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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-7270-2020

ScopusID: 23980542300

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Education Information

Post Doctorate, Arizona State University, Civil Engineering, Sustainable Engineering And Built Environment, United States Of America 2014 - 2015

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, İnşaat, Turkey 2002 - 2009

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnşaat, Turkey 1999 - 2002

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, İnşaat, Turkey 1994 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Hafif agregalı betonun boşluk yapısının mekanik ve fiziksel özelliklere etkisi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2009

Postgraduate, Karot numunelerin basınç dayanımına etki eden faktörlerin araştırılması, Yildiz Technical University, Faculty of Civil Engineering, Civil Engineering Department, 2002

Research Areas

Civil Engineering, Building materials, Concrete Technology, Building Components and Materials, Applications of Insulation Materials, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2021 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2014 - 2021

Academic and Administrative Experience

Yapı Malzemeleri Laboratuvar Sorumlusu, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2017 - 2023

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yıldız Technical University, Faculty of Civil Engineering, Civil Engineering Department, 2020 - 2021

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yıldız Technical University, Faculty of Civil Engineering, Civil Engineering Department, 2017 - 2018

Bölüm Stratejik Plan Komisyonu Üyesi, Yıldız Technical University, Faculty of Civil Engineering, Civil Engineering Department, 2016 - 2018

Courses

Thermal Insulation Design of Buildings, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Water Insulation In Constructions, Undergraduate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017

Construction Materials, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Materials Science, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İnşaatta Kompozit Malzemeler, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2013 - 2014

RESEARCH METHODS AND SCIENTIFIC ETHICS, Postgraduate, 2018 - 2019

Malzeme Bilimi ve Mühendisliği, Undergraduate, 2018 - 2019

Betonarme Yapıların İncelenmesi ve Güçlendirilmesi, Undergraduate, 2016 - 2017, 2013 - 2014

Temel Bilgisayar Bilimleri, Undergraduate, 2013 - 2014, 2012 - 2013

Advising Theses

Kabay N., Endüstriyel bir atığın bağlayıcılık özelliğinin alternatif yöntemlerle araştırılması, Doctorate, S.BİLİCİ(Student), 2023

Kabay N., Production of artificial aggregate incorporating washing aggregate sludge and its utilization in concrete, Doctorate, H.ÖZKAN(Student), 2022

Kabay N., Alkali aktivatör ve kum oranının alkalilerle aktifleştirilmiş cürufun özelliklerine etkisi, Postgraduate, T.ÖMÜR(Student), 2022

Kabay N., Ponza tozu ve yüksek fırın cürufu esaslı alkali ile aktive edilmiş malzemenin fiziksel, mekanik ve içyapı özellikleri, Postgraduate, M.MERT(Student), 2022

Kabay N., Alternative Approaches for the Use of Aggregate Powder Waste in Cement Mortar, Postgraduate, A.SERHAT(Student), 2021

Kabay N., Mechanical and Durability Properties of Glass Fiber Reinforced Concrete, Postgraduate, B.AMED(Student), 2019

Kabay N., Polimer katkılı çimento esaslı kaplama malzemelerinin fiziksel ve mekanik özelliklerinin incelenmesi, Postgraduate, Ö.UMUT(Student), 2014

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2021

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2021

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, February, 2021

Post Graduate, Post Graduate, Tekirdağ Namık Kemal Üniversitesi, June, 2019

Post Graduate, Post Graduate, Sakarya Üniversitesi, June, 2019

Post Graduate, Post Graduate, Sakarya Üniversitesi, June, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, January, 2019

Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, December, 2017

Doctorate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2017

Doctorate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, May, 2017

Post Graduate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, May, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Innovative use of hazelnut shell ash as an alkali activator: A comparative analysis with commercial activators**
ÖMÜR T., Kanat D., KABAY N.
Journal of Building Engineering, vol.90, 2024 (SCI-Expanded)
- II. **Characterization of washing aggregate sludge waste as a novel supplementary cementitious material: Experimental study and life cycle assessment**
Miyan N., ÖMÜR T., Bilici S., Özkan H., KABAY N.
Journal of Environmental Management, vol.366, 2024 (SCI-Expanded)
- III. **Recycled waste concrete and metakaolin based alkali-activated paste: Characterization, optimization, and life cycle assessment**
Miyan N., Omur T., Amed B., Özkan H., Aydın R., Kabay N.
Construction and Building Materials, vol.416, 2024 (SCI-Expanded)
- IV. **Evaluation of the Effects of Untreated and Treated Sugarcane Bagasse Fibers and RHA on the Physicomechanical Characteristics of Cementitious Composites**
Datchossa A. T., Doko V. K., KABAY N., Olodo E. E. T., ÖMÜR T.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.48, no.1, pp.25-40, 2024 (SCI-Expanded)
- V. **The potential usage of waste ferrochrome slag in alkali-activated mixes**
Miyan N., Ömür T., Kabay N., Birol B.
JOURNAL OF BUILDING ENGINEERING, vol.75, no.15, pp.1-19, 2023 (SCI-Expanded)
- VI. **The Influence of Ground and Unground Rice Husk Ash on The Physico-mechanical and Microstructural Properties of Cement Mortars**
Datchossa A. T., Doko V. K., Kabay N., Olodo E. E. T., Ömür T.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, vol.47, no.4, pp.2189-2202, 2023 (SCI-Expanded)
- VII. **Effect of microfibers or SRA on the shrinkage and mechanical properties of alkali activated slag/fly ash-based mortars incorporating recycled fine aggregate**
Abolfathi M., Omur T., Kabay N.
CONSTRUCTION AND BUILDING MATERIALS, vol.373, pp.130883-130897, 2023 (SCI-Expanded)
- VIII. **Utilization and optimization of unweathered and weathered basic oxygen furnace slag aggregates in cement based mortar**
ÖMÜR T., Miyan N., KABAY N., Özkan H.
Journal of Building Engineering, vol.64, 2023 (SCI-Expanded)
- IX. **Experimental and Statistical Study on the Properties of Basic Oxygen Furnace Slag and Ground Granulated Blast Furnace Slag Based Alkali-Activated Mortar**
Özkan H., Miyan N., Kabay N., Ömür T.
MATERIALS, vol.16, no.6, pp.1-23, 2023 (SCI-Expanded)
- X. **Characterization of ferrochrome ash and blast furnace slag based alkali-activated paste and mortar**
Omur T., Miyan N., Kabay N., Birol B., Oktay D.
CONSTRUCTION AND BUILDING MATERIALS, vol.363, 2023 (SCI-Expanded)
- XI. **Effect of washing aggregate sludge waste on the properties of alkali-activated blast furnace slag**
Bilici S., KABAY N., Miyan N., ÖMÜR T., Ozkan H.
JOURNAL OF BUILDING ENGINEERING, vol.63, 2023 (SCI-Expanded)

