

CURRICULUM VITAE



Asst. Professor Semiha YILMAZER

1. PERSONAL DATA

Date and Place of Birth : May 12, 1967, İskenderun – Turkey
Address : Bilkent University, Faculty of Fine Arts, Design and Architecture, Department of Interior Architecture and Environmental Design Bilkent, 06800 Ankara – Turkey
Phone : Bilkent University: 90-312-290 2592,
Company:CSY R&D: 90-312-265 0010
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2. ACADEMIC DEGREES

Visiting Prof.	Purdue University	2022
Assoc.Prof.	Architecture (Technology)- High Education Counsel (YÖK)	2010
Asst.Prof.	Bilkent University	2006
Ph.D.	Karadeniz Technical University	1998
M.Sc.	Karadeniz Technical University	1990
B.S.	Karadeniz Technical University	1987

3. EMPLOYMENT HISTORY

12 2011 - Present Company Founder
CSY Ar-Ge ve Mühendislik Mimarlık Danışmanlık-Semiha Yılmazzer

02 2006 - Present Assistant Professor
Bilkent University, Department of Interior Architecture and Environmental Design (IAED), Ankara, Turkey

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

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

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

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

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

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, Hüsametlin Tuğaç Vakfı, Second Prize
- 4.5.Science Award of TÜBİTAK 1996, Hüsametlin 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 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 "3rd year Interior Design Collaborative Studio", Bilkent University (BU), Turkey and Appalachian State University (ASU), USA-2016
- 5.24. Chairman of the 36th 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-

7. PROFESSIONAL ACTIVITIES

7.1. Founder and Manager of CSY Ar-ge ve Mühendislik Mimarlık Danışmanlık- Semiha Yilmazer, [CSY R&D Engineering Architecture Consulting]-(2011-present) This company is conducting R&D projects which are given below (see 13).

Address : Cyberpark, B Blok, No 227, Bilkent, Ankara, Turkey

Web : <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 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, 2019 Spring 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:

Bilkent University ESBE IAED Program(2024-Present)
IAED 574 Science, Art, and Technology

11.2. Undergraduate Courses:

11.2.1. Appalachian State University, North Carolina, USA (2019 Spring)
3001 Interior Design Studio-I
3003 Interior Design Studio-III

11.2.2. Bilkent University, Ankara, Turkey (2000-Present)

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

11.2.3. 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.

12.1.2 Cemre Orhan, Ph.D., A Participatory Design Approach to Create Better Soundscapes, 6/2019 – present.

12.1.3 Enkela Alimadhi, Ph.D., Exploring Nature-Based Sound Sources in Indoor Healthcare Environments based on Soundscape Approach and their effect on psycho-physiological restoration, 6/2018 – present.

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 Dalirneghadeh, 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. Diğdem Karayel, MFA, Developing Acoustic Metamaterial Made of Clay-Based Expanded Perlite Board, 6/2024 – present

12.2.2. Cem Kaan Şen, MFA, A Comparative Study on Broadband Sound Absorbent Made of PET-Rcyled, 6/2023 – present.

12.2.3. Oya Yıldız, MFA, A qualitative approach to investigate the biophilic phenomena on the outpatient user in the oncology polyclinic, 6/2023 – present.

12.2.4. Ceren Şahmaran, MFA, The Effect of Audio-visual Stimuli on Task Performance with Attention Deficit and Hyperactivity Disorder (ADHD), 6/2022 – present.

12.2.5. F. Somalia Syed, MFA, Grounded Theory Approach on Audio-visual Perception of Users in the Restaurant Environment, 6/2019 – 6/2024.

12.2.6. 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.

- 12.2.7. Zeynep Uğurlu, MFA, Audio-Visual Perception of Outpatients in an Oncology Polyclinic, 6/2019 – 6/2022.
- 12.2.8. 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.
- 12.2.9. Cemre Orhan, MFA, A Comparative Study on Indoor Soundscape in Museums Environment, 6/2018-9/2020.
- 12.2.10. Zekiye Şahin, MFA, "A Comparative Study on Soundscape in Real and Virtual Open Office Environments" 6/18-9/2020.
- 12.2.11. Büşra Gümüşay, Costumers' Emotional and Behavioral Response under Different Accent Lighting Conditions in a Real Retail Store, 6/2016 – 9/2018.
- 12.2.12. Büşra Kuş, MFA, A Comparative Study on Spatial Perception in Real and Virtual Perception Office Environments under Different Lighting Conditions, 6/2016 – 9/2018.
- 12.2.13. Esra Kürkcü MFA, Effects of Correlated Color Temperatures on Color Task Performance in Office Environment, 6/2015- 9/2017.
- 12.2.14. Pardis Taherzadeh, MFA, Effects of Color Correlated Color Temperature (CCT) of LED Task Lighting upon Reading Task Performance, 6/2015 – 2017.
- 12.2.15. 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.
- 12.2.16. Sila Çankaya, MFA, A Comparative Study on Soundscape in High School Environment, 6/2014-7/2016.
- 12.2.17. Özgün Sinal, MFA, A Comparative Study on Indoor Sound Quality of the Practice Rooms upon Classical Singing Trainees' Preference, 6/2013-9/2015.
- 12.2.18. Volkan Acun, MFA, Investigating the Effect of Indoor Soundscaping Towards Employees' Speech Privacy, 6/2013-8/2015.
- 12.2.19. Zeynep Bora, MFA, Understanding Soundscape in Public Spaces: A Case Study in Akköprü Metro Station, Ankara, 6/2010-1/2014.
- 12.2.20. 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.
- 12.2.21. Elif Öztürk, MFA, Effect of Color Scheme on the Assessment of Office Environment and Task Performance, 6/2008-9/2010.
- 12.2.22. 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.
- 12.2.23. Kıvanç Kitapçı, MFA, Effects of Speech Intelligibility on Computer-Based Work Performance in Open-plan Office, 6/2006 - 7/2008.
- 12.2.24. 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_July 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 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 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 Empenye 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., Yılmaz, 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 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.
- 15.4.2 **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.
- 15.4.3 **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

