

# ÖZGEÇMİŞ

---

**Adı Soyadı** : Sinem KÜLTÜR

**Doğum Tarihi** : 22.09.1985

**Doğum Yeri** : Balıkesir

**İş Telefonu** : 0212 3815549

**Cep Telefonu** : 0505 4949037

**İş Adresi** : İhlamur Yıldız Cad. Bekçi Sok. No: 10 Bahçeşehir Üniversitesi Kuzey Kampüs B Blok Mimarlık ve Tasarım Fakültesi Beşiktaş / İSTANBUL

**E-postası** : sinem.kultur@arc.bau.edu.tr

**Bildiği Yabancı Diller** : İngilizce (YÖKDİL 97.5, 2017); Japonca

**Öğrenim Bilgisi** :

İstanbul Teknik Üniversitesi

Doktora

2011-2019

Fen Bilimleri Enstitüsü / Yapı Bilimleri Programı

A Holistic Decision Support Tool for Facade Design (Tez)  
(Tez Danışmanları: A. Nil TÜRKERİ, Ulrich KNAACK)

İstanbul Teknik Üniversitesi

Yüksek Lisans

2007-2010

Fen Bilimleri Enstitüsü / Çevre Kontrolü ve Yapı Teknolojisi Programı

Çatı Kaplama Malzemesinin Güneş Işınımı Yansıtma Performansının Değerlendirilmesi (Tez)  
(Tez Danışmanı: A. Nil TÜRKERİ) (İTÜ BAP Birimi tarafından desteklenmiştir).

Lisans

2003-2007

Bahçeşehir Üniversitesi

Mimarlık Fakültesi Mimarlık Bölümü %100 ÖSYM Burslu (Bölüm Birincisi)

## Görevler :

Araştırma Görevlisi  
2007-.... Bahçeşehir Üniversitesi Mimarlık ve Tasarım Fakültesi Mimarlık Bölümü

---

Yaz-Kış Okulu  
Koordinatörlüğü  
2009-.... Bahçeşehir Üniversitesi ve Mukogawa Women's University

---

Araştırmacı (Misafir)  
2014 Bahar Dönemi Delft University of Technology, Facade Research Group

---

## Projelerde Yaptığı Görevler :

Ulusal Araştırma Projesi  
(Bahçeşehir Üniversitesi  
**TTO Birimi** tarafından destekli)  
Araştırmacı BAU AR-GE Mimarlık ve Tasarım Fakültesi Yapı Laboratuvarı  
3.8.2018 tarihinden itibaren devam ediyor.

---

Ulusal Araştırma Projesi  
(**İTÜ BAP Birimi** tarafından  
destekli)  
Araştırmacı Çatı Kaplama Malzemesinin Uzun Dönem Işınım Yansıtma  
Performansının Değerlendirilmesi  
13.5.2009-13.9.2010 (tamamlandı)

---

## Ödüller :

Ulusal Mimari Proje Yarışması  
Eşdeğer Ödül  
Nisan, 2008 Kayseri İç Kalesi'nin Korunarak Kültür ve Sanat Ortamına  
Dönüştürülmesi için İki Kademeli Ulusal Mimarlık Yarışması  
1. Kademe

---

Ulusal Mimari Proje Yarışması  
Mansiyon Ödülü  
Ekim, 2008 Kayseri İç Kalesi'nin Korunarak Kültür ve Sanat Ortamına  
Dönüştürülmesi için İki Kademeli Ulusal Mimarlık Yarışması  
2. Kademe

---

## **Burslar** :

Lisansüstü Eğitim Bursu  
2011-2019

TÜBİTAK BİDEB  
2211 Yurtiçi Doktora Burs Programı

---

Başarı Bursu  
2004-2007

Bahçeşehir Üniversitesi  
%100 ÖSYM Bursuna ek olarak Üniversite Başarı Bursu

---

## **Eserler** :

### **A. Uluslararası Hakemli Dergilerde Yayımlanan Makaleler :**

**A1.** Kültür, S. and Türkeri, N. (2012). Assessment of Long Term Solar Reflectance Performance of Roof Coverings Measured in Laboratory and in Field. Building and Environment, 48: 164-172. (35 Atıf, Bkz G3.)

