

MİNE (AŞÇIGİL) DİNCER

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Education

- Jan. 2009 – April 2016 **PhD:** Istanbul Technical University, Graduate School of Science Engineering and Technology, Architecture Department, Construction Sciences PhD Program. Thesis: *An approach for developing road traffic noise annoyance prediction model.*
- Oct. 2011 – June 2012 Italy Genoa University, DIPTM, Erasmus Student Exchange Program
- Jan. 2006 – Jan. 2009 **MSc:** Istanbul Technical University, Graduate School of Science Engineering and Technology, Architecture Department, Environmental Control and Construction Technologies MSc Program. Thesis: *Preparation of Road Traffic Noise Maps: Istanbul Zincirlikuyu-Maslak Transportation Route Example.*
- 2001 – 2006 **BSc:** Istanbul Technical University, Fac. of Architecture, Dep. of Architecture
- 1994 – 2001 Istanbul American Robert College

Work

- 2017 – cont. **Assist. Prof. Dr.,** Bahcesehir University, Faculty of Architecture & Design, Department of Architecture
- 2015-2017 **Specialist Dr.,** Istanbul Technical University, Faculty of Architecture, Department of Architecture
- 2006-2015 **Res. Ass.,** Istanbul Technical University, F.of Architecture, Dep.of Architecture

Field of Expertise

- Building acoustics Sound insulation calculation and measurement of building elements: inner walls, outer walls, floors, doors and windows
- Room acoustics Acoustical projects of concert halls, theaters, opera houses, TV and recording studios
- Environmental acoust. Environmental noise measurements and calculations; road traffic, railroad, aircraft, industrial and entertainment noise mapping and action planning

Scientific Research Projects

- 2011-2016 A Method to Develop Noise Indicator To Evaluate Road Noise Annoyance, I.T.U. Research Fund for Supporting Graduate Thesis. (Prof.Dr. Sevtap Yilmaz Demirkale, Mine Aşçıgil Dincer)
- 2010-2012 Improvement of Wall Sound Insulation Value Database for Different Noise Zones in Turkey: Sound Insulation, Thermal Insulation, Moisture Control, and Building Material, I.T.U. Research Fund. (Prof.Dr. Sevtap Yilmaz Demirkale, Prof.Dr. Leyla Tanacan, Assist. Prof. Gülten Manioğlu, Res.Ass. Mine Aşçıgil Dincer)
- 2008-2009 Preparation of Road Traffic Noise Maps: Istanbul Zincirlikuyu-Maslak Transportation Route Example, I.T.U. Research Fund for Supporting Graduate Thesis. (Prof.Dr. Sevtap Yilmaz Demirkale, Mine Aşçıgil)

Publications

Publications in Journals (International)

- 2017 Sevtap Yılmaz Demirkale, Mine Aşçigil-Dincer, Retrofitting masonry and cavity brick façades for different noise zones using laboratory measurements. *Building Acoustics*, 24(2), 77-100. DOI: 10.1177/1351010X17693399
- 2016 Mine Aşçigil Dincer, Sevtap Yılmaz Demirkale, Effect of sound environment on homework performance. *A|Z ITU Journal of the Faculty of Architecture*, 13(2), 79-86., Doi: 10.5505/itujfa.2016.71677
- 2015 Mine Aşçigil Dincer, Sevtap Yılmaz Demirkale, Modelling road traffic noise annoyance by listening tests. *A|Z ITU Journal of the Faculty of Architecture*, 12(3), 285-306.
- 2015 Mine Aşçigil Dincer, Sevtap Yılmaz Demirkale, Sound insulation laboratory measurements of hollow brick cavity walls with different cavity depths and filling thicknesses, *Noise Control Engineering Journal*, Vol. 63, No. 3, 05/2015, s. 225-238, ISSN: 0736-2501, Institute of Noise Control Engineering, <http://dx.doi.org/10.3397/1/376321>

Publications in Journals (in Turkish Language)