- 15.4.4 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
- 15.4.5 Dalirneghadeh, D. and **Yilmazer, S.** (2022) Effect of the Sound Environment on Spatial Knowledge Acquisition in Virtual Outpatient Polyclinic, Applied Ergonomics (SCI). Vol. 100.
- 15.4.6 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.
- 15.4.7 Orhan, C. and **Yilmazer, S.** (2021) Harmony of Context and the Built Environment: Soundscapes in Museum Environments, Applied Acoustics, Vol. 173 (SCI).
- 15.4.8 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).
- 15.4.9 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).
- 15.4.10 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).
- 15.4.11 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).
- 15.4.12 **Yilmazer, S.** and Acun, V. (2018) A Grounded Theory Approach to Assess Indoor Soundscape in Historic Religious Spaces of Anatolian Culture: A Case Study on Hacı Bayram Mosque, Building Acoustics, Vol. 25, pp. 137-150 (ESCI).
- 15.4.13 **Yilmazer, S.** and Bora, Z, (2017) Understanding the Indoor Soundscape in Public Transport Spaces: A Case Study in Akköprü Metro Station, Ankara, Building Acoustics, Vol 24(4), pp. 325-339 (ESCI).
- 15.4.14 Dökmeci, P.N., and **Yilmazer, S.** (2012) Relationships Between Measured Levels and Subjective Ratings: A Case Study of the Food-Court Area in Cema Shopping Center, Ankara, Building Acoustics, Vol. 19 (1), pp. 57-73 (ESCI).
- 15.4.15 Öztürk, E., **Yilmazer, S.** and Ural, SE. (2012) The Effects of Achromatic and Chromatic Color Schemes on the Performance and Appraisal in on the Office Environment, Color Research and Applications, Vol. 37(5), pp.359-366 (SCI).
- 15.4.16 Ural, S. and **Yilmazer, S.** (2010) Architectural Colour Design Process: An Evaluation on Sequential Media via Semantic Ratings, Color Research and Application, Vol.35 (3), pp. 343-351 (SCI).
- 15.4.17 **Yilmazer, S.**, and Özdeniz M. B. (2005) The Effect of Moisture Content on Sound Absorption of Expanded Perlite Plates, Building and Environment, vol. 40 (3), 2005, pp. 311-318 (SCI).

15.5 Articles in refereed journals NOT listed by ISI Citation Indices (that is, not listed by SCI, SSCI, or A&HCI)

- 15.5.1 Tanrıöver, S., Düzgüneş, A., and **Yilmazer, S.** (2008) A Critical Analysis on Sunlight Patches in Patient Room via Simulation, Architectural Science Review, vol. 51.3, pp. 21-30 (AI).
- 15.5.2 Su, Z., and **Yilmazer, S.** (2008) The Acoustical Characteristic of Kocatepe Mosque, Ankara, Architectural Science Review, vol. 51.1, pp. 21-30 (AI).
- 15.5.3 **Yilmazer, S.** and Su, Z. (2007) A Touching Past and A Desperate Future: History and Acoustics of Kocatepe Mosque, Arkitekt, 2007/3, pp. 12-18 (AI).
- 15.5.4 Su, Z., **Yilmazer, S.** (2006) The Acoustical Performance Analysis of Bilkent Amphitheater. A Proposal for Renovation, Architectural Science Review, Vol.49.2, pp. 167-178 (AI).

15.6 Articles in non-refereed journals

- 15.6.1 **Yilmazer, S.** and Ural SE. (2011) Sürdürülebilirlikte Kullanıcı Memnuniyeti [User Satisfaction in Sustainability] (Invited paper), Ekoyapı, Sayı 6, pp. 74- 76.
- 15.6.2 **Yilmazer, S.**, and Yener, C. (2001) Aydınlatma Eğitimi [Lighting Education] (Invited paper), Ege Mimarlık, 39, pp. 28-29.
- 15.6.3 **Yilmazer, S.** (1998) Yapı Kabuğu ile Gürültü Denetimi (Invited paper), TMMOB Makina Mühendisleri Odası Yayını- Gürültü Kirliliği [Noise Control with Building Façade, Proceeding of the Chamber of Mechanical Engineering, Noise Pollution], pp. 13-16.

