

## **Doç. Dr. Gökhan KAPLAN**

### **Kişisel Bilgiler**

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### **Uluslararası Araştırmacı ID'leri**

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Publons / Web Of Science ResearcherID: HIZ-7664-2022  
Yoksis Araştırmacı ID: 45998

### **Eğitim Bilgileri**

Doktora, Manisa Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Türkiye 2012 - 2018  
Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2009 - 2012  
Lisans Yandal, Süleyman Demirel Üniversitesi, Türkiye 2005 - 2009

### **Yaptığı Tezler**

Doktora, Çimento teknolojisinde sürfaktanların kullanımı ile sürdürülebilir çimento üretimi, Manisa Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2018

### **Araştırma Alanları**

Yapı, Yapı Malzemesi

### **Akademik Unvanlar / Görevler**

Doç. Dr., Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2022 - Devam Ediyor  
Dr. Öğr. Üyesi, Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - 2022

### **Verdiği Dersler**

Seçmeli Tasarım II, Lisans, 2022 - 2023  
İnşaat Mühendisliği Uygulamaları, Lisans, 2022 - 2023  
Sürdürülebilir Çimento Üretimi, Yüksek Lisans, 2023 - 2024  
Ferro cement, Yüksek Lisans, 2022 - 2023  
Sülfatlı Ortamlara Maruz Beton, Yüksek Lisans, 2023 - 2024  
İnşaat Mühendisliği Uygulamaları, Lisans, 2022 - 2023  
Seçmeli Tasarım I, Lisans, 2023 - 2024  
İş Sağlığı ve Güvenliği II, Lisans, 2020 - 2021  
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## **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

- I. **Performance assessment and cost analysis of slag/metakaolin based rubberized semi-lightweight geopolymers with perlite aggregate: Sustainable reuse of waste tires**  
Bayraktar O. Y., Benli A., Bodur B., ÖZ A., KAPLAN G.  
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- II. **Assessment of the sustainability and producibility of adobe constructions reinforced with Ca-based binders: Environmental life cycle analysis (LCA) and 3D printability**  
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- III. **The behavior of cold-formed steel geopolimeric composites**  
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- IV. **Sustainable one-part alkali activated slag/fly ash Geo-SIFCOM containing recycled sands: Mechanical, flexural, durability and microstructural properties**  
Bayraktar O. Y., Bozkurt T. H., Benli A., KÖKSAL F., Türkoğlu M., KAPLAN G.  
Sustainable Chemistry and Pharmacy, cilt.36, 2023 (SCI-Expanded)
- V. **The Mechanical and Fracture Characteristics of Low Fiber Content Slurry-Infiltrated Fiber Concrete**  
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- VI. **Improving the eco-efficiency of fiber reinforced composite by ultra-low cement content/high FA-GBFS addition for structural applications: Minimization of cost, CO<sub>2</sub> emissions and embodied energy**  
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- VII. **Metakaolin-based geopolymers concretes for nuclear protection: On the perspective of physicochemical, durability, and microstructure**  
Bayrak B., Kaplan G., Öz A., Kavaz E., Çelebi O., Alcan H. G., Mohabbi M., Aydin A. C.  
STRUCTURAL CONCRETE, cilt.24, sa.5, ss.6644-6671, 2023 (SCI-Expanded)
- VIII. **Effect of using wastewater from the ready-mixed concrete plant on the performance of one-part alkali-activated GBFS/FA composites: Fresh, mechanical and durability properties**  
Bodur B., Bayraktar O. Y., Benli A., KAPLAN G., Tobbala D. E., Tayeh B.  
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- IX. **The plastic hinge length prediction of RC members by using ANN**  
Bayrak B., Akarsu O., KAPLAN G., AYDIN A. C.  
Sadhana - Academy Proceedings in Engineering Sciences, cilt.48, sa.3, 2023 (SCI-Expanded)
- X. **Effect of waste COVID-19 face masks on self-compacting high-strength mortars exposed to elevated temperature**  
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Ain Shams Engineering Journal, cilt.14, sa.8, 2023 (SCI-Expanded)
- XI. **Physico-mechanical and microstructural properties of waste geopolymer powder and lime-added semi-lightweight geopolymer concrete: Efficient machine learning models**  
Da Silveira Maranhão F., De Souza Junior F. G., Soares P., Alcan H. G., Çelebi O., Bayrak B., Kaplan G., Aydin A. C.  
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- XII. **A comprehensive characterization on geopolymer concretes with low content slag and quartz aggregates: the shielding features**  
Alcan H. G., Bayrak B., ÖZ A., KAVAZ E., KAPLAN G., ÇELEBİ O., AYDIN A. C.

