

## Res. Asst. ÜMİT BAHADIR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAK-9019-2021

ScopusID: 57222552057

Yoksis Researcher ID: 240564

### Education Information

Doctorate, Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey 2018 - Continues

Postgraduate, Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey 2014 - 2018

Undergraduate, Karadeniz Technical University, -, İnşaat Mühendisliği, Turkey 2009 - 2014

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Other, Enerji Kimlik Belgesi Uzmanlığı, İnşaat Mühendisleri Odası, 2018

IT, Primavera P6, PRM Yazılım, 2016

Other, Binalarda Enerji Verimliliğinin Arttırılması Projesi Semineri, NIRAS, Çevre ve Şehircilik Bakanlığı, AB Projesi, 2016

IT, İTÜSEM BIM Uzmanı Sertifikası, İTÜSEM, 2015

Education Management and Planning, TÜBİTAK ULAKBİM Editör ve Yazar 6. Eğitim Semineri, Karadeniz Teknik Üniversitesi, 2015

### Dissertations

Postgraduate, YENİLEME PROJELERİNİN YÖNETİM SÜREÇLERİNDE YAPI BİLGİ MODELLEMESİ KULLANIMI: VAKA ÇALIŞMASI, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği / Yapım Yönetimi, 2018

### Research Areas

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

## Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, -, İnşaat Mühendisliği, 2015 - Continues

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

- I. **Automatic landslide detection and visualization by using deep ensemble learning method**  
HACIEFENDİOĞLU K., VAROL N., TOĞAN V., BAHADIR Ü., Kartal M. E.  
Neural Computing and Applications, 2024 (SCI-Expanded)
- II. **Investigation of Global Warming Potential of Concrete with Silica Fume and Blast Furnace Slag**  
NAYIR S., BAHADIR Ü., TOĞAN V.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, 2023 (SCI-Expanded)
- III. **The Effects of Structural Lightweight Concrete on Energy Performance and Life Cycle Cost in Residential Buildings**  
NAYIR S., BAHADIR Ü., ERDOĞDU Ş., TOĞAN V.  
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.65, no.2, pp.500-509, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Evaluation of structural lightweight concrete in terms of energy performance: A case study**  
Nayır S., Bahadır Ü., Erdoğan Ş., Toğan V.  
Pamukkale University Journal of Engineering Science, vol.27, no.6, pp.696-702, 2021 (ESCI)
- II. **Energy and economic performance analysis of different ventilated wall construction types in residential buildings**  
Bahadır Ü., Thomollari X., Maçka Kalfa S., Toğan V.  
Journal of Construction Engineering, Management & Innovation, vol.3, no.4, pp.305-318, 2020 (Peer-Reviewed Journal)
- III. **Evaluation of Energy-Cost Efficient Design Alternatives for Residential Buildings**  
BAHADIR Ü., THOMOLLARI X., TOĞAN V.  
Journal of Construction Engineering, Management & Innovation, vol.1, pp.43-54, 2018 (Peer-Reviewed Journal)
- IV. **Evaluation of water consumption and drinking water preferences in various areas of workers working in the construction sector of Trabzon**  
BAHADIR Ü., TEMEL B. A., DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B., DİLAVER İ., TOPBAŞ M.  
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, no.1, pp.52, 2017 (Peer-Reviewed Journal)
- V. **Reducing water consumption with sustainable building design; a case study**  
THOMOLLARI X., BAHADIR Ü., TOĞAN V., TOKDEMİR O. B.  
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, pp.55, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of workflow variability causes in the construction projects**  
Abuelaish R., Bahadır Ü., Toğan V.  
3rd International Civil Engineering & Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, pp.79-87
- II. **Effect of Different Concrete Types on Building Heating and Cooling Loads**

Nayır S., Bahadır Ü., Erdoğan Ş., Toğan V.

4th International Symposium of Engineering Application on Civil Engineering and Earth Sciences, Karabük, Turkey, 31 May - 02 June 2023, pp.247-256

**III. New Approaches in Civil Engineering Education**

Boz E., Bahadır Ü., Toğan V.

7th International Project and Construction Management Conference, İstanbul, Turkey, 20 - 22 October 2022, pp.1618-1632

**IV. Analysis of Parameters Affecting Decision Making to Retrofit of Existing School Buildings Using Ensemble Machine Learning Methods**

Bahadır Ü., Mostofi F., Toğan V.

7th International Project and Construction Management Conference, İstanbul, Turkey, 20 October 2022, pp.480-492

**V. Investigation of Structural Lightweight Concrete in terms of Energy Efficiency in Residential Buildings**

Nayır S., Bahadır Ü., Erdoğan Ş., Toğan V.

14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING (ACE 2020-21), İstanbul, Turkey, 6 - 08 September 2021, pp.247-254

**VI. Energy performance analysis of different roof construction types for a dwelling building: A case study in Antalya**

BAHADIR Ü., MAÇKA KALFA S., TOĞAN V., Thomollari X.

International Civil Engineering Architecture Conference, 17 - 20 April 2019, vol.1, pp.6-12

**VII. The Effect Of Window Alternatives On Energy Consumption And Life Cycle Cost In Moderate-Humid Climate Regions In Residential Buildings**

BAHADIR Ü., THOMOLLARI X., MAÇKA KALFA S., TOĞAN V., TOKDEMİR O. B.

2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, pp.138-153

**VIII. Reducing Water Consumption with Sustainable Building Design A Case Study**

BAHADIR Ü., Thomollari X., TOĞAN V., Tokdemir O.

2. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 13 February 2017 - 17 February 2017

**IX. Trabzon İlinde İnşaat Sektöründe Çalışan İşçilerin Su Tüketimlerinin ve Çeşitli Alanlarda İçme Kullanma Suyu Tercihlerinin Değerlendirilmesi**

BAHADIR Ü., TEMEL B. A., DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B., DİLAVER İ., TOPBAŞ M.

2nd International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017, pp.549-551

**X. Mevcut Binalarda BIM Kullanımı: Vaka Çalışması**

BAHADIR Ü., TOĞAN V., BAŞAĞA H. B.

4. Proje ve Yapım Yönetim Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.780-785

## Metrics

Publication: 21

Citation (WoS): 4

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

2nd International Energy and Engineering Conference 2017, Attendee, Gaziantep, Turkey, 2017

4. Proje ve Yapım Yönetimi Kongresi, Attendee, Eskişehir, Turkey, 2016

İnşaat Proje Yönetiminde BIM Sempozyumu, Attendee, İstanbul, Turkey, 2016

## Awards

BAHADIR Ü., Best Presentation Recognition, 2nd International Energy & Engineering Conference 2017, October 2017

BAHADIR Ü., 3.lük Ödülü, Design Together 2016 Bina Tasarım Yarışması, İstanbul Teknik Üniversitesi Mühendisliğe

Hazırlık Kulübü, February 2016