15.7 Refereed proceedings

- 15.7.1 Yilmazer, S., Keseci, Tuba., and Fasllija, E. "Objective and subjective assessment of PET felt recycled panels as acoustic treatment in the meeting rooms", 53rd Inter-noise Congress, Nantes, France, 25 – 29 August 2024.
- 15.7.2 Öztürk, ŞZ., and Yilmazer, S. "A causal model for acoustic assessment of informal learning environments", 53rd Inter-noise Congress, Nantes, France, 25 – 29 August 2024.
- 15.7.3 Alimadhi, E., and Yilmazer, S. "An investigation of soundscape perception in oncology polyclinics' waiting area based on biophilia hypothesis paradigm: A field and laboratory study ", 53rd Inter-noise Congress, Nantes, France, 25 – 29 August 2024.
- 15.7.4 Yilmazer, S. and Şahin, Z., "A nonlinear model for predicting soundscape perception of study areas ", Acoustic Society of America (ASA), 186th Meeting, Ottawa, Canada, 13-17 May 2024.
- 15.7.5 Alimadhi, E., and Yilmazer, S. "A Soundscape Perspective for Biophilia Hypothesis: Theoretical Considerations and Conceptual Approach," Acoustic Society of America (ASA), 186th Meeting, Ottawa, Canada, 13-17 May 2024.
- 15.7.6 Fasllija, E. and Yilmazer, S., "The measurement of the absorption coefficient of inhomogeneous micro-perforated panels in a small-scale reverberation room," FORUM Acusticum 2023, 11-15 September, Politecnico di Torino, Italy.
- 15.7.7 Yilmazer, S., Fasllija, E., Alimadhi, E., Şahin Z., Mercan, E., Dalirneghadeh, D., "Agglomerative hierarchical cluster analysis to validate Turkish Perceptual Attributes grounded on corpus-driven data, 52nd Inter-noise Congress, Tokyo, Japan, 20-23 August 2023.
- 15.7.8 Yilmazer, S. and Syed, S., "Grounded Theory approach on the audio-visual perception of users in the restaurant environment," 52nd Inter-noise Congress, Tokyo, Japan, 20-23 August 2023.
- 15.7.9 Orhan, C., and Yilmazer, S., "Exploring the pediatric intensive care unit soundscape from health professional's perspective," 52nd Inter-noise Congress, Tokyo, Japan, 20-23 August 2023.
- 15.7.10 Yilmazer, S., Dalirneghadeh, D., Fasllija, E., Alimadhi, E., Şahin Z., Mercan, E., "A corpus-based approach to defining Turkish soundscape attributes," Acoustic Society of America (ASA), 184th Meeting, Chicago, Illinois, USA, 8-12 May 2023.
- 15.7.11 Yilmazer, S. and Alimadhi, E., "A preliminary field experiment to predict soundscape perception based on Biophilia Hypothesis Paradigm," Acoustic Society of America (ASA), 184th Meeting, Chicago, Illinois, USA, 8-12 May 2023.
- 15.7.12 Acun, V. And Yilmazer, S., "Using audio content and emotional response to predict soundscape perception through machine learning," Acoustic Society of America (ASA), 184th Meeting, Chicago, Illinois, USA, 8-12 May 2023.
- 15.7.13 Yilmazer, S, Davies, P., Yilmazer, C, "A virtual reality tool to aid in soundscapes in the built environment (SiBE) through machine learning," 51st Inter-noise Congress, Glasgow, Scotland, 21-24 August 2022.
- 15.7.14 Yilmazer, S., Acun V., Dalirneghadeh, D., Fasllija, E., Şahin Z., Mercan, E., "Principal dimensions of perceptual attributes in indoor public spaces," 51st Inter-noise Congress, Glasgow, Scotland, 21-24 August 2022.
- 15.7.15 Yilmazer, S. and Uğurlu, Z., "A Qualitative Approach to Explore Audio-Visual Interaction in a Hospital Environment ", 51st Inter-noise Congress, Glasgow, Scotland, 21-24 August 2022.
- 15.7.16 Dalirneghadeh, D., Yilmazer, S., "The effect of loudness on spatial knowledge acquisition in the virtual outpatient polyclinic ", 51st Inter-noise Congress, Glasgow, Scotland, 21-24 August 2022.
- 15.7.17 Fasllija, E., Yilmazer, S., and Yilmazer, C., "Sound absorption of a double layer microperforated panel with inhomogeneous perforations having cavities of different depths 51st Inter-noise Congress, Glasgow, Scotland, 21-24 August 2022.
- 15.7.18 Yilmazer, S, Davies, P., Yilmazer, C, "On the development of virtual reality tools to aid in the design of interior soundscapes, Acoustic Society of America (ASA), 182nd Meeting, Denver, Colorado, USA, 22-27 May 2022.
- 15.7.19 Yilmazer, S., Acun V., Dalirneghadeh, D., Fasllija, E., Şahin Z., Mercan, E., "Categorizing Auditory Objects of Perceived Sounds in the Built Environment, Acoustic Society of America (ASA), 182nd Meeting, Denver, Colorado, USA, 22-27 May 2022.
- 15.7.20 Yilmazer, S. and Uğurlu, Z., "A Qualitative Approach to Explore Auditory and Visual Perception in a Hospital Environment, Acoustic Society of America (ASA), 182nd Meeting, Denver, Colorado, USA, 22-27 May 2022.

