

# CURRICULUM VITAE



Professor Dr. Semiha YILMAZER

## 1. PERSONAL DATA

Date and Place of Birth : May 12, 1967, İskenderun – Türkiye  
Address : Hasan Kalyoncu University (HKU), Faculty of Fine Arts and Architecture,  
Department of Architecture, Gaziantep – Türkiye  
E-Mail : [semiha.yilmazer@hku.edu.tr](mailto:semiha.yilmazer@hku.edu.tr) (HKU)  
[ysemiha@metu.edu.tr](mailto:ysemiha@metu.edu.tr) (METU)

## 2. ACADEMIC DEGREES

<b>Prof. Dr.</b>	Hasan Kalyoncu University (HKU)	2025
<b>Prof. Dr.</b>	Middle East Technical University (METU)	2025
<b>Visiting Professor.</b>	Purdue University, India, USA	2022
<b>Visiting Professor.</b>	Appalachian State University, North California, USA	2019
<b>Assoc.Prof.</b>	Architecture (Technology)- High Education Council (YÖK)	2010
<b>Asst.Prof.</b>	Bilkent University	2006
<b>Ph.D.</b>	Karadeniz Technical University	1998
<b>M.Sc.</b>	Karadeniz Technical University	1990
<b>B.S.</b>	Karadeniz Technical University	1987

## 3. EMPLOYMENT HISTORY

**09 2025 – Present** Professor (Full-time)  
Hasan Kalyoncu University (HKU), Faculty of Fine Arts and Architecture,  
Department of Architecture, Gaziantep, Türkiye

**10 2025 – Present** Professor (Part-time)  
Middle East Technical University, Faculty of Architecture,  
Department of Architecture, Ankara, Türkiye

**12 2011 – Present** Company Founder  
CSY Ar-Ge ve Mühendislik Mimarlık Danışmanlık-Semiha Yilmazer

**01 2019 – 06 2019** Visiting Professor  
Appalachian State University  
Department of Interior Architecture, North Carolina, USA

**02 2006 – 08 2025** Assistant Professor  
Bilkent University, Department of Interior Architecture and Environmental Design  
(IAED), Ankara, Türkiye

**09 2000 - 02 2006** Instructor (Full-time)  
Bilkent University, IAED, Ankara, Türkiye

**02 2000 – 06 2000** Instructor (Part-time)  
Bilkent University, IAED, Ankara, Türkiye

**04 1998 - 01 2000** Teaching Assistant (Ph.D.)  
Karadeniz Technical University, Dept. of Architecture, Trabzon, Türkiye

**09 1989 - 04 1998** Research Assistant  
Karadeniz Technical University, Dept. of Architecture, Trabzon, Türkiye

**03 1989 – 07 1987** Architect  
Ekol Mimarlık Mühendislik Ltd. [Architecture & Engineering Ltd.], Trabzon, Türkiye

#### **4. PROFESSIONAL AWARDS**

- 4.1.**TÜBİTAK (Scientific and Technical Research Council of Turkey) 2219 Grant, 2019
- 4.2.**TÜBİTAK (Scientific and Technical Research Council of Turkey) 2214 Grant, 2010
- 4.3.**Winner of World Bank "Turkey Development Marketplace Competition", 2005
- 4.4.**Science Award of TÜBİTAK 1998, Hüsametdin Tuğaç Vakfı, Second Prize
- 4.5.**Science Award of TÜBİTAK 1996, Hüsametdin Tuğaç Vakfı, Third Prize
- 4.6.**National Productivity Center of Turkey scholarship for Ph.D. study, 1998
- 4.7.**National Productivity Center of Turkey scholarship for M.S. study, 1990