Tarayan Endeksler: SCI-Expanded

**A2.** Kultur, S., Turkeri, N., and Knaack, U. (2019). A Holistic Decision Support Tool for Facade Design. Buildings, 9 (186): 1-20.

Tarayan Endeksler: ESCI-Web of Science, Scopus, Inspec

**A3.** DüNDAR, M. and Kültür, S. (2010). The Role of International Exchange Programs in Design Education: A Case Study of an Architectural Design Course in Japan. International Journal of Architectural Research, 4 (2-3): 449-457.

Tarayan Endeksler: Avery, DOAJ

**A4.** Kültür, S. (2011). Spatial Analysis of Toyhane in Traditional Divriği Houses. Intercultural Understanding, 1: 39-47.

Tarayan Endeksler: Worldcat (OCLC), CINII, J-STAGE, Semantic Scholar

### **B. Uluslararası Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında (Proceedings) Basılan Bildiriler :**

**B1.** Kultur, S., Turkeri, N., and Knaack, U. 2019. Development of a Performance Approach for Holistic Facade Design. PowerSkin 2019 Conference, Munich, Germany.

**B2.** Kultur, S., Turkeri, N., and Knaack, U. 2018. A Holistic Decision Support Tool for Facade Design. 7th International Building Physics Conference 2018, New York, USA.

**B3.** Kultur, S., Knaack, U., and Turkeri, N. 2017. Performance Check Tool for Facade Design. Conference Proceedings: Interdisciplinary Perspectives for Future Building Envelopes (Eds. TAVIL, A. & CELİK, O. C.),

International Conference on Building Envelope Systems and Technologies, Istanbul, Turkey: Istanbul Technical University.

**B4.** Kltr, S. (2016). Halkalı Baheşehir College. Poster Submission. PAUMME I. Naples, Italy.

**B5.** Kltr, S. (2016). International Exchange Programs in Architectural Education: Intercultural Study of Architecture (ICSA). Conference Book, Archi-Cultural Interactions through the Silk Road. Mukogawa Women's University, Japan.

**B6.** Sunar, P., Kltr, S., Kolar Oral, G., and Manioėlu, G. (2013). Yarının Binaları iin Geleneksel Yapıda Enerji Etkin Yaklařımın Deėerlendirilmesi. 8. Uluslararası Sinan Sempozyumu, Edirne: Trakya niversitesi.

**B7.** Kultur, S. (2012). Role of Culture in Sustainable Architecture. Archi-Cultural Translations through the Silk Road II. International Conference.

**B8.** Kltr, S. and Trkeri, N. (2011). Solar reflectance performance of roof coverings in Istanbul, Turkey. World Renewable Energy Congress, 8-13 May 2011, Linkping, Sweden.

**B9.** Kltr, S. and Trkeri, N. (2010). Assessment of Long Term Solar Reflectance Performance of Roof Coverings. Proceedings of CIB 2010 World Congress, Manchester, United Kingdom.

**B10.** Kultur S. (2016). Contributions of International Exchange Programs: Intercultural Study of Architecture. Presented in Tenth International Conference on Design Principles and Practices, Rio de Janeiro, Brazil, February 25-27, 2016.

## **C2. Yazılan Ulusal/Uluslararası Kitaplar veya Kitaplardaki Blmler :**

**C2.1.** Kotodama Istanbul, Blm adı: (BAU Mimarlık Fakltesi Japonya Yaz Okulu Programı) (2016)., Dndar Murat, Kltr Sinem, Arkeoloji ve Sanat Yayınları, Editr: Esin Esen, Ikuko Suzuki, ISBN:978-605-396-367-7.