- XII. **The effect of alkaline activators and sand ratio on the physico-mechanical properties of blast furnace slag based mortars**
ÖMÜR T., KABAY N., Miyan N., Ozkan H., Ozkan C.
JOURNAL OF BUILDING ENGINEERING, vol.58, 2022 (SCI-Expanded)
- XIII. **Manufacture of sintered aggregate using washing aggregate sludge and ground granulated blast furnace slag: Characterization of the aggregate and effects on concrete properties**
Ozkan H., KABAY N.
CONSTRUCTION AND BUILDING MATERIALS, vol.342, 2022 (SCI-Expanded)
- XIV. **Properties of Cold-Bonded and Sintered Aggregate Using Washing Aggregate Sludge and Their Incorporation in Concrete: A Promising Material**
Ozkan H., KABAY N., Miyan N.
SUSTAINABILITY, vol.14, no.7, 2022 (SCI-Expanded)
- XV. **Lightweight Cement-Based Composites Incorporating Hollow Glass Microspheres: Fresh and Hardened State Properties**
Kabay N., Kızılkant A. B., Aktürk B., Kahraman Y.
Teknik Dergi, vol.33, no.1, pp.1-25, 2022 (SCI-Expanded)
- XVI. **Basic oxygen furnace and ground granulated blast furnace slag based alkali-activated pastes: Characterization and optimization**
KABAY N., Miyan N., Özkan H.
Journal of Cleaner Production, vol.327, 2021 (SCI-Expanded)
- XVII. **Utilization of pumice powder and glass microspheres in cement mortar using paste replacement methodology**
KABAY N., Miyan N., Özkan H.
Construction and Building Materials, vol.282, 2021 (SCI-Expanded)
- XVIII. **Glass Fibre Reinforced Sprayed Concrete: Physical, Mechanical and Durability Properties**
Kabay N., Amed B.
Journal Of Materials In Civil Engineering-Asce, vol.33, no.1, pp.1-10, 2021 (SCI-Expanded)
- XIX. **Effect of calcium hydroxide on fresh state behavior of sodium carbonate activated blast furnace slag pastes**
Aktürk B., Kızılkant A. B., Kabay N.
CONSTRUCTION AND BUILDING MATERIALS, vol.212, pp.388-399, 2019 (SCI-Expanded)
- XX. **Elucidating the influences of compliant microscale inclusions on the fracture behavior of cementitious composites**
Das S., Aguayo M., KABAY N., Mobasher B., SANT G., Neithalath N.
CEMENT & CONCRETE COMPOSITES, vol.94, pp.13-23, 2018 (SCI-Expanded)
- XXI. **Porous inclusions as hosts for phase change materials in cementitious composites: Characterization, thermal performance, and analytical models**
Aguayo M., Das S., Castro C., KABAY N., Sant G., Neithalath N.
CONSTRUCTION AND BUILDING MATERIALS, vol.134, pp.574-584, 2017 (SCI-Expanded)
- XXII. **The influence of microencapsulated phase change material (PCM) characteristics on the microstructure and strength of cementitious composites: Experiments and finite element simulations**
Aguayo M., Das S., Maroli A., Kabay N., Mertens J. C. E., Rajan S. D., Sant G., Chawla N., Neithalath N.
CEMENT & CONCRETE COMPOSITES, vol.73, pp.29-41, 2016 (SCI-Expanded)
- XXIII. **Comparative Experimental Study of Mortars Incorporating Pumice Powder or Fly Ash**
KIZILKANAT A. B., Oktay D., Kabay N., Tufekci M.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.28, no.2, 2016 (SCI-Expanded)
- XXIV. **Effect of Prewetted Pumice Aggregate Addition on Concrete Properties under Different Curing Conditions**
KABAY N., KIZILKANAT A. B., Tufekci M. M.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.60, no.1, pp.89-95, 2016 (SCI-Expanded)
- XXV. **Usability of Raw Rice Husk Instead of Polypropylene Fibers in High-Strength Concrete under High**

Temperature

AKTÜRK B., YÜZER N., KABAY N.

JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.28, no.1, 2016 (SCI-Expanded)

- XXVI. **Mechanical properties and fracture behavior of basalt and glass fiber reinforced concrete: An experimental study**

KIZILKANAT A. B., KABAY N., Akyuncu V., Chowdhury S., Akca A. H.

CONSTRUCTION AND BUILDING MATERIALS, vol.100, pp.218-224, 2015 (SCI-Expanded)

- XXVII. **Properties of concrete with pumice powder and fly ash as cement replacement materials**

KABAY N., Tufekci M. M., KIZILKANAT A. B., Oktay D.

CONSTRUCTION AND BUILDING MATERIALS, vol.85, pp.1-8, 2015 (SCI-Expanded)

- XXVIII. **Abrasion resistance and fracture energy of concretes with basalt fiber**

Kabay N.