#### **5. HONORS, SCHOLARLY AND PROFESSIONAL DUTIES, AND ACHIEVEMENTS**

- 5.1.**Faculty Advisor, 2024. The Robert Bradford Newman Student Award, Acoustical Society of America, Medalist: Ela Fasllija (Ph.D.), Project Title: Developing Wideband Acoustic Absorbers Through Modelling, Measurements, and Architectural Settings.
- 5.2.**Faculty Advisor, 2021. Bilkent University, ESBE Kalbiye Tansel and Çiğdem Baran Tansel Ph.D Award. Recipient: Volkan Acun (Ph.D.), Title: An Approach Based on Sound Classification to Predict Soundscape Perception Through Machine Learning (ML).
- 5.3.**Consulting for R&D Project supported by FELTOUCH COMPANY, Beylerbeyi, İstanbul (see 13)
- 5.4.**Visiting Scholar, Purdue University, Mechanical Engineering Department, W. Ray Herrick's Laboratory, 2021-2022, West Lafayette, Indiana, USA.
- 5.5.**Visiting Professor, Appalachian State University, Interior Design Department, 2019, Boone, North Carolina, USA.
- 5.6.**Associate Member, National Nanotechnology and Materials Institute (UNAM), Ankara, 2015-
- 5.7.**D1\_Temel Bina Akustiği Eđitimi Eđitmeni, Şehircilik ve Çevre Bakanlığı, 2019 -
- 5.8.**TÜBİTAK MAG (Mühendislik Araştırma Grubu) Proje Panelisti, 2015 -
- 5.9.**Member of Editorial Board of the Journal of Livenarch, May 2024-
- 5.10.**Member of Editorial Board of Architectural Science Review, December 2007-
- 5.11.**Project manager of TÜBİTAK 3001 Program (see 13.1)
- 5.12.**Project manager of R&D project supported by CSY R&D Eng., (see 13.3)
- 5.13.**Project manager of KOSGEB Innovation Programme, (see 13.4)
- 5.14.**Project Refereeing for M-ERA.NET Call 2016 (P.Coordinator: Norwegian University, Norway)
- 5.15.**Expert on D1\_Building Insulation Certificate (D1 Uzmanı)
- 5.16.**Expert on Energy Identification Certificate (EKB Uzmanı)
- 5.17.**Consulting for R&D project supported by Tepe Betopan A.Ş, (see 13.5)
- 5.18.**Consulting for Project Proposal, TÜBİTAK TEYDEP 1505, Tepepan A.Ş, 2014
- 5.19.**Consulting for Acoustical Renovation for TRT Ankara Radyo Evi, 2015
- 5.20.**Coordinator of "Architectural Acoustics and Fire Safety", Bilkent University (BU), 2010-present
- 5.21.**Coordinator of "4th year Interior Design Studio", Bilkent University (BU), 2021-present
- 5.22.**Coordinator of Graduate Course"Art, Science, and Technology", Bilkent University (BU), 2024
- 5.23.**Coordinator of "3<sup>rd</sup> year Interior Design Collaborative Studio", Bilkent University (BU), Turkey and Appalachian State University (ASU), USA-2016
- 5.24.**Chairman of the 36<sup>th</sup> International Inter-noise Congress, 2007\_Present
- 5.25.**Congress Session Organizer, Artificial Intelligence in Built Environments, Inter-noise 2020\_Present
- 5.26.**Congress Session Organizer, Indoor Soundscape, Inter-noise, 2015\_Present
- 5.27.**Congress Session Organizer, LIVENARCH-IV Replacement of Architecture
- 5.28.**Laboratory establisher of Innovative Building Materials- Dept. of Interior Architecture, Bilkent University, 2016
- 5.29.**Laboratory establisher of Color and Lighting-Full scale- Dept. of Interior Architecture, Bilkent University, 2008
- 5.30.**Laboratory establisher of Building Materials-Dept. of Architecture, Karadeniz Technical University (KTU), 1995
- 5.31.**Research Project Referee\_Consultancy, TUBİTAK 2515 (Action TO0901), TUBİTAK TEYDEP 1507, TUBİTAK 1001, European Research (EU) Project\_2018 to 2024, Netherland\_NGF 2024.

#### **6. Services to the Academic Field**

- 6.1** Refereeing for Scholarly and Professional Journals

Applied Acoustics (SCI), 2015-  
Building and Environment (SCI), 2011-

Acta Acustica United with Acustica (SCI), 2015-  
Color Research and Application (SCI), 2015-  
Construction and Building Material (SCI), 2015-  
Journal of Livenarch, 2024-

## **7. PROFESSIONAL ACTIVITIES**

- 7.1.** Founder and Manager of CSY Ar-ge ve Mühendislik Mimarlık Danışmanlık- Semiha Yılmaz, [CSY R&D Engineering Architecture Consulting]-(2011-present). This company is conducting R&D projects, which are given below (see 13). <http://www.csy-ar-ge.com.tr>
- 7.2.** Architectural Design and Application of YILMAZERS' Villa, Altınoluk, Turkey, 1995
- 7.3.** Architectural Design and Application of KOCs' Apartment, Trabzon, Turkey, 1992

## **8. MEMBERSHIP**

- 8.1.** Member of Turkish Acoustics Society
- 8.2.** Member of the Turkish Lighting Society
- 8.3.** Member of the Turkish Chamber of Architects
- 8.4.** Member of the Architect Association

