

## **Lect. PhD NURİ CİHAN KAYAÇETİN**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: HJJ-1164-2023

ScopusID: 36183834400

### **Education Information**

Doctorate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2010 - 2018

Postgraduate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2006 - 2009

Undergraduate, Middle East Technical University, Faculty of Architecture, Department of Architecture, Turkey 2001 - 2006

### **Dissertations**

Doctorate, A LIFE CYCLE ASSESSMENT BASED DECISION SUPPORT TOOL FOR EARLY-DESIGN PHASE OF MASS-HOUSING NEIGHBOURHOODS IN TURKEY, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2018

Postgraduate, Exploring Knowledge Management in the Practice of Architecture: A Pilot Study from the Turkish Capital, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2009

### **Research Areas**

Environmental Impact Assessment, Physical Urban Protection, Structural elements, Building materials

### **Academic Titles / Tasks**

Lecturer PhD, Middle East Technical University, Graduate School of Natural and Applied Sciences, Graduate School of Natural and Applied Sciences, 2020 - Continues

Lecturer PhD, Katholieke Universiteit Leuven, Engineering Technology, Building Physics and Sustainable Design, 2020 - 2022

### **Courses**

Life Cycle Assessment in Built Environment, Postgraduate, 2019 - 2020

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

- I. **Social Impact Assessment of Circular Construction: Case of Living Lab Ghent**  
Kayacetin N. C., Piccardo C., Versele A.  
SUSTAINABILITY, vol.15, no.1, 2023 (SCI-Expanded)
- II. **Integrated decision support for embodied impact assessment of circular and bio-based building components**  
Kayacetin N. C., Verdoodt S., Lefevre L., Versele A.  
JOURNAL OF BUILDING ENGINEERING, vol.63, 2023 (SCI-Expanded)
- III. **Embodied carbon assessment of residential housing at urban scale**  
Kayacetin N. C., Tanyer A. M.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.117, 2020 (SCI-Expanded)
- IV. **EXPLORING KNOWLEDGE MANAGEMENT IN THE PRACTICE OF ARCHITECTURE: A PILOT STUDY IN THE TURKISH CAPITAL**  
Kayacetin N. C., TANYER A. M.  
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.26, no.2, pp.279-307, 2009 (AHCI)

## **Books & Book Chapters**

- I. **Analysis of Embodied Carbon in Buildings Supported by a Data Validation System**  
Kayaçetin N. C., Tanyer A. M.  
in: Embodied Carbon in Buildings: Measurement, Management, and Mitigation, F. Pomponi, C. De Wolf, A. Moncaster, Editor, Springer, London/Berlin, Zürich, pp.143-164, 2018

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Evaluation of Circular Construction Works During Design Phase: An Overview of Valuation Tools**  
Kayacetin N. C., Verdoodt S., Lefevre L., Versele A.  
13th International Conference on Sustainability and Energy in Buildings (SEB), ELECTR NETWORK, 15 - 17 September 2021, vol.263, pp.89-100
- II. **A Circular and Bio-based Renovation Strategy for Low-income Neighbourhoods**  
Cihan Kayacetin N. C., Versele A.  
SBE 2022 Berlin D-A-CH Conference: Built Environment within Planetary Boundaries, sbe22 Berlin 2022, Virtual, Online, 20 - 23 September 2022, vol.1078
- III. **Life-Cycle Assessment Based Decision Support System Model for Early Design Phase of Mass Housing Projects**  
Kayaçetin N. C., Tanyer A. M.  
Powering the Energy Transition: The Role of Renewable Energy and Energy Efficiency, Ankara, Turkey, 7 - 08 September 2017
- IV. **Türkiye de Ada Ölçeğinde Toplu Konut Projelerinin Yaşam Döngüsü Açısından İncelenmesi**  
Kayaçetin N. C., TANYER A. M.  
4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.1146-1155
- V. **A Life Cycle Assessment Based Decision Support Model For Architecture engineering construction AEC Projects**  
Kayaçetin N. C., TANYER A. M.  
SBE - Smart Metropolises - Integrated solutions for Sustainable and Smart Buildings Cities, İstanbul, Turkey, 13 - 15 October 2016, pp.667-676
- VI. **Yaşam Döngüsü Değerlendirmesi Literatür Araştırması Eksiklikler ve Potansiyeller**  
Kayaçetin C., TANYER A. M.  
3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 6 - 08 November 2014, pp.1011-1021
- VII. **Genç Mimarların Yarışma Deneyimleri ve Yarışmaların 'Görünür Olmayan' Süreçleri Üzerine Bir**

## **Değerlendirme**

Kömez Dağlıoğlu E., Kayaçetin N. C., Malkamak Kayaçetin B., Batırbek C.

Yarışmalar ve Mimarlık Sempozyumu, İstanbul, Turkey, 07 May 2013, pp.132-142

## **Metrics**

Publication: 12

Citation (WoS): 17

Citation (Scopus): 20

H-Index (WoS): 2

H-Index (Scopus): 2

## **Awards**

Kayaçetin N. C., Expo 2016 Antalya Uluslararası Fikir Projesi, Mimarlar Odası Antalya Şubesi, May 2013

Kayaçetin N. C., Bursa Büyükşehir Belediyesi Orhangazi Meydanı ve Çevresi Kentsel Tasarım Proje Yarışması, T.C. Bursa Büyükşehir Belediyesi, February 2012

Kayaçetin N. C., Hatay İl Genel Meclisi – İl Özel İdare Hizmet Binası Ulusal Mimari Proje Yarışması, T.C. Hatay İl Özel İdaresi, October 2011