

ALİ BERKAY AVCI

RESEARCH ASSISTANT, Dr.



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Education

Doctoral 2018 26/March/2024	IZMIR INSTITUTE OF TECHNOLOGY/GRADUATE SCHOOL/PHD IN ARCHITECTURE Thesis name: Evaluation of Thermal Comfort Conditions during Training in Physical Fitness Spaces (2024) Thesis Advisor: PROF. DR. TAHSİN BAŞARAN
Master 2016 6/June/2018	SULEYMAN DEMIREL UNIVERSITY/INSTITUTE OF SCIENCE/MSC IN ARCHITECTURE Thesis name: Investigation of Accommodation Buildings in Alacati in Terms of Climate Responsivity and Sustainable Architecture (2018) Thesis Advisor: PROF. DR. ŞEFİKA GÜLİN BEYHAN
Bachelor's Degree 2008 June/2012	IZMIR INSTITUTE OF TECHNOLOGY/FACULTY OF ARCHITECTURE/ DEPARTMENT OF ARCHITECTURE

Academic Positions

RESEARCH ASSISTANT 2016-2019	SULEYMAN DEMIREL UNIVERSITY/FACULTY OF ARCHITECTURE/ DEPARTMENT OF ARCHITECTURE
RESEARCH ASSISTANT 2019-PRESENT	IZMIR INSTITUTE OF TECHNOLOGY/FACULTY OF ARCHITECTURE/ DEPARTMENT OF ARCHITECTURE

Positions in Projects:

1. INVESTIGATION OF ACCOMMODATION BUILDINGS IN ALACATI IN TERMS OF CLIMATE RESPONSIVITY AND SUSTAINABLE ARCHITECTURE, Scientific Research Project Supported by Higher Education Institutions, Primary Investigator:ŞEFİKA GÜLİN BEYHAN, Scholarship Recipient:ALİ BERKAY AVCI, , 26/12/2016 - 26/12/2018
2. Egzersiz Sırasında İnsan Isıl Davranışının ve İç Mekân Isıl Ortam Koşullarının Deneysel Olarak Belirlenmesi ve Hesaplamalı Akışkanlar Dinamiği Yardımı ile Modellenmesi, TUBITAK Project (1002), Primary Investigator:ALİ BERKAY AVCI, Researcher:GÖRKEM AYBARS BALCI, Supervisor:TAHSİN BAŞARAN,15/10/2022 - 15/04/2023
3. DEVELOPMENT OF A DESIGN GUIDE FOR CULTURAL TOURISM LANDSCAPE AND TRADITIONAL RESIDENTIAL ARCHITECTURE: A CASE STUDY OF İSLAMKÖY ISPARTA, Scientific Research Project Supported by Higher Education Institutions, Primary Investigator:Atila GÜL, Researcher:Ali Berkay AVCI,27/04/2018 - 15/04/2023

Awards

1. Architects' Chamber Bursa Branch, Reception - Exhibition - Presentation Space in 23rd International Building Life Congress and Exhibition Area, National Student Idea Competition, 2011 (3rd Incentive Award)

Works

Articles published in international refereed journals:

1. BALCI GÖRKEM AYBARS, **AVCI ALİ BERKAY**, BAŞARAN TAHSİN (2024). Estimation of Heat Production Rate using Thermal Data During Exercise in Indoor Environments: A Study of Heat Storage Rate in Male Athletes. *International Journal of Biometeorology*, Doi: 10.1007/s00484-024-02648-y (SCIE – Q2)
2. TOKÖZ ÖZGE DENİZ, **AVCI ALİ BERKAY**, DURAN HASAN ENGİN (2024). Factors Affecting Tourist Visits to Archaeological Sites in Turkey: A Spatial Regression Analysis. *European Spatial Research and Policy*, 30(2), 133-156., Doi: 10.18778/1231-1952.30.2.09 (ESCI)
3. **AVCI ALİ BERKAY**, BALCI GÖRKEM AYBARS, BAŞARAN TAHSİN (2024). Optimizing Thermal Comfort in Physical Exercise Spaces: A Study of Spatial and Thermal Factors. *Energy and Buildings*, 303, 113782, Doi: 10.1016/j.enbuild.2023.113782 (SCIE – Q1)
4. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2023). Revealing the Climate-Responsive Strategies of Traditional Houses of Urla, İzmir. *International Journal of Sustainable Building Technology and Urban Development*, 14(1), 18-34., Doi: 10.22712/susb.20230003 (Scopus)
5. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2023). A Case Study on Experiential Learning in Architecture: Accessible, Climate-Responsive, and Flexible House Designs. *Emara: Indonesian Journal of Architecture*, 8(1), 14-21., Doi: 10.29080/eija.v8i1.1654 (Refereed J)
6. PEKDOĞAN TUĞÇE, **AVCI ALİ BERKAY** (2022). A Field Study on Adaptive Thermal Comfort in a Naturally Ventilated Design Studio Class in the Post-pandemic Period. *Alam Cipta International Journal Of Sustainable Tropical Design Research & Practice*, 15(2), 80-86., Doi: 10.47836/ac.15.2.paper09 (Scopus)
7. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2020). Investigation of Buildings in Alacati in Terms of Energy Efficiency in Architecture. *ICONARP International Journal of Architecture and Planning*, 8(2), 24-629., Doi: 10.15320/ICONARP.2020.129 (ESCI)
8. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2017). Achieving a Sustainable City Image in Terms of Twenty-Four Hour City Principles: Case of the Kemeralti Bazaar of Izmir, TURKEY. *MATTER: International Journal of Science and Technology*, 3(1), 193-209., Doi: 10.20319/Mijst.2017.s31.193209 (Refereed J)