## **9. INVITED LECTURES AND INVITED TALKS**

- 9.1.** Uzman D1 Eğitmeni, Şehircilik ve Çevre Bakanlığı\_D1 Temel Bina Akustiği Eğitimi, TMMOB Mimarlar Odası, 2018 to present.
- 9.2.** Mimari Akustik Rapor ve D1 Eğitimi? [Architectural Acoustic Report and D1 Training Program], SGMS Seminerleri, TMMOB Mimarlar Odası, Gebze Şubesi, June 2024.
- 9.3.** Mimari Akustik Rapor ve Projesi Neden Gereklidir? [Why the Architectural Acoustic Report and Projects Is Required?], SGMS Seminerleri, TMMOB Mimarlar Odası, Ankara Şubesi, November 2022.
- 9.4.** Mimarlık ve Uzlaş [Architecture and Consensus], Kocaeli Üniversitesi, Mimarlık ABD Doktora Atölye II, March 2021
- 9.5.** Visiting Professor in the Department of Applied Science, Appalachian State University, North Carolina, USA, Spring 2019 Semester
- 9.6.** Building Science Review of Year, Appalachian State University, North Carolina, USA, May 2019
- 9.7.** Applications of Sound Insulation in Dwellings, Department of Architecture, IDEX, Appalachian State University, North Carolina, USA, March 2019
- 9.8.** How Technology Enables a Global Cross-cultural Design Studio, Appalachian State University, North Carolina, USA, March 2019.
- 9.9.** Diyarbakır' in Tarihi Sesleri: Diyarbakır Suriçi Bölgesinde Akustik Mirasın Değerlendirilmesi [Historical Sounds of Diyarbakır: The Assessment of the Architectural Heritage in Diyarbakır Suriçi Distinct], Dicle Üniversitesi, 28 March 2018.
- 9.10.** Passive House\_Expanded Perlite Clay-Based (ExcP) Thermal Insulation Board, EU H2020 International Brokerage Event, Cities of Future (CoF), 26-27 October 2017, Brussels, Belgium. TÜBİTAK received monetary support.
- 9.11.** Cami Akustiği – Kocatepe Camii, Diyanet İşleri Başkanlığı ve Bilkent Üniversitesi [Mosque Acoustics - Kocatepe Mosque, Presidency of Religious Affairs and Bilkent University], October 2005.
- 9.12.** Perlit ve Yalıtımdaki Yeri, Demirtaş- Hafifbeton ve Hafifyapı Teknikleri Semineri (3), [Perlite and Using for Insulation, Seminar of Lightweight Concrete and Lightweight Construction Techniques (3)], June 2001.
- 9.13.** Yapı Kabuğu ile Gürültü Denetimi, *TMMOB Makina Mühendisleri Odası* [External Building Material and Noise Control, Chamber of Mechanical Engineering], June 1998.

## **10. ARTISTIC EXHIBITS OR PERFORMANCES**

- 10.1.** "Mediterranean: Space- 5 Senses- Memory", Mimarlar Derneği, May 2004.
- 10.2.** "The Abstraction of a Tree", Bilkent University, February 2002.
- 10.3.** "Order", Municipality of Çankaya, Contemporary Arts Center, sponsored by Bilkent University Foundation, February 10-17, 2001.

## **11.TEACHING**

### **11.1. Graduate Courses:**

- 11.1.1. Hasan Kalyoncu University, Applied Science Institute, ARCH Program (2025-present)  
MIM 565 Mimarlıkta Veri Toplanması ve Analizi (Data Collection and Analysis in Architecture)  
MIM 646 Mimarlıkta Analiz Yöntemleri (Analysis Approaches in Architecture)
- 11.1.2. Bilkent University ESBE IAED Program(2024-2025)  
IAED 574 Science, Art, and Technology

### **11.2. Undergraduate Courses:**

- 11.2.1. Hasan Kalyoncu University,  
MIM 319 Yapı Fiziği (Building Physics) (2025-Present)
- 11.2.2. Middle East Technical University (2025-Present)  
ARCH 460 Appropriate Technology
- 11.2.3. Appalachian State University, North Carolina, USA (2019 Spring)  
3001 Interior Design Studio-I  
3003 Interior Design Studio-III
- 11.2.4. Bilkent University, Ankara, Turkey (2000-2025)  
IAED 341 Architectural Acoustics and Fire Safety  
IAED 301 Design Studio-III  
IAED 302 Design Studio-IV  
IAED 201 Design Studio-II  
IAED 202 Design Studio-II  
IAED 401 Design Studio-V  
IAED 402 Design Studio-VI  
FA 101 Basic Design-I  
FA 102 Basic Design-II  
FA 131 Technical Drawing and Lettering-I  
FA 132 Technical Drawing and Lettering-II
- 11.2.5. Karadeniz Technical University, Trabzon, Turkey (1998-1999)  
MIMB 242 Mimari Tasarım [Architectural Design] IV-III  
MIMB 435 Yapı Projesi [Construction Projects]  
MIMB 325 İklim Denetimi [Building Climatology]  
MIMB 226 Aydınlatma ve Akustik [Illumination and Acoustics]

