

Prof. Dr. MUSTAFA TOKYAY

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1980 - 1987

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1978 - 1980

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1972 - 1978

Yaptığı Tezler

Doktora, Effects of a high-calcium and a low-calcium fly ash on the properties of portland cement fly ash pastes and mortars., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1987

Yüksek Lisans, Determination of the tensile fatigue properties of plain concrete by indirect tension tests, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1980

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1980 - Devam Ediyor

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, 2003 - 2006

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1999 - 2003

Yönetilen Tezler

TOKYAY M., Hydration behavior and strength development of mineral admixture incorporated calcium aluminate cements, Yüksek Lisans, K.CAN(Öğrenci), 2018

TOKYAY M., Maturity and equivalent age functions of mineral admixtures incorporated mortars, Yüksek Lisans, M.ATASEVER(Öğrenci), 2017

TOKYAY M., Low-energy alinite cement production by using soda waste sludge, Yüksek Lisans, G.OZAN(Öğrenci), 2016

TOKYAY M., Influence of mineral admixture type and amount on rheological properties of mortars, Doktora, M.IDREES(Öğrenci), 2016

ERDOĞAN S. T., TOKYAY M., Effect of particle size on heat of hydration of pozzolan incorporated cements, Yüksek Lisans, M.KEMAL(Öğrenci), 2014

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TOKYAY M., Pretreatment of peanut shells for co-production of glucose and concrete admixture, Yüksek Lisans, E.TATLI(Öğrenci), 2013

ERDOĞAN S. T., TOKYAY M., Early heat evolution of different sized portland cements incorporating ground granulated blast furnace slag, Yüksek Lisans, C.ÇETİN(Öğrenci), 2013

ÖZTÜRK A., TOKYAY M., A study on the utilization of waste cement-bonded wood particle board as a raw material and a secondary fuel in cement manufacturing, Yüksek Lisans, M.YILMAZ(Öğrenci), 2012

ERDOĞAN S. T., TOKYAY M., Early heat evolution in natural pozzolan-incorporated cement hydration, Yüksek Lisans, D.ÖVER(Öğrenci), 2012

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YAMAN İ. Ö., TOKYAY M., Monitoring the development of properties in fresh cement paste and mortar by ultrasonic waves, Doktora, Ö.KASAP(Öğrenci), 2009

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YAMAN İ. Ö., TOKYAY M., Various durability aspects of slurry infiltrated fiber concrete, Doktora, A.MOHAMED(Öğrenci), 2007

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TOKYAY M., Self-compacting concrete with high volumes of fly ash, Doktora, M.ŞAHMARAN(Öğrenci), 2006

TOKYAY M., Temperature effect on calcium aluminate cement based composite binders, Doktora, Ö.KIRCA(Öğrenci), 2006

TOKYAY M., Determination of mechanical properties of hybrid fiber reinforced concrete, Yüksek Lisans, A.EREN(Öğrenci), 2004

TOKYAY M., Çimentolu sistemlerin olgunluğu, Doktora, A.YILMAZ(Öğrenci), 2004

TOKYAY M., Hydration and properties of limestone incorporated cementitious systems, Doktora, K.ERDOĞDU(Öğrenci), 2002

TOKYAY M., Effect of cement type on concrete maturity, Yüksek Lisans, Ö.KASAP(Öğrenci), 2002

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TOKYAY M., The Effect of cement types on the corrosion of concrete reinforcement, Yüksek Lisans, A.TUGAN(Öğrenci), 1999

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TOKYAY M., Pressed lightweight masonry units from expanded ferrochromium slag, Yüksek Lisans, S.AZANBAEVA(Öğrenci), 1998

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1997

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TOKYAY M., Diatomitlerin çimentolu sistemlerde pozvolanik malzeme olarak kullanılabilirliği, Doktora, H.YILMAZ(Öğrenci), 1996