- RADIATION EFFECTS AND DEFECTS IN SOLIDS, cilt.178, sa.7-8, ss.769-798, 2023 (SCI-Expanded)
- XIII. Synergic effect of some waste pozzolans on the mechanical and shielding properties of geopolymers concretes  
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- XIV. Characterization study of geopolymers concretes fabricated with clinker aggregates  
Öz A., Bekem Kara İ., Bayrak B., Kavaz E., Kaplan G., Cüneyt Aydin A. C.  
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- XV. The effect of clinker aggregate on acid resistance in prepacked geopolymers containing metakaolin and quartz powder in the presence of ground blast furnace slag  
Bayrak B., Mostafa S. A., ÖZ A., Tayeh B. A., KAPLAN G., AYDIN A. C.  
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- XVI. Optimization of without SCM concrete exposed to seawater according to minimum cost and CO<sub>2</sub> emissions: Sustainable design with ABC algorithm  
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- XVII. The effect of animal and synthetic fibers on the physico-mechanical durability and microstructure properties of natural hydraulic lime-based mortars  
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- XVIII. Insulating and fire-resistant performance of slag and brick powder based one-part alkali-activated lightweight mortars  
KÖKSAL F., BAYRAKTAR O. Y., Bodur B., BENLİ A., KAPLAN G.  
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- XIX. Effect of cement clinker type, curing regime and activator dosage on the performance of one-part alkali-activated hybrid slag/clinker composites  
Turkoglu M., Bayraktar O. Y., Benli A., KAPLAN G.  
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- XX. Application of natural fibres in cement concrete: A critical review  
Hamada H. M., Shi J., Al Jawahery M. S., Majdi A., Yousif S. T., KAPLAN G.  
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- XXI. Mechanical, durability and microstructural characteristics of Portland pozzolan cement (PPC) produced with high volume pumice: Green, cleaner and sustainable cement development  
ULUSU H., Yılmaz Aruntaş H., Burcu Gültekin A., Dayı M., Çavuş M., KAPLAN G.  
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- XXII. The engineering properties of high strength mortars incorporating juniper seed ash calcined at different temperatures: Comparison with other SCMs  
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- XXIII. Physico-mechanical and shielding properties of alkali-activated slag composites incorporating cement clinker aggregate: Effect of high temperature and particle size  
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- XXIV. The effect of geopolymer slurries with clinker aggregates and marble waste powder on embodied energy and high-temperature resistance in prepacked concrete: ANFIS-based prediction model  
KAPLAN G., ÖZ A., Bayrak B., AYDIN A. C.  
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- XXV. Effect of waste colemanite and PVA fibers on GBFS-Metakaolin based high early strength geopolymers composites (HESGC): Mechanical, microstructure and carbon footprint characteristics  
ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C.  
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- XXVI. **Preparation and characterization of a novel prepacked aggregate geopolymers: A feasibility study**  
KAPLAN G., Shi J., ÖZ A., Bayrak B., Dheyaaldin M. H., AYDIN A. C.  
POWDER TECHNOLOGY, cilt.421, 2023 (SCI-Expanded)
- XXVII. **Performance evaluation and cost analysis of prepacked geopolymers containing waste marble powder under different curing temperatures for sustainable built environment**  
Danish A., ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C., Ozbakkaloglu T.  
Resources, Conservation and Recycling, cilt.192, 2023 (SCI-Expanded)
- XXVIII. **Physico-mechanical, thermal insulation and resistance characteristics of diatomite and attapulgite based geopolymers concrete: Effect of different curing regimes**  
KAPLAN G., Yavuz Bayraktar O., Bayrak B., ÇELEBİ O., Bodur B., ÖZ A., AYDIN A. C.  
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- XXIX. **The effect of steel fiber aspect-ratio and content on the fresh, flexural, and mechanical performance of concrete made with recycled fine aggregate**  
Yavuz Bayraktar O., KAPLAN G., Shi J., Benli A., Bodur B., Turkoglu M.  
Construction and Building Materials, cilt.368, 2023 (SCI-Expanded)
- XXX. **Basalt fiber reinforced foam concrete with marble waste and calcium aluminate cement**  
BAYRAKTAR O. Y., Yarar G., BENLİ A., KAPLAN G., GENÇEL O., SÜTÇÜ M., Kozlowski M., Kadela M.  
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- XXXI. **Valorization of Seawater as an Activator for Mixing and Curing Water in Mid-Strength Concrete Containing Class C Fly Ash: Strength, Economic and Environmental Benefits**  
ARUNTAŞ H. Y., Korkmaz Y., Demir İ., KAPLAN G.  
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- XXXII. **Hemp fiber reinforced one-part alkali-activated composites with expanded perlite: Mechanical properties, microstructure analysis and high-temperature resistance**  
BAYRAKTAR O. Y., Tobbala D. E., Turkoglu M., KAPLAN G., Tayeh B. A.  
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- XXXIII. **The use of waste marble for cleaner production of structural concrete: A comprehensive experimental study**  