## **12.GRADUATE STUDENT SUPERVISION**

### **12.1. Ph.D. Thesis**

- 12.1.1 Zekiye Şahin, Ph.D., An Attention Prediction Model for the Acoustic Assessment of Informal Learning Environments, 6/2020 – present (co-advisor).
- 12.1.2 Cemre Orhan, Ph.D., Reinterpreting Hospital Soundscapes Through Participatory Design Methods: A Case of A Pediatric Inpatient Unit, 6/2019 – 5/2025.
- 12.1.3 Enkela Alimadhi, An Approach to Exploring Biophilic Quality, Soundscape Quality and Psychological Restoration in Outpatient Oncology Polyclinics, 6/2018 – 4/2025.
- 12.1.4 Ela Fasililija, Ph.D., Developing Wideband Acoustic Absorbers Through Modelling, Measurements, and Applications in Architectural Settings, 6/2017 – 1/2024.
- 12.1.5 Donya Dalirnaghadeh, Ph.D., The effect of sound environment on spatial knowledge acquisition in a virtual outpatient polyclinic, 6/2016 – 6/2022.
- 12.1.6 Volkan Acun, Ph.D., An Approach Based on Sound Classification to Predict Soundscape Perception Through Machine Learning, 6/2015 – 7/2021.

### **12.2. MFA Thesis**

- 12.2.1. Cem Kaan Şen, MFA, A Comparative Study on the Performance of PLA and PET Acoustic Perforated Panels, 6/2023 – 9/2025.

- 12.2.2. Oya Yıldız, MFA, A Comparative Study on Soundscape Perceptions of Patients, Patients' Relatives, and Healthcare Staff in Bilkent University Health Center and Bilkent City Hospital Oncology Outpatient Polyclinic, 6/2023 – 9/2025.
- 12.2.3. Ceren Şahmaran, MFA, Exploring Audio-visual Perceptions of Students with Attention Deficit and Hyperactivity Disorder (ADHD) in Informal Learning Environment, 6/2022 – 9/2025.
- 12.2.4. F. Somalia Syed, MFA, Grounded Theory Approach on Audio-visual Perception of Users in the Restaurant Environment, 6/2019 – 6/2024.
- 12.2.5. E. Esin Bayramlı, MFA, The Effects of the Lighting Levels on Lighting Preference in Residence for Elderly People Using Non-İmmersive Virtual Environment, 6/2019 – 6/2023.
- 12.2.6. Zeynep Uğurlu, MFA, Audio-Visual Perception of Outpatients in an Oncology Polyclinic, 6/2019 – 6/2022.
- 12.2.7. Elif Mercan, MFA, Production of Aerogel-modified Expanded Perlite Aggregate and Clay (AEP/C) Board and Investigation on Physical and Mechanical Properties, 6/2018-9/2020.
- 12.2.8. Cemre Orhan, MFA, A Comparative Study on Indoor Soundscape in Museums Environment, 6/2018-9/2020.
- 12.2.9. Zekiye Şahin, MFA, "A Comparative Study on Soundscape in Real and Virtual Open Office Environments" 6/18-9/2020.
- 12.2.10. Büşra Gümüşay, Costumers' Emotional and Behavioral Response under Different Accent Lighting Conditions in a Real Retail Store, 6/2016 – 9/2018.
- 12.2.11. Büşra Kuş, MFA, A Comparative Study on Spatial Perception in Real and Virtual Perception Office Environments under Different Lighting Conditions, 6/2016 – 9/2018.
- 12.2.12. Esra Kürkcü MFA, Effects of Correlated Color Temperatures on Color Task Performance in Office Environment, 6/2015- 9/2017.
- 12.2.13. Pardis Taherzadeh, MFA, Effects of Color Correlated Color Temperature (CCT) of LED Task Lighting upon Reading Task Performance, 6/2015 – 2017.
- 12.2.14. Eray Erdemli, MFA, The Effect of Density on Impact Sound Insulation of the Expanded Polystyrene (EPS) Block Used As Filler One-way Hollow Core Slab in Dwellings, 6/2013-9/2016.
- 12.2.15. Sıla Çankaya, MFA, A Comparative Study on Soundscape in High School Environment, 6/2014-7/2016.
- 12.2.16. Özgün Sinal, MFA, A Comparative Study on Indoor Sound Quality of the Practice Rooms upon Classical Singing Trainees' Preference, 6/2013-9/2015.
- 12.2.17. Volkan Acun, MFA, Investigating the Effect of Indoor Soundscaping Towards Employees' Speech Privacy, 6/2013-8/2015.
- 12.2.18. Zeynep Bora, MFA, Understanding Soundscape in Public Spaces: A Case Study in Akköprü Metro Station, Ankara, 6/2010-1/2014.
- 12.2.19. Pelin Meriç Gezginer, MFA, The Effects of Speech Interference in Enclosed Leisure Spaces: A Case Study in Bilkent Roll-House, Ankara, 6/2009 – 7/2011.
- 12.2.20. Elif Öztürk, MFA, Effect of Color Scheme on the Assessment of Office Environment and Task Performance, 6/2008-9/2010.
- 12.2.21. Papatya Dökmeci, MFA, Acoustical Comfort Evaluation in Enclosed Public Spaces with a Central Atrium: A Case Study in Food Court of Cema Shopping Center, Ankara, 6/2007 – 9/2009.
- 12.2.22. Kıvanç Kitapçı, MFA, Effects of Speech Intelligibility on Computer-Based Work Performance in Open-plan Office, 6/2006 - 7/2008.
- 12.2.23. Zühre Sü, MFA, Acoustical Performance Analysis of Bilkent University Amphitheater. A Proposal for Renovation, 6/2002 - 7/2004.