CONSTRUCTION AND BUILDING MATERIALS, vol.50, pp.95-101, 2014 (SCI-Expanded)

- XXIX. **Thermo-physical properties of concrete exposed to high temperature**

Kızılkanat A. B., Yüzer N., Kabay N.

CONSTRUCTION AND BUILDING MATERIALS, vol.45, pp.157-161, 2013 (SCI-Expanded)

- XXX. **Influence of raw rice husk addition on structure and properties of concrete**

Yüzer N., Cinar Z., Aköz F., Biricik H., Gurkan Y. Y., Kabay N., Kızılkanat A. B.

CONSTRUCTION AND BUILDING MATERIALS, vol.44, pp.54-62, 2013 (SCI-Expanded)

- XXXI. **Effect of prewetting methods on some fresh and hardened properties of concrete with pumice aggregate**

Kabay N., Aköz F.

CEMENT & CONCRETE COMPOSITES, vol.34, pp.503-507, 2012 (SCI-Expanded)

- XXXII. **Prediction of time to crack initiation in reinforced concrete exposed to chloride**

Yuezer N., Aköz F., Kabay N.

CONSTRUCTION AND BUILDING MATERIALS, vol.22, no.6, pp.1100-1107, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **The influence of curing conditions on physicomaterial properties of alkali-activated slag/fly ash based mortars**

Ömür T., Boylu S., Cafaloma T., Miyan N., Kabay N.

Recent Advances in Science and Engineering, no.2, pp.33-41, 2023 (Peer-Reviewed Journal)

- II. **Pumice as Precursor in Geopolymer Paste and Mortar**

Kabay N., Mert M., Miyan N., Ömür T.

Journal of Civil Engineering and Construction, vol.10, no.4, pp.225-236, 2021 (Peer-Reviewed Journal)

- III. **A COMPARATIVE STUDY ON THE PHYSICAL AND MECHANICAL PROPERTIES OF ALKALI ACTIVATED MATERIALS**

Kabay N., Miyan N.

Sigma Journal of Engineering and Natural Sciences, vol.38, no.2, pp.649-658, 2020 (ESCI)

- IV. **EFFECT OF QUARRY WASTE POWDER ON THE FRESH AND HARDENED PROPERTIES OF CEMENT MORTAR**

Kabay N., Musaoğulları S.

Sigma Journal of Engineering and Natural Sciences, vol.38, no.2, pp.639-648, 2020 (ESCI)

- V. **INVESTIGATION OF FACTORS AFFECTING CORE COMPRESSIVE STRENGTH AND NON-DESTRUCTIVE TESTING OF CONCRETE**

Kabay N., Aköz F.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.1, pp.171-182, 2020 (ESCI)

- VI. **A COMPARATIVE STUDY ON THE THERMAL PERFORMANCE OF MORTARS WITH DIFFERENT**

FORMULATIONS

Kabay N., Kızılkanaat A. B.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.1, pp.183-189, 2020 (ESCI)

VII. **Mechanical and Physical Properties of Lightweight Blocks with Expanded Perlite Aggregate**

Kabay N., Kızılkanaat A. B.

Uludağ University Journal of The Faculty of Engineering, vol.24, no.3, pp.47-58, 2019 (Peer-Reviewed Journal)

VIII. **GLASS FIBRE REINFORCED PRECAST CONCRETE CONTAINING HIGH CONTENT POZZOLANIC MATERIALS**

Amed B., Kabay N.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, pp.675-686, 2019 (Peer-Reviewed Journal)

IX. **Mechanical properties of concrete to concrete interfaces under uniaxial and shear forces**

Kabay N., Kızılkanaat A. B.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, pp.1037-1042, 2018 (ESCI)

X. **Hafif, Normal ve Yüksek Dayanımlı Betonların Termofiziksel Özelliklerinin Karşılaştırılması**

Aköz F., Yüzer N., Kabay N., Kızılkanaat A. B., Aktürk B.

