

## Res. Asst. ALEYNA AĞIRMAN KALCA

### Personal Information

Office Phone: [+90 462 377 2095](tel:+904623772095)

Email: [aleynaagirman@ktu.edu.tr](mailto:aleynaagirman@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr/aleynaagirman>

### International Researcher IDs

ORCID: 0000-0002-1147-141X

Publons / Web Of Science ResearcherID: AAS-5421-2020

Yoksis Researcher ID: 293074

### Research Areas

Engineering and Technology

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

- I. **Effect of air exhaust location on surgical site particle distribution in an operating room**  
AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.  
BUILDING SIMULATION, vol.13, no.5, pp.979-988, 2020 (SCI-Expanded)
- II. **Effect of laminar airflow unit diffuser size on pathogen particle distribution in an operating room**  
Ağırman A., Çetin Y. E., Avci M., Aydın O.  
SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, vol.0, pp.1-12, 2020 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Investigation of Pressure Distributions on Hemispherical Roofs With Different Eave Types**  
Cürebal T., Ağırman Kalca A., Özmen Y.  
Mühendis ve Makina, vol.62, no.705, pp.702-714, 2021 (Peer-Reviewed Journal)
- II. **Bir Ameliyathanede Hava Değişim Katsayısının Partikül Dağılımı Üzerine Etkisi**  
AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.  
Tesisat Mühendisliği, 2019 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **NUMERICAL INVESTIGATION OF EFFECT OF SPOILER ELEMENT TO PRESSURE DISTRIBUTION ON 45° PITCHED HIP ROOF**  
Ağırman Kalca A., Cürebal T., Özmen Y.  
23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021, pp.1858-1864
- II. **Laminer Akış Ünitesi Boyutunun Cerrahi Alan Üzerindeki Patojen Partikül Dağılımına Etkisi**  
AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.  
22. Isı Bilimi ve Tekniği Kongresi (22nd Congress on Thermal Science and Technology), 11 - 14 September 2019
- III. **Effect of Air - Exhaust Location on Surgical Site Particle Distribution in an Operating Room**  
AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.

10th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings (X IAQVEC2019), 5 - 07 September 2019

**IV. Influence of ceiling height on airflow and particle distribution in an operating room**

AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.

13th REHVA World Congress, CLIMA 2019, 26 - 29 May 2019

**V. Bir Ameliyathanede Hava Değişim Katsayısının Partikül Dağılımı Üzerine Etkisi**

AĞIRMAN A., ÇETİN Y. E., AVCI M., AYDIN O.

14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, Turkey, 17 - 20 April 2019

## **Metrics**

Publication: 9

Citation (WoS): 13

Citation (Scopus): 18

H-Index (WoS): 1

H-Index (Scopus): 2