Gencel O., Nodehi M., Yavuz Bayraktar O., KAPLAN G., Benli A., KÖKSAL F., BİLİR T., Siddique R., Ozbakkaloglu T.  
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- XXXIV. **Development, characterization, and performance analysis of shape-stabilized phase change material included-geopolymer for passive thermal management of buildings**  
GENÇEL O., Harja M., SARI A., HEKİMOĞLU G., USTAOĞLU A., SÜTÇÜ M., ERDOĞMUŞ E., KAPLAN G., BAYRAKTAR O. Y.  
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- XXXV. **Characteristics, energy saving and carbon emission reduction potential of gypsum wallboard containing phase change material**  
YARAŞ A., USTAOĞLU A., GENÇEL O., SARI A., Hekimoglu G., SÜTÇÜ M., ERDOĞMUŞ E., KAPLAN G., BAYRAKTAR O. Y.  
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- XXXVI. **Properties of eco-friendly foam concrete containing PCM impregnated rice husk ash for thermal management of buildings**  
GENÇEL O., SARI A., KAPLAN G., USTAOĞLU A., HEKİMOĞLU G., BAYRAKTAR O. Y., Ozbakkaloglu T.  
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- XXXVII. **Usage of ready-mixed concrete plant wastewater in concrete with superplasticizer: Effect on physico-mechanical properties**  
ARUNTAŞ H. Y., Nalli E., KAPLAN G.  
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- XXXVIII. **The effect of limestone and bottom ash sand with recycled fine aggregate in foam concrete**  
GENÇEL O., Balci B., BAYRAKTAR O. Y., Nodehi M., SARI A., KAPLAN G., Hekimog G., Gholampour A., BENLİ A., Ozbakkaloglu T.  
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- XXXIX. **The radiation shielding and microstructure properties of quartzic and metakaolin based geopolymers concrete**  
 Öz A., Bayrak B., Kavaz E., Kaplan G., Çelebi O., Alcan H. G., Aydin A. C.  
*Construction and Building Materials*, cilt.342, 2022 (SCI-Expanded)
- XL. **Mechanical durability and microstructural properties of sustainable high strength mortars ? incorporated basalt fiber and copper slag: Taguchi optimization**  
 Abu Aeshah M. N. A., KAPLAN G.  
*CONSTRUCTION AND BUILDING MATERIALS*, cilt.339, 2022 (SCI-Expanded)
- XLI. **Optimization of foam concrete characteristics using response surface methodology and artificial neural networks**  
 KURŞUNCU B., GENÇEL O., BAYRAKTAR O. Y., Shi J., Nematzadeh M., KAPLAN G.  
*CONSTRUCTION AND BUILDING MATERIALS*, cilt.337, 2022 (SCI-Expanded)
- XLII. **Foam Concrete Produced with Recycled Concrete Powder and Phase Change Materials**  
 GENÇEL O., Nodehi M., HEKİMOĞLU G., USTAOĞLU A., SARI A., KAPLAN G., BAYRAKTAR O. Y., SÜTCÜ M., Ozbaakkaloglu T.  
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- XLIII. **The effect of recycled fine aggregates treated as washed, less washed and unwashed on the mechanical and durability characteristics of concrete under MgSO<sub>4</sub> and freeze-thaw cycles**  
 Bayraktar O. Y., KAPLAN G., Benli A.  
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- XLIV. **Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete**  
 Gencel O., Ustaoglu A., Benli A., HEKİMOĞLU G., SARI A., Erdogmus E., Sutcu M., KAPLAN G., Yavuz Bayraktar O.  
*Solar Energy*, cilt.236, ss.51-62, 2022 (SCI-Expanded)
- XLV. **Basalt fiber-reinforced foam concrete containing silica fume: An experimental study**  
 Gencel O., Nodehi M., Bayraktar O. Y., KAPLAN G., Benli A., Gholampour A., Ozbaakkaloglu T.  
*CONSTRUCTION AND BUILDING MATERIALS*, cilt.326, 2022 (SCI-Expanded)
- XLVI. **Effect of quartz powder on mid-strength fly ash geopolymers at short curing time and low curing temperature**  
 KAPLAN G., ÖZ A., Bayrak B., Alcan H. G., ÇELEBİ O., AYDIN A. C.  
*CONSTRUCTION AND BUILDING MATERIALS*, cilt.329, 2022 (SCI-Expanded)
- XLVII. **Usage of recycled fine aggregates obtained from concretes with low w/c ratio in the production of masonry plaster and mortar**  
 KAPLAN G., Turkoglu M., Bodur B., BAYRAKTAR O. Y.  
*Environment, Development and Sustainability*, cilt.24, sa.2, ss.2685-2714, 2022 (SCI-Expanded)
- XLVIII. **Lightweight foam concrete containing expanded perlite and glass sand: Physico-mechanical, durability, and insulation properties**  
 GENÇEL O., BAYRAKTAR O. Y., KAPLAN G., Arslan O., Nodehi M., BENLİ A., Gholampour A., Ozbaakkaloglu T.  
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- XLIX. **High temperature resistant restoration mortar with fly ash and GGBFS**  
 Demircan R. K., KAPLAN G., ÇELİK D. N.  
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- L. **The impact of RCA and fly ash on the mechanical and durability properties of polypropylene fibre-reinforced concrete exposed to freeze-thaw cycles and MgSO<sub>4</sub> with ANN modeling**  
 BAYRAKTAR O. Y., Eshtewi S. S. T., BENLİ A., KAPLAN G., Toklu K., Gunek F.  
*CONSTRUCTION AND BUILDING MATERIALS*, cilt.313, 2021 (SCI-Expanded)
- LI. **The effects of cement type and expanded vermiculite powder on the thermo- mechanical characteristics and durability of lightweight mortars at high temperature and RSM modelling**  
 KÖKSAL F., Nazli T., BENLİ A., GENÇEL O., KAPLAN G.  
*CASE STUDIES IN CONSTRUCTION MATERIALS*, cilt.15, 2021 (SCI-Expanded)
- LII. **The impact of natural and calcined zeolites on the mechanical and durability characteristics of glass**