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Long-term mechanical performance of fly ash-incorporated reactive magnesia cements**
Ardoga M. K., YAMAN İ. Ö., TOKYAY M.
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- II. **Effect of particle size on early heat evolution of interground natural pozzolan blended cements**
Ardoğa M. K., Erdoğan S. T., Tokyay M.
CONSTRUCTION AND BUILDING MATERIALS, cilt.206, ss.210-218, 2019 (SCI-Expanded)
- III. **Extension of the chemical index model for estimating Alkali-Silica reaction mitigation efficiency to slags and natural pozzolans**
Mahyar M., Erdoğan S. T., Tokyay M.
CONSTRUCTION AND BUILDING MATERIALS, cilt.179, ss.587-597, 2018 (SCI-Expanded)
- IV. **Mechanical Properties of Cement Mortar Containing Heat-Treated Boron Derivative Waste at Elevated Temperatures**
KAMAN D. Ö., Koroglu L., AYAS E., TOKYAY M., GÜNEY Y.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, cilt.30, sa.6, 2018 (SCI-Expanded)
- V. **Hydration of alinite cement produced from soda waste sludge**
Ucal G. O., Mahyar M., TOKYAY M.

- CONSTRUCTION AND BUILDING MATERIALS, cilt.164, ss.178-184, 2018 (SCI-Expanded)
- VI. **Effect of particle size and slag content on the early hydration of interground blended cements**
Cetin C., ERDOĞAN S. T., TOKYAY M.
CEMENT & CONCRETE COMPOSITES, cilt.67, ss.39-49, 2016 (SCI-Expanded)
- VII. **Cement production by cement-bonded wood particleboard wastes**
Yilmaz M., TOKYAY M., YAMAN İ. Ö.
ADVANCES IN CEMENT RESEARCH, cilt.28, sa.4, ss.233-240, 2016 (SCI-Expanded)
- VIII. **Effect of Pozzolan Content and Fineness on Early Hydration of Interground Blended Cements**
ERDOĞAN S. T., Over D., TOKYAY M.
JOURNAL OF ADVANCED CONCRETE TECHNOLOGY, cilt.12, sa.3, ss.101-110, 2014 (SCI-Expanded)
- IX. **Properties of alinite cement produced by using soda sludge**
Kesim A. G., TOKYAY M., YAMAN İ. Ö., ÖZTÜRK A.
ADVANCES IN CEMENT RESEARCH, cilt.25, sa.2, ss.104-111, 2013 (SCI-Expanded)
- X. **Compressive strength development of calcium aluminate cement-GGBFS blends**
Kirca O., YAMAN İ. Ö., TOKYAY M.
CEMENT & CONCRETE COMPOSITES, cilt.35, sa.1, ss.163-170, 2013 (SCI-Expanded)
- XI. **Genetic expression programming for prediction of heat of hydration of the blended cements**
BİNİCİ H., KAYADELEN C., ÇAĞATAY İ. H., TOKYAY M., KAPLAN H.
SCIENTIFIC RESEARCH AND ESSAYS, cilt.4, sa.3, ss.141-151, 2009 (SCI-Expanded)
- XII. **Transport and mechanical properties of self consolidating concrete with high volume fly ash**
Sahmaran M., YAMAN İ. Ö., TOKYAY M.
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- XIII. **The effect of particle size distribution on the properties of blended cements incorporating GGBFS and natural pozzolan (NP)**
Binici H., Aksogan O., Cagatay I. H., Tokyay M., Emsen E.
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- XIV. **Development of high-volume low-lime and high-lime fly-ash-incorporated self-consolidating concrete**
Sahmaran M., Yaman O., Tokyay M.
MAGAZINE OF CONCRETE RESEARCH, cilt.59, sa.2, ss.97-106, 2007 (SCI-Expanded)
- XV. **Use of perlite as a pozzolanic addition in producing blended cements**
Erdem T. K., Meral Ç., Tokyay M., Erdogan T. Y.
CEMENT & CONCRETE COMPOSITES, cilt.29, sa.1, ss.13-21, 2007 (SCI-Expanded)
- XVI. **The early heat of hydration of blended cements incorporating GGBFS and ground basaltic pumice (GBP)**
BİNİCİ H., ÇAĞATAY İ. H., TOKYAY M., KÖSE M. M.
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- XVII. **Assessing the ITZ microcracking via scanning electron microscope and its effect on the failure behavior of concrete**
Akcaoglu R., Tokyay M., Celik T.
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- XVIII. **Effect of coarse aggregate size and matrix quality on ITZ and failure behavior of concrete under uniaxial compression**
Akcaoglu T., Tokyay M., Celik T.
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- XIX. **Effect of coarse aggregate size on interfacial cracking under uniaxial compression**
Akcaoglu T., Tokyay M., Celik T.
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- XX. **Comparison of intergrinding and separate grinding for the production of natural pozzolan and GBFS-incorporated blended cements**
Erdogdu K., Tokyay M., Turker P.
CEMENT AND CONCRETE RESEARCH, cilt.29, sa.5, ss.743-746, 1999 (SCI-Expanded)