### 13.PATENT

"Ventilated Double Leaf External Wall Briquette". Turkey. 29394, 30.11.1993. Co-owners: Mesut B. Özdeniz, Asiye Pehlevan, Yalçın Yaşar, Figen Kars.

### 14. SPONSORED RESEARCH PROJECTS

- 14.1 **Yilmazer, S.**,Sorguç AG., Yemişoğlu MK., (2024).Hastane İşitsel Peyzajında Kullanıcıların Algısını Tahmin Etmek İçin Bir Yapay Zeka (YZ) Modelini Entegre Eden Özgün Bir Yaklaşımın Geliştirilmesi [Development of a Novel Approach to Hospital Soundscapes Incorporating an Artificial Intelligence (AI) Model to Predict Users' Perception], (PI: Semiha Yilmazer) TÜBİTAK 1001\_MAG, October 2024\_September 2026, (Budget: 1.594.000,00 TL)
- 14.2 **Yilmazer, S.**, (2024). Geniş Bant Spektrumlu Akustik Panel Üretiminde Geri Dönüştürülemeyen Pet Atıklarının Değerlendirilmesi ve Tasarım Süreçlerinin Yazılım Tabanlı Tasarımla Etkinleştirilmesi, TÜBİTAK 1832 Sanayide Yeşil Dönüşüm Çağrısı, "154905" geçici kodlu projede FELTOUCH'a Akademik Danışmanlık, İP2 to İP4 (Budget: 2.000.000,00 TL),