- 2010 Prof. Dr. Sevtap Yılmaz Demirkale, Ar.Gör. Mine Aşçigil Dincer, "Çevresel Gürültünün Değerlendirilmesi ve Yönetimi Yönetmeliğinin Mimarlara Getirdiği Sorumluluklar" "Responsibilities for Architects on Environmental Noise Directive", *Mimarist*, Vol. Güz/Spring 2010, No. 37, 09/2010
- 2010 Prof. Dr. Sevtap Yılmaz Demirkale, Ar.Gör. Mine Aşçigil Dincer, "İki tabakalı hafif elemanlarda ses yalıtımı: Alçı bölme duvarlar" "Sound Insulation in Lightweight Double Leaf Partitions: Gypsum Board Partitions", *Alçıdergi*, No. 7, 09/2010
- 2009 Prof. Dr. Sevtap Yılmaz Demirkale, Emine Gül Ateş, Ar.Gör. Mine Aşçigil Dincer, "Kültürel Mirasımız Yerebatan Sarnıcı'nın Bilgisayar Yardımı ile Akustik Analizi" "A study on the computer aided acoustic analysis of Basilica Cistern in İstanbul", *TTMD Dergisi*, Vol. Eylül-Ekim 2009, No. 63, 09/2009
- 2009 Prof. Dr. Sevtap Yılmaz-Demirkale, Y.Mimar Deniz Karaman, Araş.Gör. Mine Aşçigil, "İnşaat sektöründe şantiye gürültüsünün değerlendirilmesi: Bir konut şantiyesi örneği" "Evaluation of Construction Site Noise in Building Sector: A Residential Construction Site Example", *Dünya İnşaat Dergisi*, 06/2009

International Conference Papers

- 2015 Mine Aşçigil Dincer, Sevtap Yılmaz, "Listening Tests on Road Traffic Noise Annoyance Inside Dwellings", 07/2015, 22nd International Congress on Sound and Vibration, Florence, Italy, 7/12/2015 - 7/16/2015
- 2012 Aglaia Badino, Res.Ass. Mine Aşçigil Dincer, Assoc. Prof. Dr. Corrado Schenone, Prof. Dr. Sevtap Yılmaz, "Applicability of road traffic dose-effect relations to Turkish urban context", 08/2012, *Internoise 2012*, NewYork, USA, 8/19/2012 - 8/22/2012
- 2012 Prof. Dr. Sevtap Yılmaz, Res.Ass. Mine Aşçigil Dincer, Assist.Prof. Gulden Manioglu, Prof. Dr. Leyla Tanacan, "Sound transmission through facade walls designed for sound, heat and moisture control using brick with attached gypsum board", 08/2012, *Internoise 2012*, NewYork, ABD, 8/19/2012 - 8/22/2012
- 2009 Res.Ass. Mine Aşçigil, Prof. Dr. Sevtap Yılmaz Demirkale, "Road traffic noise mapping for İstanbul Zincirlikuyu - Maslak transportation route", 08/2009, *Inter-Noise 2009*, Ottawa, Canada, 8/23/2009 - 8/26/2009
- 2009 Prof. Dr. Sevtap Yılmaz Demirkale, Emine Gül Ateş, Res.Ass. Mine Aşçigil, "A study on the computer aided acoustic analysis of Basilica Cistern, a cultural Heritage in İstanbul", 06/2009, 4th International Building Physics Conference, İstanbul, Turkey, 6/15/2009 - 6/18/2009
- 2007 Prof. Dr. Sevtap Yılmaz-Demirkale, Res.Ass. Mine Aşçigil, Mete Akcadag, "Acoustical Project of Zorlu Plaza Conference Hall in İstanbul", 08/2007, *Inter-Noise 2007*, İstanbul, Turkey, 8/28/2007 - 8/31/2007

National Conference Papers (in Turkish language)

