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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey Continues

Post Graduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey Continues

Under Graduate, Akdeniz University, Isparta Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey Continues

Research Areas

Civil Engineering, Transportation Engineering, Road Materials, Engineering and Technology

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

- **Bitumen expanding using bio-oil product of rose pulp's pyrolysis process**
TERZİ S., SALTAN M., Armagan K., KURTMAN A. K. , Karahancer S., Eriskin E., UZ V. E.
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- **Evaluating mechanical properties of bitumen and hot mix asphalt modified with nano ferric oxide**
KARAHANÇER S., ENİEB M., SALTAN M., TERZİ S., Eriskin E., CENGİZHAN A., AKBAŞ M. Y.
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- **Mechanical behavior of bitumen and hot-mix asphalt modified with zinc oxide nanoparticle**
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- **Increasing the visibility of roads using phosphorous paint**
Eriskin E., Karahancer S., TERZİ S., SALTAN M., ÇAPALI B., Uncu I. S. , COŞKUNSU S.
ROAD MATERIALS AND PAVEMENT DESIGN, vol.20, pp.199-210, 2019 (Journal Indexed in SCI)
- **Performance analysis of nano modified bitumen and hot mix asphalt**
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- **Technical and environmental evaluation of metallurgical slags as aggregate for sustainable pavement layer applications**
GÖKALP I., UZ V. E. , SALTAN M., TUTUMLUER E.
TRANSPORTATION GEOTECHNICS, vol.14, pp.61-69, 2018 (Journal Indexed in SCI)
- **Examination of hot mix asphalt and binder performance modified with nano silica**
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- **Investigation of chip seal performance under cold climate conditions**
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- **Utilization of Arundo donax in Hot Mix Asphalt as a fiber**
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- **Testing the abrasion resistance of aggregates including by-products by using Micro Deval apparatus with different standard test methods**

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- **Utility of polyparaphenylene terephthalamide fiber in hot mix asphalt as a fiber**

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- **Stabilization of clayey subgrade with waste pumice for road infrastructure**

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- **Environmental Method Against Icing for Road Pavements: Development of New Testing Equipment and Proposal of a New Abrasive Material**

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- **Determination of seal coat deterioration using image processing methods**

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- **Prediction of the marshall stability of reinforced asphalt concrete with steel fiber using fuzzy logic**

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JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.26, pp.1943-1950, 2014 (Journal Indexed in SCI)

- **Artificial neural networks-based backcalculation of the structural properties of a typical flexible pavement**

SALTAN M., Uz V. E. , AKTAŞ B.

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- **Evaluation of rice husk ash as filler in hot mix asphalt concrete**

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- **Backcalculation of pavement layer thickness using data mining**

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- **Effect of aggregate surface properties on chip seal retention performance**

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- **Backcalculation of pavement layer moduli and Poisson's ratio using data mining**

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- **Utilization of Pumice Waste for Clayey Subgrade of Pavements**

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- **Backcalculation of Pavement Layer Thickness and Moduli Using Adaptive Neuro-fuzzy Inference System**
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- **Stabilization of subbase layer materials with waste pumice in flexible pavement**
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- **Comparative analysis of using artificial neural networks (ANN) and gene expression programming (GEP) in backcalculation of pavement layer thickness**
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- **Backcalculation of pavement layer parameters using Artificial Neural Networks**
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- **Optimization of the deflection basin by genetic algorithm and neural network approach**
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ILGAZ A., SALTAN M.
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- **ANFIS YÖNTEMİNİN ESNEK YOL ÜSTYAPILARININ YAPISAL ANALİZİNDE KULLANILABİLİRLİĞİ**
SALTAN M., ALAEFARY F.
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- **POINT-TO-POINT SPEED ENFORCEMENT: A CASE STUDY ON DRIVERS' SPEED BEHAVIOR IN TURKEY**
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INTERNATIONAL JOURNAL FOR TRAFFIC AND TRANSPORT ENGINEERING, vol.8, pp.184-197, 2018 (Refereed Journals of Other Institutions)
- **Vermikülitin Bitümlü Sıcak Karışımlarda Kullanılabilirliğinin Marshall Stabilite Deney Yöntemi ile Araştırılması**
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Institutions)

- **Bitümlü sıcak karışımın superpave hacimsel karışım tasarımı: Isparta örneği**
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- **ORTALAMA HIZ UYGULAMALARINDA YASAL KONULAR: HIZ İHLALİ ÜZERİNE BİR UYGULAMA VE ANALİZ**
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- **DEPREM ETKİSİ ALTINDA DEMİRYOLU ÜSTYAPISI DAVRANIŞININ İNCELENMESİ**
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- **A Case Study on Speed Behavior Determination Via Average Speed Enforcement at The Akdeniz University Campus Area**
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- **Estimation of specific gravity with penetration and penetration index parameters by artificial neural network**
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- **Effect of Overlay Mechanical Properties on Surface Deflections for Flexible Pavements**
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- **LTPP Test Bölgesi Verilerinden IRI Değerlerinin Matematiksel Modellenmesi**
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- **Modeling deflection basin using neurofuzzy in backcalculating flexible pavement layer moduli**
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Refereed Congress / Symposium Publications in Proceedings

- **A Review for Sensitivity Analyses on Isparta State Highways According to Mechanistic Empirical Pavement Design Method**
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- **Nano Cu₂O ve SiO₂ ile Modifiye Edilmiş Asfalt Kaplamaların Performans Analizi**
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- **Marshall Testing Evaluation for Plastic in Asphalt Mixtures**
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- **Estimated Dynamic Elasticity Modules Comparison of Mechanistic Empirical Design Method for a Konya State Sample**
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- **Utility of Aramid, Polyolefin and Polypropene Combination in Hot Mix Asphalt as a Fiber Material**
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- **Experimental Investigation of the Stabilization Performance Trends of Two Geogrids Constructed on Low Bearing Capacity Subgrade**
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- **Pavement Performance Assessment by ANFIS approach Using Marine Corps Air Station Cherry Point, North Carolina Data**
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- **Predicting of Traffic Loads by the Help of Climate Data Using Data Mining**
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- **Bitümlü Sıcak Karışım Uygulamalarında Asfaltın Kendini İyileştirme Yöntemleri ve Faydaları**
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- **Karayollarında Zemin Penetrasyon Radarı (GPR) İle Kalite Kontrol Uygulaması**
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- **Mechanistic Empirical Design Method Analysis Of HMA With Self Healing Material**
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- **Dynamic Elasticity Modulus Assignment According To Mechanical Empirical Pavement Design Method On Isparta State Highways**
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- **Comparative laboratory evaluation of macro texture depth of chip seal samples using sand patch and outflow meter test methods**
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- **Mekanistik Ampirik Kaplama Dizayn Metodu Uygulanmasının Sürdürülebilir Kalkınma Açısından Önemi**
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12.Ulaştırma Kongresi Ulaştırma Politikaları, Turkey, 24 - 26 May 2017, pp.171-180
- **Specific Gravity Estimating Using Artificial Neural Network with Penetration and Penetration Index Parameters**
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- **PTFE VE NAYLON ATIK LİF KULLANILARAK ASFALT KARIŞIMIN NEME KARŞI HASSASİYETİNİN AZALTILMASI**
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