- 15.7.21 Fasllija, E., Yilmazer, S., and Yilmazer, C., "Modelling parallel arranged transparent Micro-Perforated Panels to enhance low-mid frequency sound absorption", Acoustic Society of America (ASA), 182nd Meeting, Denver, Colorado, USA, 22-27 May 2022.
- 15.7.22 Fasllija, E., and Yilmazer, S., "Feasibility of inhomogeneous MPPs in multipurpose halls: The case study of Bilkent Concert Hall in Ankara, Euroregio / BNAM2022 Joint Acoustic Conference, Aalborg, Denmark, 9-11 May 2022.
- 15.7.23 Fasllija, E., and Yilmazer, S. and Yilmazer, C. "A Theoretical Approach on Designing Wideband Acoustic Absorbers," EURONOISE 2021, Madeira, Portugal, 25-27 October 2021.
- 15.7.24 Erdoğan, H.İ. And Yilmazer, S. "Understanding the Effects of Geometric Forms on Indoor Soundscape Assessment: A Case Study on CSO Concert Halls in Ankara," Turkey, 50th Inter-noise Congress, Washington, DC, USA, 1-5 August 2021.
- 15.7.25 Orhan, C. and Yilmazer, S. "Understanding the Effects of Restorative Potential of Turkish Music Tonalties in Indoor Spaces through a Propose Conceptual Model," 50th Inter-noise Congress, Washington, DC, USA, 1-5 August 2021.
- 15.7.26 Ugurlu, Z. and Yilmazer, S. "Exploring the Audio-Visual Interaction in a Dental Clinic Through the Emotional State", 50th INTER-NOISE, Washington, DC, USA, 1-5 August 2021.
- 15.7.27 Yilmazer, S. and Şahin, S. "A comparative study on soundscapes in real (RE) and virtual (VE) open office environments", 49th Inter-noise Congress, Seoul, South Korea, 23-26 August 2020.
- 15.7.28 Yilmazer, S and D. Dalir-naghadeh, "The effect of soundscape on memory performance in a wayfinding task in a virtual outpatient polyclinic", 49th Inter-noise Congress, Seoul, South Korea, 23-26 August 2020.
- 15.7.29 Yilmazer, S. and Orhan, C., "Auditory Environment in the Museums: The Case Study of Erimtan Archaeology and Arts Museum" 48th Inter-noise Congress, Madrid, Spain, 16-19 June 2019.
- 15.7.30 Yilmazer, S., Acun, V., and Yilmazer, C., "A Comparative Study on Prediction of the Indoor Soundscape in Museums via Machine Learning" 48th Inter-noise Congress, Madrid, Spain, 16-19 June 2019.
- 15.7.31 Yilmazer, S. "The Chemical Synthesis and Process Optimization of Porous Thermal Insulation Board Made of Clay Based Expanded Perlite (EPcB)", 4th International Porous Powder Materials Symposium and Exhibition (PPM), İzmir Institute of Technology, Marmaris, Turkey, 9-11 October 2019.
- 15.7.32 Mercer-Ballard, J. and Yilmazer, S., "How Technology Enables a Global Cross-cultural Design Studio", T4T Campus Fair, Appalachian State University, North Carolina, USA, 20 March 2019.
- 15.7.33 Acun, V., Yilmazer, S. and Orhan, C. "Indoor Soundscape of Historical Spaces: The Case of Çengelhan Caravanserai", EURONOISE 2018, 11th European Congress and Exposition on Noise Control Engineering, Hersonissos, Crete, Greece, 27-31 May 2018.
- 15.7.34 Kürkçü, E., Yilmazer, S. and Ural, SE. "The Effects of Color Temperature on Performance of Users: A Color Differentiation Model", Munsell 2018, ISCCI/AIC Munsell Centennial Symposium, Boston, MA, USA, 11-15 June 2018.
- 15.7.35 Yilmazer, S. and Acun, V. "A Qualitative Approach to Investigate Indoor Soundscape of the Built Environment, 47th Inter-noise Congress, Chicago, Illinois, USA, 26-29 August 2018.
- 15.7.36 Yilmazer, S., Kürkçü, E. and Ural, SE. "Investigating Color Task Performance for Occupants' Comfort in Office Environment", AIC 2018, Lisboa, Portugal, 25-26 September 2018.
- 15.7.37 Yilmazer, S. and Gümüşay, B. "A Comparative Study on Consumers' Comfort and Behavior in Real Furniture Store", AIC 2018, Lisboa, Portugal, 25-26 September 2018.
- 15.7.38 Yilmazer, S., and Acun, V. "A structural equation modeling approach for indoor soundscape: Adaptive re-use in Cengelhan Caravanserai", Prag, 2018. Acun, V. and Yilmazer, S., "An Indoor Soundscape Survey on the User's Coping Methods for Noise Annoyance, Disturbance and Loos of Concentration in Public Study Areas, AESOP Annual Congress 2017- Spaces of Dialogue for Places of Dignity: Fostering the European Dimension of Planning, Lisbon, Portugal, 11-14 July 2017.
- 15.7.39 Yilmazer, S. and Acun, V. "Çalışma Alanlarında İç Mekan İşitsel Peysajı Üzerine Bir Çalışma (An Indoor Soundscape Survey on Public Study Areas), 12. Ulusal Akustik Kongresi ve Sergisi, İzmir Yüksek Teknoloji Enstitüsü, Urla, İzmir, 14-15 Eylül 2017.
- 15.7.40 Yilmazer, S. and Acun, V. "Identification of Individuals' Emotional Response to the Indoor Soundscape in Public Study Areas via Semantic Differentiation," in the Proceedings of 46th Inter-Noise Congress, Hong Kong, 27-30 August 2017.
- 15.7.41 Yilmazer, S. and Baytekin, B. "The Mixture Ratio Optimization of Expanded Perlite-Clay Based (EPcB) Board for Thermal Resistance Performance", International Porous Powder Materials