**C2.2.** Japonya da Mimarlık Kltr Sehir, Blm adı: (Japonya'da Mimari Stdyo Deneyimi) (2011)., Dndar Murat, Kltr Sinem, Bahesehir niversitesi Yayınları, Editr: Murat Dndar, Basım sayısı:1, Sayfa Sayısı 150, ISBN:978-605-5461-14-0.

**C2.3.** Japonya da Mimarlık Kltr Sehir, Blm adı: (Japonya'da Bir Riteldir Yasamak) (2011)., Kltr Sinem, Bahesehir niversitesi Yayınları, Editr: Murat Dndar, Basım sayısı:1, Sayfa Sayısı 150, ISBN:978-605-5461-14-0.

## **E. Ulusal Bilimsel Toplantılarda Sunulan ve Bildiri Kitaplarında Basılan Bildiriler :**

**E1.** Kltr, S. and Trkeri, N. (2010). atı Kaplama Malzemesinin Uzun Dnem Iřınım Yansıtma Performansının Laboratuvarında Deneysel Deėerlendirilmesi. 5. Ulusal atı Cephe Sempozyumu, İzmir, Dokuz Eyll niversitesi.

## **F. Sanat ve Tasarım Etkinlikleri :**

### **F1. Yurtdışı Uluslararası Yaz Okulu Koordinatörlüğü :**

**F1.1.** ICSA (Inter-Cultural Study of Architecture) in Japan isimli Yaz Okulu Koordinatörü, 2009 (50 gün)

**F1.2.** ICSA (Inter-Cultural Study of Architecture) in Japan isimli Yaz Okulu Koordinatörü, 2010 (50 gün)

**F1.3.** ICSA (Inter-Cultural Study of Architecture) in Japan isimli Yaz Okulu Koordinatörü, 2012 (24 gün)

**F1.4.** ICSA (Inter-Cultural Study of Architecture) in Japan isimli Yaz Okulu Koordinatörü, 2013 (40 gün)

**F1.5.** ICSA (Inter-Cultural Study of Architecture) in Japan isimli Yaz Okulu Koordinatörü, 2019 (40 gün)

### **F2. Yurtiçi Uluslararası Kış Okulu Koordinatörlüğü :**

**F2.1.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2010 (14 gün)

**F2.2.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2011 (14 gün)

**F2.3.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2012 (14 gün)

**F2.4.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2013 (14 gün)

**F2.5.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2014 (14 gün)

**F2.6.** ICSA (Inter-Cultural Study of Architecture) in İstanbul isimli Kış Okulu Koordinatörü, 2019 (14 gün)

### **F3. Mimari Proje Yarışmaları :**

**F3.1.** İTÜ İşletme Fakültesi Mimari Proje Yarışması, 2019.

**F3.2.** Lüleburgaz Belediyesi Kore Savaşı Anma Alanı ve Ziyaretçi Merkezi Mimari Proje Yarışması, 2019.

**F3.3.** Denizli Belediyesi Hizmet Binası ve Çevresi Mimari Proje Yarışması, 2010.

### **G.1 Editörlük :**

G1.1. iaSU 2015 Post-Conference Book, Archi-Cultural Interactions through the Silkroad, Bahçeşehir University Press. ISBN 978-605-5461-86-7.

G1.2. iaSU 2011 Post-Conference Book, Archi-Cultural Interactions through the Silkroad, Bahçeşehir University Press. ISBN 978-605-5461-13-3.

### **G2. Uluslararası Konferans Düzenleme :**

**G2.1.** iaSU (International Association of SilkRoad Universities) 2011 Conference, March 16-18, 2011, İstanbul, Turkey

**G2.2.** iaSU 2015 Conference, March 25-27, 2015, Istanbul, Turkey.

**G2.3.** iaSU 2019 Conference, June 24-26, 2019, Ulaanbaatar, Mongolia.

### **G3. Atıflar**

Atıf Yapılan Yayın: Kültür, S. and Türkeri, N. (2012). Assessment of Long Term Solar Reflectance Performance of Roof Coverings Measured in Laboratory and in Field. *Building and Environment*, 48: 164-172.