- fiber reinforced cement composites**  
 KAPLAN G., Coskan U., BENLİ A., BAYRAKTAR O. Y., Kucukbaltaci A. B.  
 CONSTRUCTION AND BUILDING MATERIALS, cilt.311, 2021 (SCI-Expanded)
- LIII. **Effect of high volume fly ash and micro-steel fiber on flexural toughness and durability properties in self-compacting lightweight mortar (SCLM)**  
 KAPLAN G., BAYRAKTAR O. Y., MEMİŞ S.  
 CONSTRUCTION AND BUILDING MATERIALS, cilt.307, 2021 (SCI-Expanded)
- LIV. **Influence of bottom ash and polypropylene fibers on the physico-mechanical, durability and thermal performance of foam concrete: An experimental investigation**  
 GENÇEL O., Kazmi S. M. S., Munir M. J., KAPLAN G., BAYRAKTAR O. Y., Yarar D. O., Karimipour A., Ahmad M. R.  
 CONSTRUCTION AND BUILDING MATERIALS, cilt.306, 2021 (SCI-Expanded)
- LV. **Microstructure and durability properties of lightweight and high-performance sustainable cement-based composites with rice husk ash**  
 KAPLAN G., Salem Elmekahal M. A.  
 Environmental Science and Pollution Research, cilt.28, ss.52936-52962, 2021 (SCI-Expanded)
- LVI. **Mechanical and durability properties of steel fiber-reinforced concrete containing coarse recycled concrete aggregate**  
 KAPLAN G., Bayraktar O. Y., Gholampour A., Gencel O., KÖKSAL F., Ozbaakkaloglu T.  
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- LVII. **Effect of cement dosage and waste tire rubber on the mechanical, transport and abrasion characteristics of foam concretes subjected to H<sub>2</sub>SO<sub>4</sub> and freeze-thaw**  
 BAYRAKTAR O. Y., Soylemez H., KAPLAN G., BENLİ A., GENÇEL O., Turkoglu M.  
 CONSTRUCTION AND BUILDING MATERIALS, cilt.302, 2021 (SCI-Expanded)
- LVIII. **Characteristics of hemp fibre reinforced foam concretes with fly ash and Taguchi optimization**  
 GENÇEL O., BAYRAKTAR O. Y., KAPLAN G., BENLİ A., Martinez-Barrera G., Brostow W., Tek M., Bodur B.  
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- LIX. **Effect of waste marble powder and rice husk ash on the microstructural, physico-mechanical and transport properties of foam concretes exposed to high temperatures and freeze-thaw cycles**  
 Gencel O., Benli A., Bayraktar O. Y., KAPLAN G., Sutcu M., Elabade W. A. T.  
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- LX. **Physico-mechanical, durability and thermal properties of basalt fiber reinforced foamed concrete containing waste marble powder and slag**  
 Yavuz Bayraktar O., KAPLAN G., Gencel O., Benli A., Sutcu M.  
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- LXI. **The impact of recycled coarse aggregates obtained from waste concretes on lightweight pervious concrete properties**  
 KAPLAN G., Gulcan A., Cagdas B., BAYRAKTAR O. Y.  
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- LXII. **Artificial Neural Network Estimation of the Effect of Varying Curing Conditions and Cement Type on Hardened Concrete Properties**  
 Kaplan G., Yaprak H., Memiş S., Alnkaa A.  
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- LXIII. **The Optimization of Calcareous Fly Ash-Added Cement Containing Grinding Aids and Strength-Improving Additives**  
 Kaplan G., Yildizel S. A., Memis S., Ozturk A. U.  
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- LXIV. **Glass fibre reinforced concrete rebound optimization**  
 Yildizel S. A., Yiğit M. E., Kaplan G.  
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- LXV. **A study of some durability properties of mortars with white cement and Portland cement Studiu unor caracteristici de durabilitate ale mortarelor preparate cu ciment alb și ciment Portland**