- 2014 Prof. Dr. Sevtap Yılmaz, Araş. Gör. Mine Aşçigil Dincer, Y. Doç. Dr. Gülten Manioğlu, Prof. Dr. Leyla Tanacan, "Isı, Nem Ve Ses Kontrolü Açısından Tasarlanan Hava Tabakalı Çift Tuğla Duvarlarda Ses Geçişinin Laboratuar Ortamında İncelenmesi Ve Değerlendirilmesi" "Laboratory Examination and Evaluation of Sound Insulation of Double Brick Walls Designed for Thermal, Humidity and Sound Control", 03/2014, 1. Ulusal Yapı Fiziği ve

Çevre Kontrolü Kongresi, 1st National Building Physics and Environmental Control Conference, İTÜ Mimarlık Fakültesi, 3/13/2014 - 3/14/2014

- 2014 Hüsni Çay, Prof. Dr. Sevtap Yılmaz, Araş. Gör. Mine Aşçıgil Dincer, "TS EN 12354-1 ve TS EN ISO 140-4 Standartlarının Karşılaştırılması: İstanbul'da Bir Konut Örneği" "Comparison of TS EN 12354-1 and TS EN ISO 140-4 Standards: A House Example in Istanbul", 03/2014, 1. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi, 1st National Building Physics and Environmental Control Conference, İTÜ Mimarlık Fakültesi, 3/13/2014 - 3/14/2014
- 2013 Prof. Dr. Sevtap Yılmaz, Araş. Gör. Mine Aşçıgil Dincer, Y. Doç. Dr. Gülten Manioğlu, Prof. Dr. Leyla Tanacan, "Alçı Levha İlaveli Tuğla Dış Duvarında Ses Geçişinin, Isı Ve Nem Kontrolünün İncelenmesi" "Investigation Of Sound Reduction, Heat And Moisture Control For Brick Outer Wall With Added Gypsum Board: Laboratory Evaluation", 12/2013, 10. Ulusal Akustik Kongresi, 10th National Acoustics Congress, Yıldız Teknik Üniversitesi Oditoryumu, 12/16/2013 - 12/17/2013
- 2013 Prof. Dr. Sevtap Yılmaz, Araş. Gör. Mine Aşçıgil Dincer, "Tuğla Duvarın Ses Azalma İndeksi Üzerinde Sıva Kuruma Sürecinin Etkileri: Laboratuvar Değerlendirmesi", "The Effect of Plaster Drying Process on Brick Wall Sound Reduction Index: Laboratory Evaluation" 12/2013, 10. Ulusal Akustik Kongresi, 9th National Acoustics Congress, Yıldız Teknik Üniversitesi Oditoryumu, 12/16/2013 - 12/17/2013
- 2011 Prof. Dr. Sevtap Yılmaz, Araş. Gör. Mine Aşçıgil Dincer, Mim. Merve Çay, "Azerbaycan Bakü Nizami Büyük Sinema Salonunun Akustik Projelendirilmesi" "Acoustical Project of Azerbaijan Baku Nizami Big Cinema Hall", 05/2011, Türk Akustik Derneği 9. Ulusal Akustik Kongresi, 9th National Acoustics Congress, ODTÜ Kültür ve Kongre Merkezi, Ankara, 5/26/2011 - 5/27/2011