**G3.1.** Turner, J. and Parisi, A. V. (2018). Investigation of correlation of broadband UVA reflection to broadband visible reflection for a variety of surfaces in the built environment, ***Building and Environment***, 136 (2018): 250-268.

**G3.2.** Borge-Die, D., et al. (2013). Passive climatization using a cool roof and natural ventilation for internally displaced persons in hot climates: Case study for Haiti. ***Building and Environment***, 59 (2013): 116-126.

**G3.3.** Li, H., et al. (2013). Multi-dimensional transient temperature simulation and back-calculation for thermal properties of building materials. ***Building and Environment***, 59 (2013): 501-516.

**G3.4.** Sirimanna, M. P. G. and Attalage, R. A. (2016) A model for analyzing the thermal performance of roof configurations with flat inclined surfaces. ***Energy and Buildings***, 116 (2016): 122-132.

**G3.5.** Borge-Diez, et al. (2013). Impact of passive techniques and clean conditioning systems on comfort and economic feasibility in low-cost shelters. ***Energy and Buildings***, 62 (2013): 414-426.

**G3.6.** Santunione, G., et al. (2019). Accelerated Biological Ageing of Solar Reflective and Aesthetically Relevant Building Materials. ***Advances in Building Energy Research***, Taylor and Francis.

**G3.7.** Costanzo, V., et al. (2013). Cool Roofs for Passive Cooling: Performance in Different Climates and for Different Insulation Levels in Italy. ***Advances in Building Energy Research***, 7: 155-169.

**G3.8.** Ferrari, C., et al. (2017). How accelerated biological aging can affect solar reflective polymeric based building materials. IOP Conference Series: ***Journal of Physics*** (35th UIT Heat Transfer Conference), 923 (2017): 1-12, IOP Publishing.

**G3.9.** Di Giuseppe, E., et al. (2018). Optical Properties of Traditional Clay Tiles for Ventilated Roofs and Implication on Roof Thermal Performance. ***Journal of Building Physics***.

**G3.10.** Littlewood, J., et al. (2019). Sustainability in Energy and Buildings, Proceedings of SEB 2019. **Springer**.

**G3.11.** Pisello, A. L., et al. (2016). Nanotech-based Cool Materials for Building Energy Efficiency. **Springer**.

**G3.12.** Li, H. (2016). Pavement Materials for Heat Island Mitigation, Design and Management Strategies, Elsevier.

**G3.13.** Gul, M., et al. (2018). Enhancement of Albedo for Solar Energy Gain with Particular Emphasis on Overcast Skies. **Energies**, 11 (2018): 1-17.

**G3.14.** Family, R. and Mengüç, P. (2018). Analysis of Sustainable Materials for Radiative Cooling Potential of Building Surfaces. **Sustainability**, 10 (2018): 1-24.

**G3.15.** Turner, J. and Parisi, A. V. (2018). Ultraviolet Radiation Albedo and Reflectance in Review: The Influence to Ultraviolet Exposure in Occupational Settings. **International Journal of Environmental Research and Public Health**, 15 (2018): 1-21.

**G3.16.** Pisello, A. N. (2017). State of the art on the development of cool coatings for buildings and cities. **Solar Energy**, 144 (2017): 660-680.

**G3.17.** Fernandez, T. K., et al. (2018). Study of a Bioclimatic Building in Wet Tropical Zone: Application of the Study of the Thermal Behavior of a Building in Cote D'ivoire. **International Journal of Sustainable and Green Energy**, 7 (2): 7-15.

**G3.18.** Krishnan, P., et al. (2018). Removal of black carbon using photocatalytic silicate-based coating: Laboratory and field studies. **Journal of Cleaner Production**, 183 (2018): 436-448.

**G3.19.** Tomar, S. S. and Gupta, J. P. (2018). Experimental Investigation on Bituminous pavement with different sieve sizes and addition of melted plastic waste to improve temperature resistivity and strength. **IJARIE**, 4 (5): 544-553.