- Symposium and Exhibition (PPM), İzmir Institute of Technology, Kuşadası, İzmir, Turkey, 12-15 September 2017.
- 15.7.42 Çankaya, S. and Yilmazer, S. "A Comparative Study on Soundscape in High School Environment", in the Proceedings of 45th Inter-Noise Congress, Hamburg, Germany 21-24 August 2016.
- 15.7.43 Acun, V., Yilmazer, S., and Taherzadeh, P., "Perceived Auditory Environment in Historic Religious Spaces of Anatolian Culture; A Case Study on Hacı Bayram Mosque, Ankara, Turkey", in the Proceedings of 23rd International Congress on Sound and Vibration (ICSV23), Athens, Greece, 10-14 July 2016.
- 15.7.44 Acun, V. and Yilmazer, S. "Investigating the Effect of Indoor Soundscaping Towards Employees' Perception in Open Offices" in the Proceedings of ASA 2015, 2-4 December 2015, Melbourne, Australia.
- 15.7.45 Acun, V. and Yilmazer, S. "Investigating the Effect of Indoor Soundscaping Towards Employees' Speech Privacy" Euronoise 2015, 31 May-3 June 2015, Maastricht, Netherland.
- 15.7.46 Sinal, Ö. and Yilmazer, S. "A Comparative Study on Indoor Sound Quality of the Practice Rooms upon Classical Singing Trainees' Preference" EURONOISE 2015, 31 May-3 June 2015, Maastricht, Netherland.
- 15.7.47 Bora, Zeynep and Yilmazer, S. "Comparison Study of the Soundscape of Open-Semi Open-Enclosed Spaces- Akköprü Metro Station", 10. Ulusal Akustik Kongresi, Türk Akustik Derneği, İstanbul, Nisan 2013.
- 15.7.48 Öztürk, E. and Yilmazer, S. "Kromatik-Akromatik ve Sıcak-Soğuk Renk Şeması Karşılaştırmalı Bir Çalışma," [A comparison study on chromatic-achromatic and warm-cold color scheme, 9th National Lighting Congress], 167-174, İstanbul, Turkey, 19-20 April 2013.
- 15.7.49 Gezginer, P.M and Yilmazer, S. "Çoklu Boş Zaman Etkinliği Yapılan Mekanlarda Konuşmanın Anlaşılabilirliğinin Karşılaştırmalı İrdelenmesi, 9. Ulusal Akustik Kongresi, [A Comparative Analyzing of the Speech Intelligibility in Leisure Spaces", 9th National Acoustic Congress], 352-358, 26-27 May Ankara, Turkey, 2011.
- 15.7.50 Yilmazer, S. and Ural, SE., "Farklı Aydınlatma Koşullarında Renk Yeğinliğinin İç Mekanda Ferahlık Algısı Üzerine Etkisi, 8. Aydınlatma Kongresi, [The Effects of the Chroma on the Perception of the Spaciousness Under Different Lighting Condition", 8th National Lighting Congress], 123-127, İstanbul, Turkey, 14-17 April 2011.
- 15.7.51 Ural, SE., Yilmazer, S., and Akbay, S., "A Comparative Study on Color Decision Techniques: Abstract versus Full Scale Set-up", AIC Conference- Interaction of Colour and Light in the Arts and Sciences, Cd, Zurich, Switzerland 7-10 June 2011.
- 15.7.52 Ozturk, E. and Yilmazer, S. "An Experimental Study on Task Performance in Workplace Applied with Achromatic and Chromatic Color Scheme", International Conference- Colour and Light in Architecture, Venice, Italy, 11-12 November 2010.
- 15.7.53 Yilmazer, S. and P.M. Gezginer, "An Experimental Study on Speech Interference in Public Leisure Spaces" in the proceedings of the 39th Internoise Congress, in07_176, Lisbon, Portugal, 13-16 June 2010.
- 15.7.54 Yilmazer, S., S. Ural and E. Öztürk., "Ofis Ortamında Verimli Aydınlatmanın ve Yüzey Renk Kombinasyonlarının Kullanıcı Farkındalığı ve Memnuniyeti Açısından Değerlendirilmesi", Yapı Fiziği ve Sürdürülebilir Tasarım Kongresi, [Evaluation of the Awareness and Satisfaction of the Users' for Combinations of the Colored Surface and Lighting Efficiency in Office Environment , Building Physics and Sustainable Design Congress], 425-430, İstanbul, Turkey, 4-5 March 2010.
- 15.7.55 Yilmazer, S. and P. Gezginer, "Boş Zaman Etkinlikleri Yapılan Kamusal Mekan Kullanımına Bağlı Gürültü Algısı: Bilkent Roll-house Örneğinde", Yapı Fiziği ve Sürdürülebilir Tasarım Kongresi, [Noise Perception of the Users' Related to the Function of the Enclosed Public Leisure Space" Building Physics and Sustainable Design Congress], İstanbul, Turkey, s. 451-454, 4-5 March 2010.
- 15.7.56 Yilmazer, S., and SE. Ural, "A Discussion Yilmazer on Spatial Color Design with the Emphasis of Technical Specifications: Energy Efficiency and Visual Quality", in the proceedings of the Lux Europe 2009 – International Congress, 59-66, Istanbul, Turkey, 9-11 September 2009.
- 15.7.57 Dökmeci, P.N., Yilmazer, S., Çalışkan, M., Erkip, F., "Acoustical comfort evaluation in public spaces with a central atrium," 37th Inter-noise Congress Proceedings: in08_0572, pp. 64, Beijing, China, August 2008.
- 15.7.58 Dökmeci, P., Yilmazer, S., Caliskan, M. and Erkip, F. Galeri Boşluklu (Atrium) Binaların Toplu Kullanım Mekanlarında Akustik Konfor Değerlendirilmesi: Cema Alışveriş Merkezi-Ankara Örneği, (invited paper), 8. Ulusal Akustik Kongresi, Türk Akustik Derneği, [Acoustical Comfort Evaluation in Public Spaces with a Central Atrium- A case Study in Cema Shopping Mall, 8th National Acoustic Congress, Turkish Acoustic Society] Antalya, 27-28 November 2008.