- Öztürk A. U., Kaplan G.  
Revista Romana de Materiale/ Romanian Journal of Materials, cilt.47, sa.3, ss.315-321, 2017 (SCI-Expanded)
- LXVI. **Cost Optimization of Mortars Containing Different Pigments and Their Freeze-Thaw Resistance Properties**  
Yıldız S. A., Kaplan G., Ozturk A. U.  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **The Mechanical and Durability Properties of Cement Mortars with Different Types of Fibers and Chemical Admixtures**  
çankal d., Ozturk A. U., Kaplan G.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, cilt.26, sa.76, ss.98-104, 2024 (Hakemli Dergi)
- II. **THE ENGINEERING PERFORMANCE OF ECO-FRIENDLY CONCRETES CONTAINING DIATOMITE FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG**  
ARUNTAŞ H. Y., YILDIZ E. R. K. A. N., KAPLAN G.  
ACTA POLYTECHNICA, cilt.62, sa.5, ss.505-521, 2022 (ESCI)
- III. **Farklı çimentolardan üretilen köpük betonlarda atık lastiklerin hafif agregat olarak kullanımı**  
BAYRAKTAR O. Y., KAPLAN G.  
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- IV. **Experimental Investigation of Thermal Performance of XPS Insulated Exterior Walls**  
KAPLAN G., ARUNTAŞ H. Y.  
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- V. **Investigation of the Usage Areas of Different Fiber Reinforced Concrete**  
AMAİTİK ALTERA A. Z., BAYRAKTAR O. Y., BODUR B., KAPLAN G.  
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- VI. **The effect of hemp fiber usage on the mechanical and physical properties of cement based mortars**  
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- VII. **Investigation of Properties of Concrete Produced with Recycled Aggregates**  
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- VIII. **ÇİMENTO VE UÇUCU KÜL BÜNYESİNDEKİ AĞIR METALLERİN ETKİLERİNİN HİDRATASYON VE ÇEVRE SAĞLIĞI AÇISINDAN İNCELENMESİ**  
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- XIII. **Effects on Compressive Strength of Accelerated Curing Methods in Alkali Activated Mortars**

