

Res. Asst. Çağatay TAKVA

Personal Information

Email: cagataytakva@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/cagataytakva>

International Researcher IDs

ScholarID: 1jjTjYgAAAAJ

ORCID: 0000-0002-0494-9972

Publons / Web Of Science ResearcherID: GSN-9088-2022

ScopusID: 58353320300

Yoksis Researcher ID: 355499

Education Information

Doctorate, Gazi University, Mimarlık Fakültesi, Mimarlık, Turkey 2022 - Continues

Postgraduate, Gazi University, Mimarlık Fakültesi, Mimarlık, Turkey 2019 - 2021

Undergraduate, Van Yüzüncü Yıl University, Mimarlık Ve Tasarım Fakültesi, Mimarlık Bölümü, Turkey 2015 - 2019

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Uluslararası Akdeniz Uygulamalı Bilimler Kongresi, İKSAD-INSTITUTE OF ECONOMIC DEVELOPMENT AND SOCIAL RESEARCH, 2022

Vocational Training, Afet Farkındalık Eğitimi, Disaster and Emergency Management Presidency, 2021

Research Areas

Architecture, Building Information, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Ataturk University, Mimarlık ve Tasarım Fakültesi, Mimarlık, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Structural analysis of steel load-bearing systems using tessellation method in geometric architectural design**
Takva Ç., İlerisoy Z. Y.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.48, no.3, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Post-earthquake fires: risk assessment and precautions**
GÖKŞEN TAKVA F., TAKVA Ç., TAKVA Y., İLERİSOY Z. Y.
MEHRAN UNIVERSITY RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY, no.1, pp.1-16, 2024 (ESCI)
- II. **Examination of Contemporary Additions Made with Adaptive Reuse of Historic Building Heritage**
Takva Y., Takva Ç., Gökşen F., İlerisoy Z. Y.
ONLINE JOURNAL OF ART AND DESIGN, vol.11, no.4, pp.124-136, 2023 (Peer-Reviewed Journal)
- III. **A Contemporary House Proposal: Structural Analysis of Wood and Steel Bungalows**
TAKVA Y., TAKVA Ç., GÖKŞEN F.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.13, no.3, pp.11032-11035, 2023 (ESCI)
- IV. **Flying Robot Technology (Drone) Trends: A Review in the Building and Construction Industry**
Takva Ç., İlerisoy Z. Y.
ARCHITECTURE CIVIL ENGINEERING ENVIRONMENT, vol.16, no.1, pp.47-68, 2023 (ESCI)
- V. **Climate-sensitive Design in Traditional Residential Architecture: Kars Karakurt Houses**
Çakıcı F. Z., Takva Ç.
INTERNATIONAL JOURNAL OF BUILT ENVIRONMENT AND SUSTAINABILITY, vol.10, no.3, pp.1-11, 2023 (ESCI)
- VI. **Sustainable Adaptive Reuse Strategy Evaluation for Cultural Heritage Buildings**
Takva Y., Takva Ç., İlerisoy Z. Y.
INTERNATIONAL JOURNAL OF BUILT ENVIRONMENT AND SUSTAINABILITY, vol.10, no.2, pp.25-37, 2023 (ESCI)
- VII. **Net Positive Energy Buildings in Architectural Context**
Takva Ç., Çalışkan B. N., Çakıcı F. Z.
Journal of Asian Scientific Research, vol.12, no.3, pp.135-145, 2022 (Peer-Reviewed Journal)
- VIII. **Investigation of Tessellation Patterns in Long-Span Structures**
Takva Ç., İlerisoy Z. Y.
Gazi University Journal of Science Part B: Art Humanities Design and Planning, vol.9, no.3, pp.235-249, 2021 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **1970'lerde Düzenlenen Yarışma Projeleriyle Elde Edilen Atatürk Üniversitesi Kampüs Yapıları**
ÇAKICI F. Z., TAKVA Ç.
in: Anadolu'nun İmarında Yarışmalar : 1930-1990, Filiz Sönmez, Semra Arslan Selçuk, Editor, idealkent, Ankara, pp.349-363, 2023
- II. **STRUCTURAL APPLICATION OF GEOMETRIC PATTERNS: RECIPROCAL FRAME SYSTEMS**
Takva Ç., Takva Y.
in: CURRENT RESEARCH IN ARCHITECTURE, PLANNING AND DESIGN, GÜNGÖR, Sertaç, Editor, Gece Kitaplığı, Ankara, pp.67-82, 2023
- III. **2000 YILI VE SONRASI YARIŞMA PROJELERİNDE GENİŞ AÇIKLIK PROBLEMİ: BELEDİYE HİZMET BİNALARI ÜZERİNDEN İNCELENMESİ**
Takva Y., Takva Ç.
in: FEN VE MÜHENDİSLİK UYGULAMALARINDA MALZEME TEMİNİ VE ÜRETİM YÖNTEMLERİ, GÜLDAL Serkan, Editor, İKSAD, Ankara, pp.191-205, 2022
- IV. **3 BOYUTLU YAZICI TEKNOLOJİLERİNDE KONUT FONKSİYONU: BİBLİYOMETRİK ANALİZ**
Top S. M., Takva Ç., İlerisoy Z. Y.
in: BARINMA KÜLTÜRÜ, YALDIZ Esra, BÜYÜKŞAHİN Süheyla, Editor, Necmettin Erbakan Üniversitesi Yayınları, Konya, pp.497-514, 2022
- V. **BASIC EXCAVATION METHODS IN BUILDING-FOUNDATION INTERACTION; TOP-DOWN METHOD IN HIGH-RISE BUILDINGS**
Takva Ç., Takva Y.