B. Papers presented at international scientific meetings and published in proceedings :

1. AKYOL GAMZE, **AVCI ALİ BERKAY** (2023). AI Applications in Cultural Heritage Preservation: Technological Advancements for the Conservation. 4. Baskent International Conference on Multidisciplinary Studies, 94-101., Doi: 10.6084/m9.figshare.24077862 (Full Text Publication/Oral Presentation)
2. **AVCI ALİ BERKAY**, AKYOL Gamze (2023). The Role of Digital Technologies in Enhancing Heritage Tourism. 4. Baskent International Conference on Multidisciplinary Studies, 102-109., Doi: 10.6084/m9.figshare.24078744.v1 (Full Text Publication/Oral Presentation)
3. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2018). Use of Natural Stone Materials in Specialized Areas of Modern Housing. 6. International Interior Design Symposium – New Approaches to Space Design 214-223. (Full Text Publication/Oral Presentation)
4. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2018). Experimental Learning Housing Design in Terms of Accessibility, Climate Responsivity and Flexibility. 7th World Conference on Design and Arts (WCDA 2018), 36-36. (Abstract/Oral Presentation)
5. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2018). From the Students' Perspective the reflections of the Contemporary Lifestyles on the Residential Architecture in Turkey. 7th World Conference on Design and Arts (WCDA 2018), 35-35. (Abstract/Oral Presentation)
6. **AVCI ALİ BERKAY**, BEYHAN ŞEFİKA GÜLİN (2017). Revealing the Sustainable Design Properties of a Vernacular House in Alaçatı, Turkey by Building Energy Modelling. SDBE 2017 - International Conference for Sustainable Design of the Built Environment, 1034-1045. (Full Text Publication/Oral Presentation)

7. **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN (2017).** Creating the Sustainable Design Guide of Alaçatı in Terms of Cultural Sustainability. International Congress of the New Approaches and Technologies for Sustainable Development September 21-24, 2017 Isparta / TURKEY, 78-79. (Abstract/Oral Presentation)
8. **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN (2017).** Assessment of a Hotel Converted from a Traditional House in Alaçatı by Building Energy Modeling in terms of Ecological Sustainability. International Congress of the New Approaches and Technologies for Sustainable Development September 21-24, 2017 Isparta / TURKEY, 80-81. (Abstract/Oral Presentation)
9. **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN (2017).** Condition of the Alaçatı Sustainable Tourism Targets and Implementations in the Conceptual Relationship of the Local Memory / Identity / Architecture. International Congress on Cultural Heritage and Tourism, 195-209. (Full Text Publication/Oral Presentation)
10. **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN (2016).** Achieving A Sustainable City Image In Terms Of Twenty Four Hour City Principles Case Of The Kemeralti Bazaar Of Izmir Turkey. 8th International Conference on Researches in Science and Technology (ICRST), 20-21 Dec 2016, Dubai, 28-28. (Abstract/Oral Presentation)
11. **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN (2016).** Investigation of Vernacular Houses in Postahane Street of Urla Izmir Turkey in Terms of Vernacular Memory Architectural Heritage and Sustainability. World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium - WMCAUS, 381-381. (Abstract/Oral Presentation)

C. Authored national/international books or chapters in books:

C2. Chapters written in national/international books:

1. Current Debates in Architecture, Planning and Design, Chapter name:(Customized Housing Designs for Contemporary Users in Turkey from the Perspective of Architecture Students) (2022)., **AVCI ALİ BERKAY, BEYHAN ŞEFİKA GÜLİN,** Duvar Publishing, Editor:KAYA, Latif Gürkan; BALPETEK, Berkan, Edition no:1, Pages 16, ISBN:978-625-8109-87-0, (Scientific Book)

F. Art and design activities :

1. National, WORKSHOP, 22.12.2016-23.12.2016, Architecture and Maths – Space Design with Voronoi, Süleyman Demirel University, Faculty of Architecture
2. International, Exhibitions, 18.10.2017-21.10.2017, Marble Show Antalya – Natural Stone, Marble, Project and Technologies Fair 2017, Antalya Expo Center
3. Biennels and triennels, 05.10.2017-06.10.2017, IABA International Antalya Architecture Biennial, Antalya Chamber of Architects

Non-academic Experience

2015-2015	Mimar	OMKA İnşaat (Turkey), Interior Design and Visualization
2013-2016	Mimar	Saygın Gold Architectural and Engineering Consultancy (Ethiopia), Interior Design and Visualization
2013-2014	Mimar	Baydur Trading P.L.C (Etiyopya), Interior Design and Visualization
2012-2013	Mimar	OCADO Mimarlık (Turkey), Architectural Design and Visualization

Design

1. Süleyman Demirel Üniversitesi 15 July Democracy and Martyrs Monument Design, Ali Berkay AVCI, , Applied by the Rectorate of Süleyman Demirel University, 01.10.2016 -15.07.2017