- 14.3 Fasilija, E. and **Yilmazer, S.**, 2022. Designing wideband acoustic absorbers for architectural applications [Mimari uygulamalar için geniş bant akustik yutucuların tasarlanması], TÜBİTAK 1002A, April.
- 14.4 **Yilmazer, S.**, Yapılı Çevrede İşitsel Peysaj (SiBE), (2022). Tasarımı için Artırılmış Gerçeklik (AR) ile Uyumlu Olacak Tahmini bir Modele Temel Oluşturma [Grounding Predictive Model Adapted to Augmented Reality (AR) for Soundscape Design in Built Environment (SiBE)], TÜBİTAK 2219, September 2021-September.
- 14.5 **Yilmazer, S.**, and Baytekin, B., (2020). Perlit-Kil Tabanlı (Gpkl) Dış Cephe Isı Yalıtım Levhası Optimizasyonu", [Optimization of the expanded perlite clay based (Epcb) wall thermal insulation board], (PI: Semiha Yilmazer), TÜBİTAK 3001 Program, September.
- 14.6 **Yilmazer, S.**, (2016). Kolemanit Katkılı Kompakt Perlitli Yalıtım Plakalarının Isıl ve Mekanik Performanslarının Araştırılması [Investigation of Thermal and Mechanic Performance of Compact Thermal Insulation Boards Made of Expanded Perlite Combined with Colemanite], supported by CSY R&D Engineering Architecture Consulting Project, May.
- 14.7 **Yilmazer, S.**, (2015). Yapı Malzemesi Tasarım Aracı- Bimsli Briket Örneğinde, [A Measuring Tool for Designing Building Materials, A Case Study on Pumice Briquette], KOSGEB Ar-ge ve İnovasyon Destek Programı, January.
- 14.8 **Yilmazer, S.**, (2014). Çimento Ahşap Levha'da Ahşap Çalışmasının Emprenye Muamelesi ile İyileştirilmesi [Improving of Wood Particles Using Impaired Process in Cement Bonded Wood Composite], TEPE Betopan A.Ş., Kasım.
- 14.9 Özdeniz M.B., **Yilmazer, S.**, and Yilmazer, C., (1998). Perlitli Akustik Plakaların Nemli Ortamlardaki Davranışları", TÜBİTAK Projesi, INTAG-630, [Behaviour of Acoustical Plates Made of Expanded Perlite in Moist Environments, INTAG of Scientific and Technical Research Council of Turkey (TUBITAK) Project Number: 630], Trabzon, July 1998 (reprint: Karadeniz Technical University Research Fund. Project Number: 96.112.002.1., Trabzon, Turkey, November.
- 14.10 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., **Yilmazer, S.**, Yilmazer, C., Yilmaz, M., Kars, F., and Kan, Ü., (1994). Briketlerin Higrotermal Özelliklerinin Saptanması ve İyileştirilmesi, TÜBİTAK Projesi, INTAG-605, [Determining and Improving of Hygrothermal Properties of Briquettes. INTAG of Scientific and Technical Research Council of Turkey (TUBITAK) Project Number:605], Trabzon, Turkey, January.
- 14.11 Özdeniz M.B., Pehlevan, A., Yaşar, Y., **Yilmazer, S.**, and Yilmazer, C., (1994). Doğu Karadeniz Bölgesinde Dış Yapı Malzemeleri, Devlet Planlama Teşkilatı (DPT) Projesi, [Exterior Building Materials in Eastern Black-sea Region, Turkish Republic (TC)- State Planning Organization (DPT) Qualified Housing Research in Eastern Black-sea Region, Vol. 3, pp. 33-112, Karadeniz Technical University, Dept of Architecture, Trabzon, Turkey.
- 14.12 Özdeniz M.B. and **Yilmazer, S.**, (1991). Camyünü Ve Polistren Köpük Levhalarının Isı İletkenlik ve Buhar Difüzyon Direnç Katsayılarının Ölçülmesi, Ölçümler, İzocam firması için yapılmıştır. [Measurement of thermal conductivity and vapor permeability of Glasswool and Polystyrene Foam Sheets for Izocam Ltd], İstanbul, Turkey,
- 14.13 Özdeniz, M.B., and **Yilmazer, S.**, (1990). Perlitli Isı Yalıtım Elemanlarının Higrotermal Davranışları, KTÜ Araştırma Fonu, [Hygrothermal Behaviour of Thermal Insulations Materials Made of Expanded Perlite, Karadeniz Technical University Research Fund], Trabzon, Turkey,

## 15.SCHOLARLY PUBLICATIONS

### 15.1 **Ph.D. Dissertation**

Perlitli Akustik Plakaların Nemli Ortamlardaki Davranışları, [Behaviour of Acoustical Plates Made of Expanded Perlite in Moist Environment], June/1998. Prof. Dr. Mesut B. Özdeniz (Supervisor)

### 15.2 **Master Dissertation**

Perlitli Isı Yalıtım Elemanlarının Higro-termal Davranışları [Higro-thermal Behaviour of Thermal Insulation Boards Made of Expanded Perlite], June/1990. Prof. Dr. Mesut B. Özdeniz (Supervisor)

### 15.3 **Published Book**

Dökmeci, P.N., and **Yilmazer, S.**, Architectural and Acoustical Evaluations of CEPA Shopping Center, Lambert Academic Publishing, 2011.