in: ENGINEERING FROM MACHINE LEARNING TO VIRTUAL REALITY, ŞAŞMAZ Merivan, Editor, İKSAD, Ankara, pp.139-161, 2022

VI. TEMPORARY-SHELTERING STRUCTURES AND INVESTIGATION OF THEIR REUSE AFTER DISASTER

Takva Ç., Top S. M., Takva Y., İlerisoy Z. Y.

in: BARINMA KÜLTÜRÜ, YALDIZ Esra, BÜYÜKŞAHİN Süheyla, Editor, Necmettin Erbakan Üniversitesi Yayınları, Konya, pp.505-522, 2022

VII. TESSELLATION CONFIGURATIONS TRANSFORMING FROM ART TO STRUCTURAL DESIGN OF GRIDSHELL STRUCTURES

Takva Ç., Takva Y.

in: RESEARCH & REVIEWS IN ARCHITECTURE, PLANNING AND DESIGN, ÇETİNKALE DEMİRKAN Gülbin, GÜNGÖR Sertaç, Editor, Gece Kitaplığı, Ankara, pp.1-18, 2022

Refereed Congress / Symposium Publications in Proceedings

I. MODULAR SYSTEM APPLICATIONS IN HIGH-RISE BUILDINGS

Takva Y., İlerisoy Z. Y., Takva Ç.

Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 - 24 April 2022, pp.399-409

II. INVESTIGATION OF THE SHARD TOWER WITHIN THE SCOPE OF ADVANCED CONSTRUCTION TECHNIQUES

Takva Ç., İlerisoy Z. Y., Takva Y.

Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 - 24 April 2022, pp.385-398

Supported Projects

Çakıcı F. Z., Çalışkan B. N., Takva Ç., Project Supported by Higher Education Institutions, Şimdi Kariyerimi Planlama Zamanı, 2022 - 2022

Çakıcı F. Z., Takva Ç., Çalışkan B. N., Project Supported by Higher Education Institutions, Huzur Var, 2022 - 2022

Metrics

Publication: 18

Congress and Symposium Activities

Mediterranean International Conference on Research in Applied Sciences , Attendee, Antalya, Turkey, 2022

Mediterranean International Conference on Research in Applied Sciences , Attendee, Antalya, Turkey, 2022