

## Asst. Prof. HÜSEYİN EROL

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### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2014 - 2020

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2012 - 2014

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2007 - 2012

### Research Areas

Construction Management

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. Exploring pattern of complexity in mega construction projects

Bilgin G., Erol H., ATASOY ÖZCAN G., Dikmen I., BİRGÖNÜL M. T.

INTERNATIONAL JOURNAL OF MANAGING PROJECTS IN BUSINESS, vol.15, no.7, pp.1064-1090, 2022 (SSCI)

#### II. A decision-support tool for risk and complexity assessment and visualization in construction projects

DİKMEN TOKER İ., ATASOY ÖZCAN G., Erol H., Kaya H. D., BİRGÖNÜL M. T.

COMPUTERS IN INDUSTRY, vol.141, 2022 (SCI-Expanded)

#### III. An analytic network process model for risk quantification of mega construction projects

Erol H., DİKMEN TOKER İ., ATASOY ÖZCAN G., BİRGÖNÜL M. T.

EXPERT SYSTEMS WITH APPLICATIONS, vol.191, 2022 (SCI-Expanded)

#### IV. Meta-Modeling of Complexity-Uncertainty-Performance Triad in Construction Projects

DİKMEN TOKER İ., Qazi A., Erol H., BİRGÖNÜL M. T.

ENGINEERING MANAGEMENT JOURNAL, vol.33, no.1, pp.30-44, 2021 (SCI-Expanded)

#### V. Exploring the Relationship between Complexity and Risk in Megaconstruction Projects

EROL H., Dikmen I., ATASOY ÖZCAN G., BİRGÖNÜL M. T.

Journal of Construction Engineering and Management, vol.146, no.12, 2020 (SCI-Expanded)

#### VI. Delay Risk Assessment of Repetitive Construction Projects Using Line-of-Balance Scheduling and Monte Carlo Simulation

Tokdemir O. B., EROL H., Dikmen I.

Journal of Construction Engineering and Management, vol.145, no.2, 2019 (SCI-Expanded)

- VII. **Measuring the impact of lean construction practices on project duration and variability: A simulation-based study on residential buildings**  
EROL H., Dikmen I., BİRGÖNÜL M. T.  
Journal of Civil Engineering and Management, vol.23, no.2, pp.241-251, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Impact of COVID-19 on inspection of Turkish public construction works and recommendations for the post-pandemic era**  
EROL H., GÜL G.  
Journal of Construction Engineering, Management & Innovation (Online), vol.6, no.4, pp.340-353, 2023 (Peer-Reviewed Journal)
- II. **A stakeholder-based review of the building inspection system in Turkey: The case of Yalova**  
EROL H., DEDE M. S.  
Journal of Construction Engineering, Management & Innovation (Online), vol.5, no.2, pp.95-106, 2022 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **A BIM-Based Risk Management Model for Construction Waste Reduction and Control**  
EROL H., DİKMEN TOKER İ.  
The 33rd European Safety and Reliability Conference (ESREL 2023), Southampton, England, 3 - 07 September 2023, pp.2503-2510
- II. **Project Risk Communication with Visualization**  
DİKMEN TOKER İ., ATASOY ÖZCAN G., EROL H., KAYA H. D., BİRGÖNÜL M. T.  
International Conference on the Leadership And Management of Projects in the digital age (IC:LAMP 2022), Bahrain, 27 November 2022
- III. **Integrated Risk Assessment Process (IRAP) for Mega Construction Projects: A Demonstrative Case Study**  
EROL H., DİKMEN TOKER İ., ATASOY ÖZCAN G., BİRGÖNÜL M. T.  
7th International Project and Construction Management Conference (IPCMC 2022), İstanbul, Turkey, 20 October 2022, pp.1086-1098
- IV. **Contemporary Issues in Mega Construction Projects**  
EROL H., DİKMEN İ., ATASOY G., BİRGÖNÜL M. T.  
5th international Project and Construction Management Conference (IPCMC 2018), Girne, Cyprus (Kktc), 16 - 18 November 2018, pp.1022-1035
- V. **Visualisation of Complexity and Risk in Mega Construction Projects**  
EROL H., DİKMEN İ., ATASOY ÖZCAN G., BİRGÖNÜL M. T.  
The Construction, Building and Real Estate Research Conference (COBRA 2018), Londrina, Brazil, 23 - 24 April 2018
- VI. **A construction delay analysis approach based on Lean principles**  
EROL H., Dikmen I., BİRGÖNÜL M. T.  
25th Annual Conference of the International Group for Lean Construction, IGCL 2017, Hersonissos, Crete, Greece, 9 - 12 July 2017, pp.645-653
- VII. **Lazer Tarayıcı Uygulamalarında Planlama Bir VakaÇalışması**  
EROL H., ÖZYURT B., BİLGİN G., ATASOY ÖZCAN G., BİRGÖNÜL M. T., DİKMEN İ.  
4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.1-15
- VIII. **İnşaat Projeleri için bir Portföy Yönetim Aracının Geliştirilmesi**  
Bilgin G., Yıldız A. E., EROL H., Dikmen I., Birgönül M. T., Özorhon B.

3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 6 - 08 November 2014
- IX. **Yalın İnşaat Uygulamalarının 4-Boyutlu Model ile Gösterimi**
- EROL H., Eken G., Bilgin G., Dikmen İ., Birgönül M. T.
3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 6 - 08 November 2014

## Metrics

Publication: 18

Citation (Scopus): 156

H-Index (Scopus): 6