

## Personal Information

**Email:** fbeste@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/fbeste>

## International Researcher IDs

ScholarID: [aijQAbkAAAAJ](https://orcid.org/0000-0003-2036-3899)

ORCID: 0000-0003-2036-3899

Publons / Web Of Science ResearcherID: AAY-9561-2021

Yoksis Researcher ID: 317259

## Dissertations

Postgraduate, Evaluation of the Effects of Service Core Reduction on Tall Building Structures, Middle East Technical University, Faculty of Architecture, Department of Architecture, 2019

## Research Areas

Architecture, Building Information

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

- I. **The impact of service core reduction in supertall buildings: a study on structural design, embodied carbon, and leasable floor area**  
Fakioğlu Gedik B., Ay B. Ö.  
Architectural Science Review, vol.66, no.2, pp.144-153, 2023 (AHCI)

## Articles Published in Other Journals

- I. **An analysis of comparative studies on embodied carbon and embodied energy assessment of tall building structures**  
Fakioğlu Gedik B., Ay B. Ö., Çakmaklı A. B.  
MEGARON, vol.18, no.3, pp.387-400, 2023 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Embodied Greenhouse Gas Assessment of Tall Building Structures: An Overview of Comparative Studies**  
Fakioğlu Gedik B., Ay B. Ö., Çakmaklı A. B.  
Challenges for the Next Generation Built Environment (NEXT BUILT), Bologna, Italy, 13 May 2022
- II. **Evaluation of the Effects of Service Core Reduction on Tall Building Structures**  
Fakioğlu B., Ay B. Ö.  
4th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Praha, Czech Republic, 17 -

21 June 2019

**III. The Effects of Service Core Reduction on Tall Building Structures**

Fakiođlu Gedik B., Ay B. Ö.

International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.2, pp.496-507

**Metrics**

Publication: 5

Citation (WoS): 1

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1