#### 15.4 Articles in refereed journals listed by ISI Citation Indices (SCI, SSCI, A&HCI)

- 15.4.1 Alimadhi, E., **Yilmazer, S.** (2025) Evaluating Audio-Visual Perception and Psychological Restoration based on Biophilia Hypothesis Paradigm: A Multi-Domain Assessment in Oncology Waiting Areas, Building and Environment, (SCI)
- 15.4.2 Orhan, C., and **Yilmazer, S.** (2024) The Neonatal Intensive Care Unit (NICU) Context and The Perceived Soundscape: A Grounded Theory Approach, Health Environments Research and Design Journal, (SCI) doi: 10.1177/19375867241229652.
- 15.4.3 **Yilmazer, S.**, Aras., U., Kalaycioglu., H. and Temiz., A. (2023) Water Absorption, Thickness Swelling and Mechanical Properties of Cement Bonded Wood Composite Treated with Water Repellent, Maderas-Cienc Tecnol (SCI), Vol 25 (35), 1-15.
- 15.4.4 **Yilmazer, S.**, Fasllija, E., Alimadhi, E., Şahin, Z., Mercan, E., and Dalirnaghadeh, D. (2023) A Principal Component Model to Identify Turkish Soundscapes' Attributes Based on a Corpus-driven Approach, Applied Acoustics, (SCI), Volume 209, 109410
- 15.4.5 Mercan, E. and **Yilmazer, S.** (2022) Study of Physical and Mechanical Properties of Aerogel-modified Expanded Perlite Aggregate and Clay (AEP/C) Board, Construction and Building Material (SCI), Vol.361, 129602
- 15.4.6 Dalirnaghadeh, D. and **Yilmazer, S.** (2022) Effect of the Sound Environment on Spatial Knowledge Acquisition in Virtual Outpatient Polyclinic, Applied Ergonomics (SCI). Vol. 100.
- 15.4.7 Topak, C.S. and **Yilmazer, S.** (2022) A Comparative Study on Indoor Soundscape via a Mixed Method: A Case the High School Environment, Applied Acoustics, (SCI), Vol. 189.
- 15.4.8 Orhan, C. and **Yilmazer, S.** (2021) Harmony of Context and the Built Environment: Soundscapes in Museum Environments, Applied Acoustics, Vol. 173 (SCI).
- 15.4.9 Acun, V and **Yilmazer, S.** (2019) Combining Grounded Theory (GT) and Structural Equation Modelling (SEM) to Analyze Indoor Soundscape in Historical Places, Applied Acoustics, Vol. 155, pp. 515-524 (SCI).
- 15.4.10 Acun, V and **Yilmazer, S.** (2018) Understanding the Indoor Soundscape of Study Areas in Terms of Users' Satisfaction, Coping Method and Perceptual Dimensions, Noise Control Engineering Journal, Vol. 66, pp.66-75 (SCI).
- 15.4.11 Acun, V and **Yilmazer, S.** (2018) A Grounded Theory Approach to Investigate to Perceived Soundscape in Open-Plan Offices, Applied Acoustics, Vol. 131, pp. 28-37 (SCI).
- 15.4.12 Sinal, Ö. And **Yilmazer S.** (2018) Effects of Perceived Singing Effort on Classical Singers' Reverberation Time Preferences Towards Music Practice Rooms, Applied Acoustics, Vol. 136, pp.132-138 (SCI).
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- 15.7.85 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., Yilmazer, S., Yilmazer, C., Yılmaz, M., Kars, F., and Kan Ü., "Türkiye Briketlerinin Isıl ve Nemsel Davranışları", Enerji Tasarrufu Semineri Bildirileri", [Hygrothermal Behaviour of Briquette in Turkey, Proceedings of Energy Conservation Seminar, Ministry of Energy and Natural Resources / TUYAP], pp. 205-214, İstanbul, Turkey, January 1993.
- 15.7.86 Yilmazer, S., and Velioğlu, A., „Eski ve Yeni Yapılarda Konfor Düzeyinin Isı ve Aydınlatma Açılarında İrdelenmesi", Enerji Tasarrufu Semineri Bildirileri, [Comparing of Heat and Lighting Comfort Level in Old and New Buildings, Proceedings of Energy Conservation Seminar, Ministry of Energy and Natural Resources / TUYAP], pp.157-166, İstanbul, Turkey, January 1993.
- 15.7.87 Yilmazer, S., Özdeniz, M.B., "Perlitli Isı Yalıtım Elmanlarının Yoğuşma Denetimi", Enerji Tasarrufu Semineri Bildirileri, [Condensation Control of Heat Insulation Elements Made of Perlite, Proceedings of 8<sup>th</sup> Energy Conservation Seminar, Ministry of Energy and Natural Resources / TUYAP], pp. 45-55, İstanbul, Turkey, January 1990.
- 15.7.88 Yilmazer, S., and Ozdeniz, M. B., Hygrothermal Behaviour and Condensation Control of Building Elements Made of Perlite, Proceedings of International Symposium on Energy, Moisture, and Climate in Buildings, CIB, Volume 2, pp. I 23-128, Rotterdam, September 1990.

## 16 TOTAL NUMBER OF CITATIONS TO PUBLICATIONS INTO PUBLICATIONS 14 and 15

Citations by others: 946, h-index: 15

## **17 CURRENT RESEARCH INTEREST(S)**

- 17.1** Architectural Acoustics
- 17.2** Auditory Perception
- 17.3** Psychoacoustics
- 17.4** Sound Quality Metrics
- 17.5** Artificial Intelligence\_ ML, DL, NN
- 17.6** Augmented Reality
- 17.7** Signal Processing
- 17.8** Indoor Soundscape
- 17.9** Building Materials and Construction