- XXI. **Effect of chemical composition of clinker on grinding energy requirement**
Tokyay M.
CEMENT AND CONCRETE RESEARCH, cilt.29, sa.4, ss.531-535, 1999 (SCI-Expanded)
- XXII. **Specimen shape and size effect on the compressive strength of higher strength concrete**
Tokyay M., Ozdemir M.
CEMENT AND CONCRETE RESEARCH, cilt.27, sa.8, ss.1281-1289, 1997 (SCI-Expanded)
- XXIII. **EFFECTS OF 3 TURKISH FLY ASHES ON THE HEAT OF HYDRATION OF PC-FA PASTES**
TOKYAY M.
CEMENT AND CONCRETE RESEARCH, cilt.18, sa.6, ss.957-960, 1988 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Effects of experimental parameters in monitoring the hydration of cement mortars by ultrasonic testing**
Keskin Ö. K., YAMAN İ. Ö., Tokyay M.
RILEM Bookseries, cilt.6, ss.437-443, 2012 (Scopus)
- II. **Mühendislik Eğitimi ve Akreditasyonda Uluslararası Yaklaşımlar**
Yaman Y., Tokyay M., Gümrah F.
ODTÜlü Mezunlarla İletişim Dergisi, sa.36, ss.38-39, 2005 (Hakemsiz Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Low-energy alinite cement from soda sludge waste**
Uçal G. O., Mahyar M., Tokyay M., Yaman İ. Ö.
10th ACI/RILEM International Conference on Cementitious Materials and Alternative Binders for Sustainable Concrete, ICCM 2017, Montreal, Kanada, 2 - 04 Ekim 2017, ss.24-31
- II. **Sürdürülebilir Çimento Üretimi Çimentolu Yonga Levha Atıklarının Çimento Üretiminde Kullanılması**
YILMAZ M., TOKYAY M., YAMAN İ. Ö.
9. Ulusal Beton Kongresi, Türkiye, 16 - 18 Nisan 2015
- III. **Development of Inorganic Silicone Polymers from Silica Fume**
ERDOĞAN S. T., TOKYAY M.
7th Asian Symposium on Polymers in Concrete (ASPIC 2012), İstanbul, Türkiye, 3 - 05 Ekim 2012, ss.709-716
- IV. **Effect of ground perlite incorporation on the performance of blended cements**
Erdem T. K., Meral C., TOKYAY M., ERDOĞAN T. Y.
International Conference on Sustainable Construction Materials and Technologies, Coventry, Birleşik Krallık, 11 - 13 Haziran 2007, ss.279-285
- V. **Mechanical properties of hybrid fiber reinforced concrete**
Yurtseven A. E., YAMAN İ. Ö., TOKYAY M.
16th European Conference of Fracture, Alexandroupoli, Yunanistan, 3 - 07 Temmuz 2006, ss.207-208

Desteklenen Projeler

DUMAN A., MERİÇ NURSAL I., EROL F., TOKYAY M., KARAHAN DAĞ F., Yükseköğretim Kurumları Destekli Proje, YIPRANMIŞ DOLOMİT TAŞININ NANO TANELİ SOLÜSYONLARLA KENDİ YAPISINA UYGUN SAĞLAMLAŞTIRILMASI, 2018 - 2020
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Metrikler

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Akademi Dışı Deneyim

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