- 15.7.59 Dökmeçi, P. and, Yilmazer, S., "Environmental Noise Management Guidelines for a Better City" in the proceedings of the Livenarch IV – International Congress, 901-907, Trabzon, Turkey, 9-11 July 2009.
- 15.7.60 Yilmazer, S., and Ural, S.E., "A Discussion on Spatial Color Design with the Emphasis of Technical Specifications: Energy Efficiency and Visual Quality", in the proceedings of the Lux Europe 2009 – International Congress, 59-66, Istanbul, Turkey, 9-11 September 2009.
- 15.7.61 Yilmazer, S., Ural, S., and Küçük, A., "İç Mimarlıkta Bir Eğitim Modeli Çalışması, İç Mimarlık Eğitimi, 1. Ulusal Kongre, [An Education Design Model Study for Interior Architecture, Interior Design Education, 1st National Congress], İstanbul Technical University, 32-39, İstanbul, Turkey, 25 – 26 October 2007.
- 15.7.62 Kitapçı, K., Yilmazer, S., and Erkip, F., "Effect of Speech Intelligibility on Visual Short-term Memory Performance", Inter-noise 2007, Turkish Acoustical Society, 28-31 August, Istanbul, Turkey. <http://www.internoise2007.org> (retrieved 21 February 2008).
- 15.7.63 Yilmazer, S., "A Comparison Study on Sound Defects of Bilkent Amphitheatre in Terms of Intelligibility of the Speech", Inter-noise 2007, Turkish Acoustical Society, 28-31 August, Istanbul, Turkey. <http://www.internoise2007.org> (retrieved 21 February 2008).
- 15.7.64 Carkacı, N. And Yilmazer, S., "Forming the Enclosure or Mass", Livenarch III, 3rd International Congress, Karadeniz Technical University, pp. 763-767, Trabzon, Turkey, 5-7 July 2007.
- 15.7.65 Ural, S.E., Olguntürk, N., and Yilmazer, S., "2 Boyutlu Renk Grafikleri, 3 Boyutlu Mekansal Renk ve Aydınlatma Alternatifleri Üzerinden Niteliksel ve Niceliksel Değerlendirmeler", 6. Ulusal Aydınlatma Kongresi, [Qualitative and Quantitative Evaluation on the 2D and 3D Color Organizations and Lighting Combinations", 6th National Lighting Congress], 32-39, İstanbul, Turkey, 23-24 November 2006.
- 15.7.66 Kural, N., Özaloğlu, S., Ural, S., Tanrıöver, S. and Yilmazer, S., "Mediterranean: Space- 5 Senses- Memory.", International Gazimagusa Symposium 2004, Eastern Mediterranean University, pp. 334- 340, Gazimagusa, North Cyprus, April 2004.
- 15.7.67 Yilmazer, S., and Yilmazer, C., "Sound Absorption Coefficient Changes of Acoustical Plates Made of Expanded Perlite in Moist Environment", Acoustics 2003, Wessex Institute of Technology, UK, pp. 201-210, Cadiz, Spain, June 2003.
- 15.7.68 Yilmazer, S and Yener, C., "Aydınlatma Eğitimi Üzerine", 3. Ulusal Aydınlatma Kongresi, Ulusal Aydınlatma Derneği, [On Lighting Education, 3rd International Lighting Congress, Turkish National Committee on Illumination], pp. 168-171, İstanbul, Turkey, October 2000.
- 15.7.69 Ozen, H., Kuloğlu, N., and Yilmazer, S., "Universality of Architectural Education, X. International Building & Life'98 Congress, , Chamber of Architects, Bursa Section, Congress Booklet, pp. 51-57, Bursa, Turkey, 22-23 May 1998.
- 15.7.70 Ozen, H., Kuloğlu, N., and Yilmazer, S., "A New Way of Architecture Education as the Need of the Next Millennium, Forum II : Architectural Education for the 3rd Millenium, Eastern Mediterranean University & Istanbul Technical University, pp. 561-567, North Cyprus, April 1998.
- 15.7.71 Abdülrahimov, R., and Yilmazer, S., "Mimarlıkta Akustik Eğitimi", 3. Ulusal Akustik Kongresi", [Education of Architectural Acoustics Design, 3rd International Acoustic Congress], pp. 22-28, İstanbul, Turkey, October 1997.
- 15.7.72 Türkmen, Ç., Yilmazer, S., and Özdeniz M. B., "Trabzon Havaalanı Gürültüsünün Yerleşimler Üzerindeki Etkisi", 3. Ulusal Akustik Kongresi, [Effects of Trabzon's Airport Noise on Neighboring Settlements, 3rd International Acoustic Congress], pp. 193-199, İstanbul, Turkey, October 1997.
- 15.7.73 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., Yilmazer, S., and Kars, F., "Yeni Briket, [A New Briquette], Yalıtım' 97, Fırat University, pp. 57-66, Elazığ, Turkey, May 1997.
- 15.7.74 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., Yilmazer, S., and Kars, F., "Yeni Briket", [A New Briquette], IX. Mühendislik Sempozyumu, 13-19, İsparta, Turkey, 1996.
- 15.7.75 Yilmazer S., and Yilmazer, C., "Ses Yutma Katsayısı Ölçümü İçin Bilgisayar Kontrollü Çift Mikrofonlu Akustik Empedans Tüpü", 2. Ulusal Akustik Kongresi "[Two-Microphone Impedance Tube Controlled Computer for Measuring Sound Absorption Coefficient, 2nd International Acoustic Congress], pp. 22-27, Antalya, Turkey, October 1996.
- 15.7.76 Yilmazer, S., "Behaviour of Acoustical Plates Made of Expanded Perlite in Moist Environments, Inter.Noise 96, 25th Anniversary Congress, Institute of Acoustics, Book 2, pp. 939 – 942, Liverpool, UK, August 1996.
- 15.7.77 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., Yilmazer, S., Yilmazer, C., Yılmaz, M., Kars, F., and Kan, Ü., "Hygrothermal Behaviour of a New Briquette Design, IV. International Building & Life'93 Congress, Chamber of Architects, Bursa Section, pp. 173-187, Bursa, Turkey, May 1993.