Hazır Beton, vol.139, pp.81-86, 2017 (Peer-Reviewed Journal)

XI. **BASALT FIBERS AND MECHANICAL PROPERTIES OF BASALT FIBER REINFORCED CONCRETE**

Kızılkanaat A. B., Kabay N., Akyüncü V., Erdoğan G.

Sigma Journal of Engineering and Natural Sciences, vol.32, pp.444-452, 2014 (ESCI)

XII. **Physical and Thermo-Physical Properties of High Strength Concrete Containing Raw Rice Husk after High Temperature Effect**

Aktürk B., Yüzer N., Kabay N.

World Academy of Science, Engineering and Technology International Journal of Civil and Environmental Engineering, vol.8, pp.859-864, 2014 (Peer-Reviewed Journal)

XIII. **Properties of Cement Mortars Reinforced with Polypropylene Fibers**

Oktay D., Aktürk B., Kabay N.

Sigma Journal of Engineering and Natural Sciences, vol.32, no.2, pp.164-175, 2014 (ESCI)

XIV. **Mechanical Properties and Released Gas Analysis of High Strength Concrete with Polypropylene and Raw Rice Husk under High Temperature Effect**

Aktürk B., Yüzer N., Kabay N.

World Academy of Science, Engineering and Technology International Journal of Civil and Environmental Engineering, vol.7, no.11, pp.806-811, 2013 (Peer-Reviewed Journal)

XV. **Farklı Tür Agregaya İçeren Betonların Termo-Fiziksel Özellikleri**

Kabay N., Kızılkanaat A. B., Yüzer N.

CemenTürk, no.3, pp.58-63, 2012 (Peer-Reviewed Journal)

XVI. **Lightweight Concrete**

Kabay N., Aköz F.

Sigma Dergisi, vol.2, no.1, pp.181-192, 2009 (ESCI)

Books & Book Chapters

I. **Temel Yapı Malzemesi Deneyleri**

AKÖZ F., YÜZER N., ÇAKIR Ö., KABAY N., KIZILKANAT A. B., MAHSANLAR N.