## **18 GRANTS**

- 18.1** Research Project Grant, 2021-2022, TÜBİTAK 2219 Program
- 18.2** Research Grant (KAF), 2011-present, Bilkent University
- 18.3** Grant for International Congress, TÜBİTAK 2214 Program, 2010 Scientific and Technical Research Council of Turkey (TÜBİTAK)
- 18.4** Grant for Scientific Paper, 2005, TÜBİTAK
- 18.5** Faculty Research Development Grant, 2003-2004, Bilkent University
- 18.6** Faculty Research Development Grant, 2002-2003, Bilkent University
- 18.7** Research Fund, 1996-1998, Karadeniz Technical University
- 18.8** Research Project Grant, 1995-1998, TÜBİTAK
- 18.9** Research Project Grant, 1991-1994, TÜBİTAK
- 18.10** Research Project Grant, 1991-1994, State Planning Organization of Turkey (DPT)
- 18.11** Research Fund, 1988-1990, Karadeniz Technical University

## **19 EDUCATIONAL DEVELOPMENT ACTIVITIES**

- 19.1** Expert Certification Programme
  - 19.1.1 D1\_Akustik Uzmanı, TMMOB, Mimarlar Odası, 2018., Ankara.
  - 19.1.2 Enerji Kimlik Belgesi (EKB) Uzman Eğitimi [Energy Identification Certificate], TMMOB, Makina Mühendisliği Odası, 6-8 Nisan 2012, Ankara.
- 19.2** Research Projects' Events
  - 19.2.1 Fraunhofer German-Turkish Days Kick-off Conference, September 2014, İstanbul.
  - 19.2.2 Horizon 2020 National Launch Event-Turkey, Turkey and Europe: Stronger Together Through Research and Innovation, June 2014, İstanbul.
- 19.3** Research Projects' Info Days
  - 19.3.1 Organized by Bilkent University-Bilkent TTO-
    - 19.3.1.1 Bilkent TTO Info Session by Ebru Başak Aköz, November 2016, Ankara.
    - 19.3.1.2 European Cooperation in Science and Technology (COST) Info Day by Ayşe Sayın Üke-Tübitak, May 2015, Ankara.
    - 19.3.1.3 EU HORIZON 2020 Maria Curie Programme Info Day by Bilkent University and TÜBİTAK, May 2015, Ankara.
    - 19.3.1.4 2015 UK-Turkey Year of Science and Innovation Newton-Katip Çelebi Fund Info Day by Bilkent TTO, British Council, Tübitak, April 2015, Ankara.
    - 19.3.1.5 TÜBİTAK 1602 Patent Support Programme Info Day by Hamit Taş, TÜBİTAK, July 2014, Ankara.
    - 19.3.1.6 Patent Application Presentation by M. Kaan Dericioğlu, Ankara Patent Ofisi, April 2014, Ankara.
    - 19.3.1.7 EU H2020 NMP Focus Group Meeting by Tübitak and Bilkent TTO, March 2014, Ankara.
    - 19.3.1.8 Bilkent TTO Info Session by Kuzeyhan Özdemir and Ebru Başak Aköz, March 2014, Ankara.
    - 19.3.1.9 EU Horizon 2020 ERC Info Day by Aslı Vural ERC NCP, Tübitak and Prof. Dr. Cevdet Aykanat Bilkent University, Bilkent TTO, February 2014, Ankara.
    - 19.3.1.10 ERC Work Programme Info Day by Ebru Başak Aköz, Bilkent TTO, February 2013. Ankara.
  - 19.3.2 Organized by Bilkent CYBERPARK
    - 19.3.2.1 Patent Info Day organized by Cyberpark, Bilkent: Uğur G. Yalçiner, July 2014, Ankara.

- 19.3.2.2 EU H2020 Industrial Research Project Info Day organized by Cyberpark, Aycan Kaya (Tübitak- EUREKA National Coordination Office), November 2013, Ankara.
- 19.3.2.3 TÜBİTAK Teydep 1512 Bireysel Teknogirişim Desteği Bilgi Günü, Cyberpark, Emin Okutan, Eylül 2012, Ankara.
- 19.3.2.4 EU H2020: Shaping European's Future Info Day organized by Cyberpark, Pınar Çetin and Ebru Başak Aköz (Tübitak EU 7. Frame Programme National Coordination Office), September 2013, Ankara.
- 19.3.2.5 EU H2020 Legal and Financial Rules organized by Cyberpark, December 2013, Ankara.
- 19.3.2.6 TÜBİTAK Teydep Info Day organized by Cyberpark, Pınar Aker (Tübitak Scientific Programme Expert), June 2012, Ankara.

**19.4** Workshops organized by Bilkent University

- 19.4.1 September 2011 MOODLE Workshop by Can Kültür, Educational Technology Support (SETS)
- 19.4.2 January 2010 Workshop by Gordon Suddaby
- 19.4.3 June 2010 Workshop by Dr. Christopher Knapper, Prof. Emeritus at Queen's University, Kingston, Canada

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