- 15.7.78 Özdeniz, M.B., Pehlevan, A., Yaşar, Y., Yilmazer, S., Yilmazer, C., Yılmaz, M., Kars, F., and Kan Ü., "Türkiye Briquetlerinin 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.
- 15.7.79 Yilmazer, S., and Veliöğlü, 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 Building, Proceedings of Energy Conservation Seminar, Ministry of Energy and Natural Resources / TUYAP], pp.157-166, İstanbul, Turkey, January 1993.
- 15.7.80 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 8th Energy Conservation Seminar, Ministry of Energy and Natural Resources / TUYAP], pp. 45-55, İstanbul, Turkey, January 1990.
- 15.7.81 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: 807, h-index: 14

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 CONTRIBUTION TO BILKENT UNIVERSITY

- 19.1** Committees/Work Groups Involved
 - 19.1.1 Discipline Committee, 2007-present
 - 19.1.2 Committee of the Graduate Program Exams, MFA and PhD, June 2010-, Jury Member, (with Y. Afacan, H.Demirkan, N. Olguntürk)
- 19.2** Other Duties Assigned by the University or Activities Carried Out for the University
 - 19.2.1 Faculty Library Representative, 2007-present.
 - 19.2.2 "Üniversite Tanıtım Günleri", Dept. Representative 2008-present.
 - 19.2.3 "Orientation 2007" organization for IAED, 2007.

- 19.3** Refereeing for Arts Events and Competitions
- 19.3.1 December 2008-April 2009, Jury Member, Designing for Student Union Building Student Competition, Bilkent University Dean of Students', Student Council and Dept of Interior Architecture and Environmental Design.
- 19.4** September 2008-January 2009, Student Union in Sanral İstanbul Student Competition, Bilkent University Dean of Students', Student Council and Dept. of Interior Architecture and Environmental Design.
- 19.4.1 Co-supervisor of Graduate Students
- 19.4.1.1 Sezin Tanrıöver, Ph.D, "An Investigation on the Areas and Locations of Sunlight Patches in Patient Rooms", Middle East Technical University, 2006.
- 19.4.2 Jury Member of Thesis Supervising Committee
- 19.4.2.1 Burcu Suzan, PhD, "Constructing New Soundscape Fundamental Elements in Conscious Urban Design", Middle East Technical University, June 2016-present.
- 19.4.2.2 Okay Esen, PhD, "Doğal Aydınlatmada Kapalı Gökyüzü Koşullarında Farklı Eylemler için Belirlenen En Uygun Işık Rafının, Açık Gök Koşullarındaki Performansının Değerlendirilmesi" [Analysis of İdeal Light Shelves Determined under Overcast Sky Condition Daylighting], Gazi Üniversitesi Fen Bilimleri Enstitüsü, Ankara, 2012-2015.
- 19.4.2.3 Zühre Sü Gül, PhD, "Assessment of Non-exponential Sound Energy Decay within Multi-Domed Monuments by Numerical and Experimental Methods", Middle East Technical University, 2011-2015.
- 19.5** Jury Member of Graduate Study in the Bilkent University
- 19.5.1 Reyhan S. Okutan, MFA, "A User-centered Approach to Green Existing Buildings: Bilkent University Library as a Case Study", Bilkent University, The Graduate School of Economics and Social Sciences, July 2016.
- 19.5.2 Zeyca Örer, MFA, Emotional Responses Towards the Interior Environments Designed by Rectilinear, Symmetrical Curvilinear and Asymmetrical Curvilinear", The Graduate School of Economics and Social Sciences, July 2016.
- 19.5.3 Dilara Kivanç, MFA, "Relationships Between Density, Crowding, Privacy and Dormitory Satisfaction: The Case of Bilkent University Dormitories, The Graduate School of Economics and Social Sciences, July 2016.
- 19.5.4 Erhan E. Dikel, PhD., "A New Method in Object Lighting-Using Surface Chromaticity Coordinates as a LED-Based Lighting Tool in Museums", Bilkent University, Institute of Fine Arts, September 2007.
- 19.5.5 Serkan Ülgen, MS, "A New Active Control Application for Reduction of Environmental Noise in Open Spaces", Middle East Technical University, Building Science, Ankara, June 2016.
- 19.5.6 Seda Avcı, MS, "Development of an Ecological, Smooth, Unperforated Sound Absorptive Material Made of Local and Natural Materials", Middle East Technical University, Building Science, Ankara, January 2014.
- 19.5.7 Gonca Yıldırım, MS, "Performance Halls in Early Turkish Republic in Ankara and Their Acoustical Evaluations. 3 Cases: Küçük Tiyatro, Resim Heykel Müzesi and Opera", Middle East Technical University, Building Science, Ankara, September 2011.
- 19.5.8 Aylin A. Dinçer, MS, "Peysaj Mimarlığında Estetik Değerlendirmede bir Yaklaşım Önerisi" [A Proposal for Aesthetics Evaluation in Landscape Architecture], Ankara Üniversitesi, Fen Bilimleri Enstitüsü, 2011.
- 19.5.9 Gül S. İlisulu, MS, "Tiyatro Salonlarının Akustik Açısından Değerlendirilmesi-Örnek Çalışma: İstanbul Büyükşehir Belediyesi Beyoğlu Sahnesi" [Acoustical Analysis of a Theatre: İstanbul Metropolitan Municipality Beyoğlu Theatre as a Case Study], Gazi Üniversitesi Fen Bilimleri Enstitüsü, Ankara, Eylül 2010
- 19.5.10 Pınar Eken, MS, "Buz Pisti Salonlarında Aydınlatma ve Ankara Belpa Buz Pateni Salonu Aydınlatmasının İrdelenmesi" [Analysis of Illumination Criteria for Enclosed Ice Rinks and An example; Ankara Belpa Ice Rink], Gazi Üniversitesi Fen Bilimleri Enstitüsü, Ankara, Temmuz 2010.
- 19.5.11 Tansu Yılmaz, MS, "Low Frequency Sound Control in Multipurpose Halls by Resonators", Middle East Technical University, Building Science, Ankara, September 2004.
- 19.5.12 Gamze Hakyemez, MS, "Study on Acoustical Characteristics of the Metu Convention and Cultural Complex", Middle East Technical University, Building Science, Ankara, December, 1997.