Y.T.Ü. Basım-Yayın Merkezi, İstanbul, 2005

Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF PCM-INCORPORATED 3D-PRINTED ARTIFICIAL AGGREGATES ON THE PROPERTIES OF ALKALI-ACTIVATED SLAG CONCRETES**
Akpunar A. K., Kabay N., Ömür T.
9. ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ, İstanbul, Turkey, 29 April - 01 May 2023, pp.54-64
- II. **EFFECTS OF USING WASHING AGGREGATE SLUDGE ON ALKALI-ACTIVATED BLAST FURNACE SLAG BASED PASTES**
Bilici S., Kabay N.
JPEE 2022, Lisbon, Portugal, 9 - 11 November 2022, pp.1-14
- III. **COLD BONDED AGGREGATE MANUFACTURED USING WASHING AGGREGATE SLUDGE AND ITS EFFECTS ON CONCRETE PROPERTIES**
Özkan H., Kabay N., Miyan N., Ömür T.
Jornadas Portuguesas de Engenharia de Estruturas (JPEE - 2022), Lisbon, Portugal, 9 - 11 November 2022, pp.100-108
- IV. **THE INFLUENCE OF ALKALINE ACTIVATOR ON THE FRESH STATE PROPERTIES OF ALKALI-ACTIVATED SLAG PASTES**
Ömür T., Kabay N.
7 INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, İstanbul, Turkey, 16 - 18 April 2022, pp.504-511
- V. **UTILIZATION OF BASIC OXYGEN FURNACE SLAG IN GEOPOLYMER CONCRETE**
Kabay N., Özkan H., Miyan N.
CEES 2021, Coimbra, Portugal, 12 - 15 October 2021, pp.29
- VI. **UTILIZATION OF WASHING AGGREGATE SLUDGE IN MANUFACTURING ARTIFICIAL AGGREGATE**
Özkan H., Kabay N., Miyan N.
CEES 2021, Coimbra, Portugal, 12 - 15 October 2021, pp.30
- VII. **Evaluation of 3D Printability of Concrete Incorporating Recycled Aggregate Powder and PCM**
Akca A. H., Dinç Şengönül B., Ömür T., Üstündağ C. B., Kabay N., Çakır Ö., Yüzer N.
14th International Congress on Advances in Civil Engineering (ACE2020-21), İstanbul, Turkey, 6 - 08 September 2021, pp.282-289
- VIII. **The Effect of Alkaline Solutions on the Properties of Slag Geopolymer Mortar**
Kabay N., Ömür T., Miyan N., Özkan H.
14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 6 - 08 September 2021, pp.217-222
- IX. **The Utilization of Washing Aggregate Sludge Waste in Cement Mortar**
Kabay N., Özkan H., Musaoğulları A. S.
INTERNATIONAL CONFERENCE ON "CEMENT - BASED MATERIALS TAILORED FOR A SUSTAINABLE FUTURE", İstanbul, Turkey, 27 - 29 May 2021, pp.551-557
- X. **Utilization of Basalt Powder as Geopolymeric Binder**
Aktürk B., Kızılkant A. B., Kabay N., Akyüncü V.
INTERNATIONAL CONFERENCE ON "CEMENT - BASED MATERIALS TAILORED FOR A SUSTAINABLE FUTURE", İstanbul, Turkey, 27 - 29 May 2021, pp.491-498
- XI. **The Effect of Aggregate Sludge Waste on Durability Properties of Cement Mortars**
Özkan H., Kabay N., Musaoğulları S.
5th Eurasia Waste Management Symposium, İstanbul, Turkey, 26 - 28 October 2020, pp.275-279
- XII. **MİNERAL ve KİMYASAL KATKININ ÇİMENTO HAMURU REOLOJİSİ ve DAYANIM GELİŞİMİNE ETKİSİ**
Oktay D., Aktürk B., Kızılkant A. B., Kabay N., Özkan H., Özkan Ç.
10th International Concrete Congress, Bursa, Turkey, 02 May 2019, pp.495-503
- XIII. **Time Dependent Microstructure and Compressive Strength Development of Sodium Carbonate Activated Blast Furnace Slag**

