

## 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, Hüsamettin Tuğaç Vakfı, Second Prize
- 4.5. Science Award of TÜBİTAK 1996, Hüsamettin 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 Faslija (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 Eğitimi Eğitmeni, 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-arge.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 Uzlaşma [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' ın 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 Faslilija, Ph.D., Developing Wideband Acoustic Absorbers Through Modelling, Measurements, and Applications in Architectural Settings, 6/2017 – 1/2024.
- 12.1.5 Donya Dalirmaghadeh, 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 Dökmeçi, 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 **Yılmaz, 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 Yılmaz) TÜBİTAK 1001\_MAG, October 2024\_September 2026, (Budget: 1.594.000,00 TL)
- 14.2 **Yılmaz, 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 Faslilija, 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 İşıtsel 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 Emrenye 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**

Dökmeçi, 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.**, Faslija, 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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- 15.7.2 Yilmazer, S., Sorguç, AG., and Krusa, MY. "An Initial Analysis of the Hospital Soundscape via the Language Model Based on the BERT (Bidirectional Encoder Representation from Transformers)", 54th Inter-noise Congress, Sao Paulo, Brazil, 24 – 27 August 2025.
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- 15.7.86 Yilmazer, S., and Velioglu, A., "Eski ve Yeni Yapılarda Konfor Düzeyinin Isı ve Aydınlatma Açılımlarından 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, Pinar 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, Pinar 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

October 2025