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## **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**

Fakioğlu 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 (Scopus): 1

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