20 EDUCATIONAL DEVELOPMENT ACTIVITIES

20.1 Expert Certification Programme

20.1.1 D1_Akustik Uzmanı, TMMOB, Mimarlar Odası, 2018., Ankara.

20.1.2 Enerji Kimlik Belgesi (EKB) Uzman Eğitimi [Energy Identification Certificate], TMMOB, Makina Mühendisliği Odası, 6-8 Nisan 2012, Ankara.

20.2 Research Projects' Events

20.2.1 Fraunhofer German-Turkish Days Kick-off Conference, September 2014, İstanbul.

20.2.2 Horizon 2020 National Launch Event-Turkey, Turkey and Europe: Stronger Together Through Research and Innovation, June 2014, İstanbul.

20.3 Research Projects' Info Days

20.3.1 Organized by Bilkent University-Bilkent TTO-

20.3.1.1 Bilkent TTO Info Session by Ebru Başak Aköz, November 2016, Ankara.

20.3.1.2 European Cooperation in Science and Technology (COST) Info Day by Ayşe Sayın Üke-Tübitak, May 2015, Ankara.

20.3.1.3 EU HORIZON 2020 Maria Curie Programme Info Day by Bilkent University and TÜBİTAK, May 2015, Ankara.

20.3.1.4 2015 UK-Turkey Year of Science and Innovation Newton-Katip Çelebi Fund Info Day by Bilkent TTO, British Council, Tübitak, April 2015, Ankara.

20.3.1.5 TÜBİTAK 1602 Patent Support Programme Info Day by Hamit Taş, TÜBİTAK, July 2014, Ankara.

20.3.1.6 Patent Application Presentation by M. Kaan Dericioğlu, Ankara Patent Ofisi, April 2014, Ankara.

20.3.1.7 EU H2020 NMP Focus Group Meeting by Tübitak and Bilkent TTO, March 2014, Ankara.

20.3.1.8 Bilkent TTO Info Session by Kuzeyhan Özdemir and Ebru Başak Aköz, March 2014, Ankara.

20.3.1.9 EU Horizon 2020 ERC Info Day by Aslı Vural ERC NCP, Tübitak and Prof. Dr. Cevdet Aykanat Bilkent University, Bilkent TTO, February 2014, Ankara.

20.3.1.10 ERC Work Programme Info Day by Ebru Başak Aköz, Bilkent TTO, February 2013. Ankara.

20.3.2 Organized by Bilkent CYBERPARK

20.3.2.1 Patent Info Day organized by Cyberpark, Bilkent : Uğur G. Yalçiner, July 2014, Ankara.

20.3.2.2 EU H2020 Industrial Research Project Info Day organized by Cyberpark, Aycan Kaya (Tübitak- EUREKA National Coordination Office), November 2013, Ankara.

20.3.2.3 TÜBİTAK Teydep 1512 Bireysel Teknogirişim Desteği Bilgi Günü, Cyberpark, Emin Okutan, Eylül 2012, Ankara.

20.3.2.4 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.

20.3.2.5 EU H2020 Legal and Financial Rules organized by Cyberpark, December 2013, Ankara.

20.3.2.6 TÜBİTAK Teydep Info Day organized by Cyberpark, Pınar Aker (Tübitak Scientific Programme Expert), June 2012, Ankara.

20.4 Workshops organized by Bilkent University

20.4.1 September 2011 MOODLE Workshop by Can Kültür, Educational Technology Support (SETS)

20.4.2 January 2010 Workshop by Gordon Suddaby

20.4.3 June 2010 Workshop by Dr. Christopher Knapper, Prof. Emeritus at Queen's University, Kingston, Canada

21 CONTRIBUTION TO SOCIETY AT LARGE

21.1 "Bilkent Üniversitesi Tanıtımı", Ankara Üniversitesi, Uygulama Lisesi Bilkent University Representative, Gölbaşı, Ankara, May 2013 (with G. Çulcuoğlu).

21.2 "İç Mimarlık ve Çevre Tasarımı Bölüm Tanıtımı", Mamak Cumhuriyet Anadolu Lisesi, Department Representative, Mamak, Ankara, March 2011.

September 2024