- 2011 Prof. Dr. Sevtap Yılmaz, Prof. Dr. Leyla Tanacan, Y. Doç. Dr. Gülten Manioğlu, Araş. Gör. Mine Aşçıgil Dincer, "Ana Malzemesi Tuğla Olan Dış Duvar Yapı Elemanlarının Ses Geçiş Kaybı Değerlerinin Laboratuvarda Ölçülmesi ve Değerlendirilmesi" "Measurement and Evaluation of Sound Transmission through Brick Facade Walls", 05/2011, Türk Akustik Derneği 9. Ulusal Akustik Kongresi, 9th National Acoustics Congress, ODTÜ Kültür ve Kongre Merkezi, Ankara, 5/26/2011 - 5/27/2011
- 2009 Ar. Gör. Mine Aşçıgil, Prof. Dr. Sevtap Yılmaz-Demirkale, "İstanbul Zincirlikuyu-Maslak Karayolu Ulaşım Aksı Gürültü Haritası" "İstanbul Zincirlikuyu-Maslak Transportation Route Road Traffic Noise Map", 09/2009, 8. Ulaştırma Kongresi, 8th Transportation Congress, İstanbul, 9/30/2009 - 10/2/2009
- 2008 Ar. Gör. Mine Aşçıgil, Prof. Dr. Sevtap Yılmaz-Demirkale, "Karayolu Gürültü Haritalarının Hazırlanması Üzerine bir Çalışma, İstanbul Büyükdere Caddesi Örneği" "Preparation of Road Traffic Noise Maps: Istanbul Büyükdere Road Example", 11/2008, 8. Ulusal Akustik Kongresi, 8th National Acoustics Congress, Antalya, 11/27/2008 - 11/28/2008
- 2008 Prof. Dr. Sevtap Yılmaz-Demirkale, Deniz Beşiktepe-Karaman, Ar. Gör. Mine Aşçıgil, "İnşaat Sektöründe Şantiye Gürültüsünün Değerlendirilmesi: Bir Konut Şantiyesi Örneği" "Evaluation of Construction Site Noise in Building Sector: A Residential Construction Site Example", 11/2008, 8. Ulusal Akustik Kongresi, 8th National Acoustics Congress, Antalya, 11/27/2008 - 11/28/2008
- 2008 Prof. Dr. Sevtap Yılmaz-Demirkale, Nihan Gürel, Ar. Gör. Mine Aşçıgil, "İlköğretim Okullarının Akustik Performansının Değerlendirilmesi, İstanbul'da bir İlköğretim Okulu Örneği" "Acoustical Evaluation of Elementary Schools", 11/2008, 8. Ulusal Akustik Kongresi, 8th National Acoustics Congress, Antalya, 11/27/2008 - 11/28/2008
- 2007 Prof. Dr. Sevtap Yılmaz-Demirkale, Ar.Gör. Mine Ascigil, "Sağlıklı Kentler ve Yapılarla İlgili Türkiye'nin Gürültü Politikası" "Turkey's Noise Policy about Healthy Cities and Buildings", 10/2007, TESKON 2007, İzmir, 10/25/2007 - 10/28/2007
- 2007 Y.Doç.Dr. Nurgün Tamer-Bayazıt, Ar.Gör. Mine Ascigil, "Sağlıklı ve Yaşanabilir Çevreler için Akustiğin Önemi" "Importance of Acoustics for Healthy and Livable Environment", 10/2007, TESKON 2007, İzmir, 10/25/2007 - 10/28/2007