- Aktürk B., Kızılkanaat A. B., Kabay N.
10th International Concrete Congress, Bursa, Turkey, 02 May 2019, pp.51-60
- XIV. **Mechanical and Thermal Insulation Properties of Lightweight Mortars with Perlite**
Akyuncu V., Kızılkanaat A. B., Kabay N.
International Conference on Innovative Engineering Applications (CIEA 2018)), Sivas, Turkey, 20 September 2018, pp.497-503
- XV. **Physical and Mechanical Properties of Cement Based Coating Materials**
Kabay N., Akyuncu V., Kızılkanaat A. B., Aktaş Ö. U.
International Conference on Innovative Engineering Applications (CIEA 2018), Sivas, Turkey, 20 September 2018, pp.504-511
- XVI. **Effect of Sodium Hydroxide on Fresh State Properties of Sodium Carbonate Activated Blast Furnace Slag Pastes**
Aktürk B., Kızılkanaat A. B., Kabay N.
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 September 2018, pp.1-8
- XVII. **AN INVESTIGATION ON THE PROPERTIES OF MORTARS INCORPORATING BASALT POWDER AND POLYPROPYLENE FIBER**
Kızılkanaat A. B., Akyüncü V., Kabay N.
8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, Elazığ, Turkey, 19 October 2017, pp.2930-2933
- XVIII. **BETON YAPILARDA SU YALITIMI UYGULAMALARI ÜZERİNE BİR ARAŞTIRMA**
Tüfekçi M. M., Gökçe A., Kabay N., Kızılkanaat A. B.
Beton 2017 Hazır Beton Kongresi, İstanbul, Turkey, 13 April 2017, pp.1
- XIX. **Properties of alkali activated mortars with combinations of different starting materials**
Aktürk B., Kızılkanaat A. B., Kabay N.
First International Conference on Bio-Based Building Materials., Clermont-Ferrand, France, 22 June 2015, pp.100
- XX. **A Comparative Study On The Thermo-Physical Properties Of Light-Weight, Normal-Weight And High-Strength Concrete**
Aköz F., Yüzer N., Kabay N., Kızılkanaat A. B., Aktürk B.
ERMCO 2015, İstanbul, Turkey, 04 June 2015, pp.100
- XXI. **Ham Pirinç Kabuğunun Yüksek Sıcaklık Etkisine Maruz Betonda Polipropilen Lif Yerine Kullanılabilirliğinin Araştırılması**
Aktürk B., Yuzer N., Kabay N., Biricik H.
9. Ulusal Beton Kongresi, Antalya, Turkey, 16 April 2015, pp.365-374
- XXII. **Effect of Lightweight Saturation Techniques on Concrete Properties**
Kabay N., Aköz F.
BETON 2011, İstanbul, Turkey, 20 - 22 October 2011, pp.130-139
- XXIII. **Behavior of High Strength Concrete with Raw Rice Husk Exposed to High Temperature Effect**
Aktürk B., Yüzer N., Kabay N.
Sustainable Intelligent Manufacturing - 2013, Portugal, Lisbon, Portugal, 26 - 29 June 2013, vol.1, pp.593-597
- XXIV. **Yüksek Sıcaklık Etkisinde Kalan Pirinç Kapçığı Katkılı Betonun Termofiziksel Özellikleri**
Yüzer N., Aköz F., Çınar Z., Biricik H., Kızılkanaat A. B., Kabay N., Yalçın Gürkan Y.
6. Ulusal Yapı Malzemesi Kongresi, İstanbul, Turkey, 7 - 09 November 2012, vol.1, pp.221-229
- XXV. **Kendiliğinden Yerleşen Betonda Su-Bağlayıcı Oranının ve Agregada Maksimum Dane Boyutunun Mekanik ve Reolojik Özelliklere Etkisi**
Kabay N., Kızılkanaat A. B., Ulukaya S.
İnşaat Mühendisliğinde 100.Yıl Teknik Kongre ve Sergisi, İstanbul, Turkey, 24 November 2012, pp.106-107
- XXVI. **Tarihi Yapılarda Özgün Malzeme Özelliklerinin Belirlenmesi Hünkar Kasrı Otağ ı Hümayun Örneği**
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Committee Member, 2021 - 2022

The Open Construction & Building Technology Journal, Committee Member, 2017 - 2022

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GALATAPORT İSTANBUL LİMAN İŞLETMECİLİĞİ ve YATIRIMLARI A.Ş., Scientific Consultancy, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey, 2018 - 2018

Ciner Yapı Teknik İnşaat Tic. A.Ş., Scientific Consultancy, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey, 2016 - 2017

Fikskim Pazarlama A.Ş., Project Consultancy, Yıldız Technical University, Turkey, 2013 - 2014

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Tasks In Event Organizations

Kabay N., 10. International Concrete Congress "Recent Advances In Concrete Technology", Scientific Congress, Bursa, Turkey, Mayıs 2019

Scientific Research / Working Group Memberships

Construction Materials Research Group, Yıldız Technical University, Türkiye, <https://avesis.yildiz.edu.tr/arastirma-grubu/cmrg>, 2021 - Continues

Mobility Activity

Post Doc, Post Doc, McMaster University, Canada, 2023 - 2024

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Metrics

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Congress and Symposium Activities

INTERNATIONAL CONFERENCE ON "CEMENT - BASED MATERIALS TAILORED FOR A SUSTAINABLE FUTURE", Session Moderator, İstanbul, Turkey, 2021

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Scholarships

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