Journal of Construction Engineering, Management & Innovation

Volume 3 • Issue 1 • March 2020

ISSN: 2630-5771

Honorary Editors-in-Chief

David Arditi

Illinois Institute of Technology, USA

M. Talat Birgönül

Middle East Technical University, Turkey

Editor-in-Chief

Vedat Toğan

Karadeniz Technical University, Turkey

Managing Editor

Ahmet Can Altunışık

Karadeniz Technical University, Turkey





www.dynaaca.com www.goldenlightpublish.com

Journal of Construction Engineering, Management & Innovation

Honorary Editors-in-Chief

David Arditi

Illinois Institute of Technology, USA

Editor-in-Chief Vedat Toğan

Department of Civil Engineering Karadeniz Technical University 61080 Trabzon, Turkey

E-mail: togan@ktu.edu.tr

M. Talat Birgönül

Middle East Technical University, Turkey

Managing Editor

Ahmet Can Altunışık

Department of Civil Engineering Karadeniz Technical University

61080 Trabzon, Turkey E-mail: ahmetcan@ktu.edu.tr

Editorial Board

Alfredo F. Serpell

Universidad del Desarrollo

Chile

Avnur Kazaz Akdeniz University

Turkey

Hüsnü Murat Günaydın

Hasan Basri Başağa

Istanbul Technical University

Karadeniz Technical University

Turkey

Beliz Özorhon Orakçal

Boğazici University

Turkey

İrem Dikmen Toker

Middle East Technical University

Turkey

Bon-Gang Hwang

National University of Singapore

Singapore

Johannes I.M. Halman University of Twente

The Netherlands

Chien-Ho Ko

National Pingtung University of

Science and Technology

Taiwan

Jurgita Antucheviciene Vilnius Gediminas Technical

University

Lithuania

Esin Ergen Pehlevan

Istanbul Technical University

Turkey

Onur Behzat Tokdemir

Middle East Technical University

Turkey

Gökhan Arslan

Yalova University

Turkey

Sergio Sibilio

University of Campania

Italy

Serkan Kıvrak

Eskisehir Technical University

Turkey

Sibel Macka Kalfa

Karadeniz Technical University

Turkey

Víctor Yepes

Universitat Politècnica de València

Spain

Xianbo Zhao

Central Queensland University

Australia

Zita Sampaio

Technical University of Lisbon

Portugal

Journal of Construction Engineering, Management & Innovation is an international scientific journal quarterly published by the Golden Light Publishing®. Each paper submitted is subject to peer-review and only papers of highest quality that contain original ideas will be published.

Copyright © Golden Light Publishing®

ISSN: 2630-5771 (online)

<u>Address for correspondence:</u>

Golden Light Publishing®,

Trabzon Teknoloji Geliştirme Bölgesi, Yönetici A.Ş.,

Üniversite Mahallesi, Hastane Caddesi, No: 33,

61081 Trabzon / Turkey

Journal of Construction Engineering, Management & Innovation

Volume 3, Issue 1, March 31 2020

CONTENTS

Ebrahim Jokar, B. Amin Nejad and Alireza Lork
Risk prioritization and selection of contractor participating in Public-Private Partnership (PPP)
infrastructure project using hybrid Fuzzy AHP and Fuzzy TOPSIS (Case Study: Saveh-
Salafchegan Freeway Project)
Harun Turkoglu, Gul Polat and Atilla Damci
Assessment of materials and resources credit achievements of LEED-certified buildings in Turkey
based on certification levels
Jewel Rana and Mizanoor Rahman
Building energy performance optimization towards net zero energy building using passive solution
technologies and building information modeling at design phase
Beliz Ozorhon, Cansu Kus and Semih Caglayan
Assessing competitiveness of international contracting firms from the managerial perspective by
using Analytic Network Process
Ramazan Sarı and Mehmet Koray Pekeriçli
An investigation of comparison and evaluation of official BIM documents released in the USA,
UK and Turkey 67