Composite Materials, Venice, Italy, 24-28 June 2012, 24 - 28 June 2012
- XIII. **The Effect of Initial Geometric Imperfection on the Load Bearing Capacity of Double Layer Barrel Vault Space Structures**
MOHABBI YADOLLAHI M., GÜL R., POLAT R., YADOLLAHI B. M. , GÜL M. S.
Computational Methods in Structural Dynamics and Earthquake Engineering, III ECCOMAS Thematic Conference on, Corfu, Greece, 26–28 May 2011, COMPDYN 2011., 26 - 28 May 2011, pp.51-56
- XIV. **Using Applicable and User Friendly Methods in Education**
MOHABBI YADOLLAHI M., GOHARKHANEH ASLİ F., GÜL R., POLAT R.
Madinah al-Munawarah, Kingdom of Saudi Arabia, 25-27, December 2011., 25 - 27 December 2011, pp.20-25
- XV. **Yapay Sinir Ağları Yöntemi ile Betonun Elastik ve Kayma Modüllerinin Bulunması**
YADOLLAHI M. M. , DEMİRBOĞA R., POLAT R., KARAGÖL F., KAYGUSUZ M. A.
I. Ulusal Ege Kompozit Malzemeler Sempozyumu, İzmir, Turkey, 17 - 19 November 2011
- XVI. **Determining Appropriate Safety Factor for Space Trusses by Nonlinear Analysis and ANN Method**
MOHABBI YADOLLAHI M., ZAMANLOU H., POLAT R., DEMİRBOĞA R.
International ICCES MM 2011 September 6-10, 2011, Emirgan Hotel, Zonguldak, Turkey”, 6 - 10 September 2011
- XVII. **Estimating Concrete Compressive Strength Produced By GFRP And Pozzolanic Materials Exposed To Fire Using Ann Method**
MOHABBI YADOLLAHI M., DEMİRBOĞA R., KAYGUSUZ M. A. , POLAT R., KARAGÖL F.
FIBRE CONCRETE 2011. Prague, 8th – 9th September 2011., 8 - 09 September 2011, pp.25-30
- XVIII. **The effects of the Urea on cold weather strength gaining of fresh concrete**
DEMİRBOĞA R., KARAGÖL F., POLAT R., KAYGUSUZ M. A.
International Balkans Conference on Challenges of Civil Engineering, BCCCE, 19-21 May 2011, EPOKA University, Tirana, ALBANIA., 19 - 21 May 2011, pp.25-30
- XIX. **The Influence of Expanded Perlite, Pumice Aggregate and Air Entraining Agent on the Concrete exposed to the Freezing – Thawing Damage**
POLAT R., Demirboğa R., Karakoç M. B. , Türkmen İ.
3rd International Symposium on Environment, Athens, Greece, 22 - 25 May 2008, pp.1-5

Supported Projects

POLAT R., KARAGÖL F., DURSUNÜSTÜN M. E. , Project Supported by Higher Education Institutions, Servis Ömrü Boyunca Sıcak Suya Maruz Kalan Çimento Esaslı Malzemelerin Mekanik ve Durabilite Özelliklerindeki Değişimin İncelenmesi, 2021 - Continues

KARAGÖL F., TURHAN D., YAZICI N., POLAT R., Project Supported by Higher Education Institutions, Taze halde soğuk havaya maruz kalan taze ve sertleşmiş haldeki geopolimer betonun mekanik ve içyapı özelliklerine antifriz katkıların etkisi, 2021 - Continues

POLAT R., DİKİCİOĞLU B., YILDIRIM T., ARSLAN S., POLAT G., Project Supported by Higher Education Institutions, Kendiliğinden Yerleşen Mineral Katkılı Lifli Betonların Yangın Sonrası Epoksi Enjeksiyonu ile Özelliklerinin İyileştirilmesi,

2019 - 2020

POLAT R., KARAGÖL F., YEGİN Y., DEMİRBOĞA R., Project Supported by Higher Education Institutions, Isparta Gölçük Yöresindeki Volkanik Külden Geopolimer Üretilmesinin Araştırılması, 2019 - 2020

POLAT R., SAĞSÖZ A. E. , ÇOMAKLI S., YILDIZ A. T. , Project Supported by Higher Education Institutions, Jeotermal tesislerin yapımında kullanılacak çimento tiplerinin betonun durabilitesine etkisinin araştırılması, 2019 - 2020

