Assoc. Prof. Cenk BUDAYAN

Personal Information

Office Phone: <u>+90 212 383 5255</u> Web: https://avesis.yildiz.edu.tr/budayan

International Researcher IDs ORCID: 0000-0002-8433-2824 Yoksis Researcher ID: 139952

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği, Turkey 2004 - 2009 Undergraduate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 2003 - 2009

Research Areas

Civil Engineering, Building Management, Construction Management, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2019 -Continues

Assistant Professor, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2013 - 2019 Other, University of Salford, Mühendislik Fakültesi, Built And Environment, 2012 - 2013 Research Assistant PhD, Selcuk University, Faculty Of Engineering, İnşaat Mühendisliği, 2009 - 2012 Research Assistant, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, 2004 - 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. Development of a knowledge-based tool for waste management of prefabricated steel structure projects

Mirshekarlou B. R., BUDAYAN C., DİKMEN TOKER İ., BİRGÖNÜL M. T. JOURNAL OF CLEANER PRODUCTION, vol.323, 2021 (SCI-Expanded)

- II. Reasons for Performance Differences among ISO 9001:2015-Certified Construction Companies in the Perspective of TQM Elements
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- IV. Development of a conceptual life cycle performance measurement system for build-operatetransfer (BOT) projects OKUDAN O., BUDAYAN C., Dikmen I.

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V. Determination of Important Building Construction Nuisances in Residential Areas on Neighbouring Community

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- VI. Identification and prioritization of stage-level KPIs for BOT projects evidence from Turkey BUDAYAN C., OKUDAN O., DİKMEN TOKER İ.
 - INTERNATIONAL JOURNAL OF MANAGING PROJECTS IN BUSINESS, vol.13, no.6, pp.1311-1337, 2020 (SSCI)
- VII. Construction cost map of European countries
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 Engineering Economist, vol.65, no.2, pp.135-157, 2020 (SCI-Expanded)
- VIII. Assessing the social cost of housing projects on the built environment: Analysis and monetization of the adverse impacts incurred on the neighbouring communities Çelik T., ARAYICI Y., BUDAYAN C.

Environmental Impact Assessment Review, vol.77, pp.1-10, 2019 (SSCI)

- IX. Key Performance Indicators of Vocational Education and Training in the Construction Industry
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 TEKNIK DERGI, vol.30, no.3, pp.9147-9174, 2019 (SCI-Expanded)
- X. Estimation at Completion Simulation Using the Potential of Soft Computing Models: Case Study of Construction Engineering Projects AlHares E. F. T., BUDAYAN C. SYMMETRY-BASEL, vol.11, no.2, 2019 (SCI-Expanded)
- XI. Implementation of Genetic Algorithm Integrated with the Deep Neural Network for Estimating at Completion Simulation

Kareem Kamoona K. R., BUDAYAN C.

Advances in Civil Engineering, vol.2019, 2019 (SCI-Expanded)

- XII. Evaluation of Delay Causes for BOT Projects Based on Perceptions of Different Stakeholders in Turkey
 - BUDAYAN C.

JOURNAL OF MANAGEMENT IN ENGINEERING, vol.35, no.1, 2019 (SCI-Expanded)

XIII. Effects of Risk Attitude and Controllability Assumption on Risk Ratings: Observational Study on International Construction Project Risk Assessment Dikmen I., BUDAYAN C., BİRGÖNÜL M. T., HAYAT E.

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XIV. A Computerized Method for Delay Risk Assessment Based on Fuzzy Set Theory using MS Project (TM)

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KSCE JOURNAL OF CIVIL ENGINEERING, vol.22, no.8, pp.2714-2725, 2018 (SCI-Expanded)

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BUDAYAN C.

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- XVI. An expert system for the quantification of fault rates in construction fall accidents
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- XVII. Alignment of project management with business strategy in construction: evidence from the Turkish contractors

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method for strategic grouping Budayan C., Dikmen I., BİRGÖNÜL M. T. EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.9, pp.11772-11781, 2009 (SCI-Expanded)

XIX. Strategic Group Analysis in the Construction Industry
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II. Determination of the Critical Success Criteria for Public-Private Partnership (PPP) Projects in Turkey

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- V. Hybrid strategic groups in construction
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Refereed Congress / Symposium Publications in Proceedings

- I. Matlab Script for Fuzzy AHP Analysis
 Okudan O., Budayan C.
 6th international Project and Construction Management Conference, İstanbul, Turkey, 12 14 November 2020, pp.1377-1385

 II. Determination of KPIs for Small and Medium Sized Construction Companies
- Determination of KFIS for Small and Medium Sized Construction Companies
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- III. Role of Vocational Education and Training in the Construction Industry Performance
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VI. How the Residents are Affected from Construction Operations Conducted in Residential Areas CELIK T., BUDAYAN C.

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 2. Proje ve Yapım Yönetimi Kongresi, Turkey, 13 - 16 September 2012
 - IX. İnşaat Firmaları için Web Tabanlı Risk Bilgisi Toplama Platformu Kavramsal Çerçeve BUDAYAN C.

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- X. Strategic group analysis by using fuzzy clustering
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- XIII. Türk İnşaat Sektöründe Stratejik Grup Analizi
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 4. İnşaat Yönetimi Kongresi, Turkey, 30 31 October 2007
- XIV. Research Trends In Construction Management Throughout Twenty Years BUDAYAN C., Alshawi M., Arayici Y.

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Metrics

Publication: 40 Citation (WoS): 165 Citation (Scopus): 335 H-Index (WoS): 6 H-Index (Scopus): 8