**G3.20.** Khan, N., et al. (2016). Thermal Performance Study of White Cement Tiles. **Journal of Applied Environmental and Biological Sciences**, 6 (45): 7-21.

**G3.21.** Vox, G., et al. (2016). Evaluation of the radiometric properties of roofing materials for livestock buildings and their effect on the surface temperature. **Biosystems Engineering**, 144 (2016): 26-37.

**G3.22.** Toraldo, E., et al. (2015). Experimental investigation into the thermal behavior of wearing courses for road pavements due to environmental conditions. **Construction and Building Materials**, 98 (2015): 846-852.

**G3.23.** Ghobadi, P. (2015). The Impacts of Cool Colored Roofs and Solar Reflectance Index of Material in Reducing Building Cooling Energy Use. **Journal of Urban Sustainable Development**, Autumn 2015 (4).

**G3.24.** Kiletico, M. J., et al. (2015). New Approach to Recycle Glass Cullet in Asphalt Shingles to Alleviate Thermal Loads and Reduce Heat Island Effects. **Journal of Materials in Civil Engineering**, 27 (8).

**G3.25.** Ihara, T., et al. (2014). Treated Aluminum as Highly Reflective Facade Materials for Energy-Efficient Buildings. **Proceedings of 15th International Heat Transfer Conference (IHTC-15)**, Kyoto, Japan.

**G3.26.** Supalukmeta, P., et al. (2014). Formulation of High Reflection Engobe and Their Industrial Uses for Earthenware Wall Tile. **TNI Journal of Engineering and Technology**, 2 (2): 23-29.

**G3.27.** Li, H., et al. (2013). Corrigendum: The use of reflective and permeable pavements as a potential practice for heat island mitigation and stormwater management. **Environmental Research Letters**, 8 (2013): 1-14.

**G3.28.** Ferrari, C. et al. (2013). Design of ceramic tiles with high solar reflectance through the development of a functional engobe. **Ceramics International**, 39 (2013): 9583-9590.

**G3.29.** Calvo, J. (2016). Reducing Energy Consumption in Existing Facilities through Retrofit Prioritization Improvements. **Thesis**, Air Force Institute of Technology, Ohio.

**G3.30.** Kabore, M. (2015). Enjeux de la simulation pour l'étude des performances énergétiques des bâtiments en Afrique sub-saharienne. **PhD Thesis**, University of Grenoble.

**G3.31.** Kiletico, M. J. (2014). Integrating Recycled Glass Cullet in Asphalt Roof Shingles to Mitigate Heat Island Effect. **Master Thesis**, The Graduate Faculty of The Louisiana State University and Agricultural and Mechanical College.

**G3.32.** Shrikant Charde, M. (2013). An Experimental Study of Designed Passive Elements for Energy Efficiency in Buildings in Composite Climate. **PhD Thesis**, Birla Institute of Technology and Science.

**G3.33.** Rodrigues Almeida, L. P. (2013). Estudo Experimental da Ventilação e do Comportamento Térmico de uma Cobertura em Telha Cerâmica com Beiral Ventilado e Sub-telha. **Thesis**, Instituto Politecnico de Leiria.

**G3.34.** Li, H. (2012). Evaluation of Cool Pavement Strategies for Heat Island Mitigation. **PhD Thesis**, Office of Graduate Studies, University of California.

**G3.35.** Altındağ, R., et al. (2018). Karbonat Kökenli Bazı Doğal Taşların Yüzey Özelliklerine Bağlı Olarak Güneş Işığını Yansıtma İndeks Değerlerindeki Değişimin İncelenmesi. **Bilimsel Madencilik Dergisi**, 2018 Özel Sayı: 128-134.

#### **G4. BAU Mimarlık ve Tasarım Fakültesi Görevlendirmeleri :**

G4.1. Üniversite Tercih Günleri

G4.2. Meslek Tanıtımı ve Tasarım Yolculuğu Atölyesi