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- XXIV. **Seramik Atıklarının Çimento İkame Malzemesi Olarak Kullanılması ve Asit Dayanıklılığının İncelenmesi**  
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- I. **Sürdürülebilir Yapı Malzemeleri ve Uygulamaları-1**  
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- II. **Araştırma ve Geliştirme Projelerinde Proje Yönetimi Uygulamaları**  
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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **EXPERIMENTAL INVESTIGATION OF THE EFFECT OF WASTE RICE HUSK ON THE PHYSICAL, MECHANICAL AND HIGH TEMPERATURE PROPERTIES OF GEOPOLYMER CONCRETE**  
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- II. **EXPERIMENTAL INVESTIGATION OF MECHANICAL, PHYSICAL AND HIGH TEMPERATURE PROPERTIES OF GEOPOLYMER CONCRETE CONTAINING WASTE TIRE POWDER**  
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- IV. **THE EFFECT OF ALKALI SOLUTION ON THE PROPERTIES OF LIGHTWEIGHT GEOPOLYMER CONCRETE CONTAINING PERLITE AND PUMICE**  
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- V. **MECHANICAL PROPERTIES OF METAKAOLIN BASED GEOPOLYMERS USING WASTE GEOPOLYMER POWDER AND LIME**  
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- VI. **Köpük Betonlarda Atık Lastiğin Agrega Olarak Kullanılabilirliği**  
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3.Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Türkiye, 22 - 24 Ekim 2021
- VII. **Atık Asfaltin Köpük Betonda Kullanımı**  
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- VIII. **Deniz Suyu Kullanımının Harçların Mekanik ve Durabilite Özelliklerine Etkisi**  
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- IX. **The Effect of Curing Temperature on the Early Age Properties of Granulated Furnace Slag Based Reactive Geopolymer Concrete**  
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- X. **Atık Metalik Liflerle Üretilen Sifcon Kompozitlerinin Özelliklerinin Araştırılması**  
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- XIII. **İnşaat Projelerinde Risk Yönetimi Ve İş Sağlığı Ve Güvenliği Açısından Örnek Bir Risk Değerlendirmesi**  
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- XIV. **Raylı Sistemlerin Yapı Bilgi Modellemesi (YBM) İle Entegrasyonu (Ataköy-İkitelli Projesi İnşaatı Örneği)**  
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- XV. **Floor Coating Materials**  
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- XVI. **Optimization of Durability Characteristics of White Cement Mortars**  
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- XVII. **Microstructure Properties of Sulfate-Effectuated Blast Furnace Slag Reinforced Restoration Mortars**  
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- XVIII. **Effect of Adding Glass Powder in Geopolymer Concrete**  
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- XXI. **Farklı Klinkerlerden Üretilen Çimentoların Öğütülebilirlik Mekanik ve Mikroyapı Özellikleri**  
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10.Uluslararası Katılımlı Beton Kongresi, 2 - 04 Mayıs 2019
- XXII. **Determination of The Physical and Mechanical Properties of the Materials Used in The Northern City Walls of Historical Sinop Castle**  
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- XXIII. **Microwave Curing Effect on Internal Sulphate Damage in Nano Alumina Reinforced White Cement**  
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- XXIV. **A STUDY ON THE WATER CONSERVATION MEASURES IN GREEN BUILDINGS**  
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- XXV. **A STUDY ON THE POSSIBLE USE OF INDUSTRIAL WASTE IN ROLLERCOMPACTED CONCRETE PAVEMENT**  
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- XXVI. **The Effects of Steam Curing Time on the Geopolymer Mortar**  
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- XXVII. **Determination of the Some Mechanical Properties of Alkali Activated Composites**  
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- XXVIII. **TUĞLA ATIKLARI, BİMS VE TABAN KÜLÜNÜN KIRMA KUM YERİNE KULLANIMININ ARAŞTIRILMASI**  
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- XXIX. **A Study on the Usage of Basalt Fibers and Pigment in Architectural Concrete Production**  
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1. International University Industry Cooperation, RD and Innovation Congress, Manisa, Türkiye, 18 - 19 Aralık 2017
- XXX. **Tuğla Atıkları ve Taban Külünün Kırmak Kum Yerine Kullanımının Araştırılması**  
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I. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, 7 - 10 Aralık 2017
- XXXI. **Farklı Sıcaklık ve Sürelerde Kalsine edilmiş Killerin Kireç Harcına Etkisi**  
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6. Tarihi Yapıların Korunması ve Güçlendirilmesi Sempozyumu, Trabzon, Türkiye, 2 - 04 Kasım 2017, ss.133-142
- XXXII. **YÜKSEK FIRIN CÜRUFU VE BAZALT LİFİ TAKVİYELİ RESTORASYON HARÇLARININ SÜLFAT DAYANIKLILIĞININ İNCELENMESİ**  
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- XXXIII. **A Study On The Use Of Advanced Nondestructive Testing Methods On Histroric Structures**  
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- XXXIV. **BEHAVIORS OF MORTAR SAMPLES WITH WASTE BRICK AND CERAMIC UNDER FREEZE-THAW EFFECT**  
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- XXXV. **ORMAN ENDÜSTRİSİ ATIK KÜLLERİ ve YÜKSEK ORANDA SU AZALTICI KATKILARIN KENDİLİĞİNDEN YERLEŞEN HARÇLAR ÜZERİNDEKİ ETKİLERİ**  
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- XXXVI. **Akışkanlaştırıcı Özellikleri ve Çimento Sıcaklığının Harç Özelliklerine Etkileri**  
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- XXXVII. **Öğütme Kolaylaştırıcı ve Dayanım Arttırıcı Katkıların Kalkersi Uçucu Kül Katkılı Çimentolarda Kullanımı**