Book editor (in Turkish language)

- 2016 2. Ulusal Yapı Fiziği ve Çevre Kontrolü Kongresi Bildiri Kitabı, Editör, B2B Medya.

Expertise in application projects

Building Acoustics

- 2013 Theoretical determination and report for impact sound pressure level of floating floor containing rubber for Tınaz Kauçuk Kimya San. ve Tic. Ltd. Şti., ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2013.
- 2012 Calculation for airborne sound reduction and report of a floating floor for Sinpas GYO A.Ş., ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.
- 2010 Extensa Bomonti Apartment Inner Wall Sound Insulation Calculation and Report, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2010.

Room acoustics

- 2011 Fenerbahce Sukru Saracoglu Stadium Acoustics Report, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2011.
- 2010 Acoustical Project and Report of Afghanistan Mazar-i Sharif Airport, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2010.
- 2009 Acoustical Projects and Reports of Baku- Azerbaijan, Nizami KT Cinema Halls, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil Dincer, 2009.
- 2009 ISKI 2. Head Office Conference Hall, Acoustic Analysis Report, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil, 2009.
- 2007 Control of indoor noise of Buyaka Shopping Mall, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil, 2007.

Measurement experience in laboratory and field

Building Acoustics

- 2012 Field sound insulation measurements and reports of 4 floors for Sinpas GYO A.Ş., ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.
- 2012 Sound insulation laboratory measurement and report of a wall for Seranit, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.
- 2012 Sound insulation laboratory measurements and reports of 3 walls for Sinpas GYO A.Ş., ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.
- 2012 Sound insulation laboratory measurement and report of gypsum board wall, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.
- 2011 Field sound insulation measurements for house in Kadikoy, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, Graduate student Husnu Cay, 2011.
- 2010 Sound insulation laboratory measurement and report of Star Group glass, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Ass.Prof.Dr. Nurgun Tamer Bayazit, Res.Ass. Mine Ascigil Dincer, 2010.
- 2009 Sound insulation laboratory measurement and report of ATDS MagBoard wall, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil Dincer, 2009.
- 2007 Sound insulation laboratory measurement and report of Protém, ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil, 2007.
- 2006 Sound insulation laboratory measurements and reports for Erkurt Holding, Prof.Dr. Sevtap Yılmaz Demirkale, Res.Ass. Mine Ascigil, 2006.

Room Acoustics

- 2013 Field room acoustics measurements of Uskudar Semsipasa Mosque, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, Graduate student Ali Kaygisiz, 2013.
- 2012 Measurement and Report on Room Acoustical Speech Transmission Index (RASTI) for Tüvasaş's Sleeping Car (For BDZ), ITU Circulating Capital, Prof.Dr. Sevtap Yılmaz, Res.Ass. Mine Ascigil Dincer, 2012.

2007 Room acoustics measurements for elementary school, Prof.Dr. Sevtap Yilmaz, Res.Ass. Mine Ascigil, Graduate student Nihan Gurel, 2007.

Environmental Acoustics

2011 Environmental Noise Measurements and Report for Reina Entertainment, ITU Circulating Capital, Prof.Dr. Sevtap Yilmaz, Res.Ass. Mine Ascigil Dincer, 2011.

2011 Environmental Noise Measurements and Report for Emaar PJSC, ITU Circulating Capital, Prof.Dr. Sevtap Yilmaz, Res.Ass. Mine Ascigil Dincer, 2011.

2009 Environmental Noise Measurements for Industry Noise, Res.Ass. Mine Ascigil Dincer, Graduate student Serhat Bozkurt, 2009.

2009 Environmental Noise Measurements for Traffic Noise, Res.Ass. Mine Ascigil Dincer, 2009.

2007 Outdoor noise report of Buyaka Shopping Mall, ITU Circulating Capital, Prof.Dr. Sevtap Yilmaz Demirkale, Res.Ass. Mine Ascigil, 2007.

2007 Environmental Noise Measurements for Construction Noise, Res.Ass. Mine Ascigil Dincer, Graduate Student Deniz Besiktepe, 2007.

2007 Sound barrier classification for Protem, ITU Circulating Capital, Prof.Dr. Sevtap Yilmaz Demirkale, Res.Ass. Mine Ascigil, 2007.

Certifications

2009- 2016 Instructor at ITUSEM "Assessment and Management of Environmental Noise" Certificate Programs (related with the protocol signed with ITU and Ministry of Environment and Forestry in 2009)

Certificate B-1: Industrial Noise Reporting and Mapping

Certificate B-2: Transportation (Road, Railway, Airport) Noise Mapping

Certificate C-1: Building Acoustics

Certificate C-2: Noise Action Planning

2007 Participant and certificate holder of ITUSEM "Assessment and Management of Environmental Noise" Certificate A: Engineering Acoustics

Fellowships

2009-Cont. Building Physics Society (Turkey) (founding member)

2009-2011 Building Physics Society (Turkey) (general secretariat)

2007-Cont. Turkish Acoustical Society (member)

Courses

2017- cont. ARC1052 Materials and Methods of Construction I

2017- cont. ARC2001 Architectural Design I

2017- cont. ARC2053 Materials and Methods of Construction II

2017- cont. ARC2082 Environmental Control Systems

2017- cont. ARC3983 Integrated Building Systems