DEMİRBOĞA R., POLAT R., Project Supported by Higher Education Institutions, "ALKALİ AKTİVASYON METODUYLA POMZADAN GEOPOLİMER BETON ÜRETİMİ VE ÖZELLİKLERİNİN ARAŞTIRILMASI", 2012 - 2014

TUBITAK Project, Elâzığ Ferrokrom Cürufundan Alkali Aktivasyon Metoduyla Geopolimer Çimento Üretimini, 2011 - 2014

DEMİRBOĞA R., POLAT R., Project Supported by Higher Education Institutions, NANO MALZEMELERİN YÜKSEK MUKAVEMETLİ BETONLARIN OTOJENİK RÖTRELERİ ÜZERİNDEKİ ETKİLERİ", 2012 - 2013

DEMİRBOĞA R., POLAT R., Project Supported by Higher Education Institutions, GEOPOLİMER POMZA ÇİMENTOSUNUN HAMUR VE HARÇ ÖZELLİKLERİNİN ARAŞTIRILMASI, 2011 - 2013

Demirboğa R., Kan A., Polat R., Karagöl F., Mohabbı M., Project Supported by Higher Education Institutions, Geopolimer Pomza Çimentosunun Hamur ve Harç Özelliklerinin Araştırılması, 2011 - 2013

GÜL R., POLAT R., Project Supported by Higher Education Institutions, YÜKSEK SICAKLIK HASARINA UĞRAMIŞ BETONARME KİRİŞLERİN FRP İLE ONARIMI VE GÜÇLENDİRİLMESİ., 2010 - 2012

DEMİRBOĞA R., POLAT R., Project Supported by Higher Education Institutions, YÜKSEK MUKAVEMETLİ BETONLARIN OTOJENİK RÖTRELERİNİN ARAŞTIRILMASI VE YAPAY SİNİR AĞLARI İLE MODELLENMESİ., 2010 - 2012

Memberships / Tasks in Scientific Organizations

İnşaat Mühendisleri Odası, Member, 2006 - Continues

Scientific Refereeing

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, Other Journals, December 2020

İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other journals, December 2020

Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, Other journals, December 2020

JOURNAL OF BUILDING ENGINEERING, SCI Journal, December 2020

Cement Based Composites, Other Journals, October 2020

WASTE AND BIOMASS VALORIZATION, SCI Journal, October 2020

JOURNAL OF BUILDING ENGINEERING, SCI Journal, October 2020

CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, October 2020

CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, June 2020

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Journals, June 2020

CONSTRUCTION AND BUILDING MATERIALS, National Scientific Refreed Journal, May 2020

Civil Engineering Beyond Limits, Other Journals, May 2020

CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, May 2020

STRUCTURAL CONCRETE, SCI Journal, April 2020

STRUCTURAL CONCRETE, SCI Journal, March 2020

Erzincan University Journal of Science and Technology, Other Indexed Journal, February 2020

İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, February 2020

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, January 2020

Cement Based Composites, Other Indexed Journal, January 2020

Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, December 2019

STRUCTURAL CONCRETE, Journal Indexed in SCI-E, December 2019

STRUCTURAL CONCRETE, Journal Indexed in SCI-E, November 2019

CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCI-E, September 2019

CONSTRUCTION AND BUILDING MATERIALS, Journal Indexed in SCI-E, July 2019
ULUSLARARASI MÜHENDİSLİK ARAŞTIRMA VE GELİŞTİRME DERGİSİ, Other Indexed Journal, June 2019
STRUCTURAL CONCRETE, Journal Indexed in SCI-E, March 2019
STRUCTURAL CONCRETE, SCI Journal, February 2019
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, January 2019
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, November 2018
Construction and Building Materials, SCI Journal, November 2018
Construction and Building Materials, SCI Journal, August 2018
Techno- Press-Advances in Concrete Construction, An International Journal, Other Indexed Journal, July 2018
Construction and Building Materials, SCI Journal, July 2018
Construction and Building Materials, SCI Journal, May 2018
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, May 2018
Construction and Building Materials, SCI Journal, May 2018
Cold Region Science and Tecnology, SCI Journal, April 2018
Construction and Building Materials, SCI Journal, April 2018
Dergi park_Academic Platform-Journal of Engineering and Science, Other Indexed Journal, February 2018
Cold Region Science and Tecnology, SCI Journal, February 2018
Chemical Papers, SCI Journal, January 2018
Construction and Building Materials, SCI Journal, January 2018
TÜRK DOĞA VE FEN DERGİSİ, National Scientific Refreed Journal, October 2017
International Journal of Sustainable Built Enviroment, SCI Journal, September 2017
International Journal of Sustainable Built Enviroment, SCI Journal, August 2017
Construction and Building Materials, SCI Journal, July 2017
Construction and Building Materials, SCI Journal, May 2017
Cold Region Science and Tecnology, SCI Journal, March 2017
Cold Region Science and Tecnology , SCI Journal, February 2017
Cold Region Science and Tecnology , SCI Journal, January 2017
Construction and Building Materials , SCI Journal, January 2017
Construction and Building Materials , SCI Journal, January 2017
Cold Region Science and Tecnology, SCI Journal, December 2016
Cold Region Science and Tecnology, SCI Journal, December 2016
Cold Region Science and Tecnology, SCI Journal, November 2016
Structural Engineering and Mechanics, An International Journal, SCI Journal, October 2016
Construction and Building Materials, SCI Journal, April 2015
Cold Region Science and Tecnology, SCI Journal, March 2015
Cold Region Science and Tecnology, SCI Journal, March 2015
Cold Region Science and Tecnology, SCI Journal, December 2014

Edit Congress and Symposium Activities

International Conference on Engineering and Natural Sciences, Attendee, Sarajevo, Bosnia And Herzegovina, 2016
International Conference on Engineering Education and Research, Attendee, Al-Madinah, Saudi Arabia, 2015
5. Tairihi Eserlerin Güçlendirilmesi ve Geleceğe Güvenle Devredilmesi Sempozyumu, Attendee, Erzurum, Turkey, 2015
FIBRE CONCRETE 2011, Attendee, Praha, Czech Republic, 2011

Citations

Total Citations (WOS):294

h-index (WOS):8

Scholarships

TUBİTAK Projesi Bursiyer, TUBİTAK, 2012 - 2014

Awards

Polat R., Yayın Teşvik-Mechanical and physical behavior of cement paste and mortar incorporating nano-CaO, Tubitak-Ulakbim, May 2019

Polat R., Yayın Teşvik-The influence of expanded perlite aggregate on compressive strength, linear autogenous shrinkage, restrained shrinkage, heat of hydration of cement-based materials, Tubitak-Ulakbim, April 2019

POLAT R., Yayın Teşvik-The influence of lightweight aggregate, freezing-thawing procedure and air entraining agent on freezing-thawing damage, TUBİTAK-ULAKBİM, November 2018

POLAT R., Yayın Teşvik-The effect of nano-MgO on the setting time, autogenous shrinkage, microstructure and mechanical properties of high performance cement paste and mortar, TUBİTAK-ULAKBİM, November 2017

POLAT R., The effect of antifreeze additives on fresh concrete subjected to freezing and thawing cycles, TUBİTAK-ULAKBİM, July 2016

POLAT R., Yayın Teşvik-Effects of nano and micro size of CaO and MgO, nano-clay and expanded perlite aggregate on the autogenous shrinkage of mortar, TUBİTAK-ULAKBİM, May 2015

POLAT R., Yayın Teşvik-The effects of urea on strength gaining of fresh concrete under the cold weather conditions, TUBİTAK-ULAKBİM, August 2014

POLAT R., Yayın Teşvik-The influence of calcium nitrate as antifreeze admixture on the compressive strength of concrete exposed to low temperatures, TUBİTAK-ULAKBİM, June 2013

POLAT R., Yayın Teşvik-Effect of glass fiber-reinforced polymer and epoxy injection on compressive strength of elevated temperature damaged concrete, TUBİTAK-ULAKBİM, June 2013

POLAT R., Yayın Teşvik-The influence of lightweight aggregate on the physico-mechanical properties of concrete exposed to freeze-thaw cycles, TUBİTAK-ULAKBİM, February 2010

Non Academic Experience

Company, Özel Ticari Firmalar, İnşaat Mühendisi/Şirket Müdürü