- KAPLAN G., ÖZTÜRK A. U., YILDIZEL S. A., KILIÇ DEMİRCAN R.  
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- XXXVIII. **DETERMINATION OF READY MIXED CONCRETE CONSISTENCY IMAGE PROCESSING METHOD**  
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- XXXIX. **Presentation title Investigation Of Thermo Mecanical Properties At Plaster Inculded Waste Ceramics And Bricks**  
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- XL. **Analysis of Restoration Mortars Used For Strengthening of Historical Buildings in the Context of Sustainability Criteria**  
KILIÇ DEMİRCAN R., KAPLAN G., GÜLTEKİN A. B.  
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- XLI. **Biyopolimer Katkılı Çimentoların Donma Çözülme Etkisi Altındaki Davranışının İncelenmesi**  
Ortaç M., ÖZTÜRK A. U., KAPLAN G., YILDIZEL S. A.  
II. Uluslararası Sürdürülebilir Yapılar Sempozyumu, 28 - 30 Mayıs 2015
- XLII. **Alkalilerle Aktive Edilmiş Taban Külü ve Yüksek Fırın Cürüfュ Esaslı Harçların Mekanik Özellikleri**  
YAPRAK H., KAPLAN G., DEMİR İ.  
II. Uluslararası Sürdürülebilir Yapılar Sempozyumu, 28 - 30 Mayıs 2015
- XLIII. **Farklı Viskozite Değerlerine Sahip Püskürtme Beton Karışımlarının Geri Sıçrama Optimizasyonunun Abaqus CAE Programıyla İncelenmesi**  
YILDIZEL S. A., YİĞİT M. E., ÖZTÜRK A. U., KAPLAN G.  
9. Ulusal Beton Kongresi, Türkiye, 16 - 18 Nisan 2015
- XLIV. **Effect of Silica Fume and Fly Ash on the Strength Development of Boron Active Belite Cement**  
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- XLV. **Yapı Sektöründe Uçucu Kül Kullanımının Çevresel ve Toplumsal Etkileri Açısından İncelenmesi**  
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## Desteklenen Projeler

KAPLAN G., Yükseköğretim Kurumları Destekli Proje, Hafif ve Yüksek Performanslı Çimento Esaslı Kompozitlerin Mikroyapı Özelliklerinin İncelenmesi, 2021 - 2021

## Etkinlik Organizasyonlarındaki Görevler

Kan A., Bayrak B., Aydin A. C., KAPLAN G., Geopolymeric Composites Congress, Bilimsel Kongre / Sempozyum Organizasyonu, Erzurum, Türkiye, Aralık 2021  
Aydin A. C., Çelebi O., KAPLAN G., DEMİR N., International Congress on the Phenomenological Aspect of Civil Engineering , Bilimsel Kongre / Sempozyum Organizasyonu, Erzurum, Türkiye, Haziran 2021

## Metrikler

Yayın: 149  
Atıf (WoS): 1066  
Atıf (Scopus): 1220  
H-İndeks (WoS): 19

H-İndeks (Scopus): 21