



## Zehra Tuğçe KAZANASMAZ (PhD.)

Professor,  
İzmir Institute of Technology  
Department of Architecture  
Gülbahçe Campus, Urla, 35430  
İzmir, Turkey  
Birth date: 26.07.1978  
Tel: +90 232 7507063, Fax: +90 232 7507012  
E-mail: [tugcekazanasmaz@iyte.edu.tr](mailto:tugcekazanasmaz@iyte.edu.tr), [ztugcek@gmail.com](mailto:ztugcek@gmail.com)

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### Research Interests

Daylight Performance of Buildings  
Architectural Lighting in Building Physics  
Energy Performance and its relation to building attributes

### Education

2017	Prof. İn Architecture; İzmir Institute of Technology
2012	Associate Prof. in Architecture; İzmir Institute of Technology.
2005	Ph.D. in Architecture/ Building Technology; Middle East Technical University. <i>"An Investigation on the Planimetric Design Efficiency of Inpatient Departments in Healthcare Facilities"</i> .
2002	M.Sc. in Architecture/ Building Technology; Middle East Technical University.  <i>"Lighting in Hospital Architecture: Effectiveness of Lighting Systems for Inpatient Departments; A Case Study on İbn-i Sina Hospital, Ankara"</i> .
2000	B.Arch.; Middle East Technical University.

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### Professional Experience

Since 2017	Prof. in Dept. of Arch.; İzmir Institute of Technology.
2012-2017	Associate Prof. in Dept. of Arch.; İzmir Institute of Technology.
2005-2012	Instructor Dr. in Dept. of Arch.; İzmir Institute of Technology.
2004-2005	Architect, in Ministry of National Defense, Directorate of Construction Works and of NATO, İzmir.
2003	Architect, Servet Kılıç Architectural Office in Ankara.
2000-2001	Architect, ORTEK Construction Company in Ankara.

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### Supervisor in Graduate Theses (M.Sc.)

1. Yörük, Y. "Simultaneous improvement in acoustic and visual comfort conditions by proposing design alternatives in lecture halls", since 2017.
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2. Dim, D. "The role of integrated building systems according to visual, acoustical and thermal performance; the evaluation of an auditorium in İYTE", İYTE, Arch., 2017.
  3. Firat, P. "Modelling of advanced daylighting systems to improve illuminance and uniformity in architectural design studios", İYTE, Arch., 2013.
  4. Turhan, C. "Prediction of energy consumption of residential buildings by artificial neural networks and fuzzy logic", İYTE, Energy Engineering, (co-supervisor),2012.
  5. Uygun, İ. "The impact of architectural design criteria on energy performance of residential buildings: A case study in İzmir", İYTE, Arch., 2012.
  6. Soykan, E., "Thermal comfort evaluation in intelligent buildings; Case study in Darüşşafaka Residence", İYTE, Arch., 2009.
  7. Binol, S., "A prediction model for daylighting illuminance for office buildings", İzmir Institute of Technology(İYTE), Arch., 2008.
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#### **Supervisor in Graduate Theses (Ph.D.)**

1. Grobe, L.O. "Evaluation of Daylight Redirecting Systems using Data-Driven Models" İYTE, Arch., since 2015.
  2. Uygun, İ. "Optimization of lighting design in offices", İYTE, Arch., since 2014.
  3. Bayram,G. "Retrofitting of an educational building in terms of energy efficient lighting criteria by a simulation analysis", İYTE, Arch., 2013-2015.
  4. Cilasun, A. "Categorization of Manual Lighting Control Behaviour Patterns Based on Interior Layout in Offices" İYTE, Arch., 2013-2016.
  5. Coşkun Öner, Ö. "Comparison of architectural design elements for vernacular and contemporary residential buildings in terms of their energy performance", İYTE, Arch., since 2013.
  6. Gazi, A. PhD. Thesis Supervising Committee Member, İYTE, Arch., 2013-2016.
  7. Kaplan, Z. PhD. Thesis Supervising Committee Member, İYTE, Arch.Restoration, since 2013.
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#### **Research Projects and Funding**

1. *Effective Use of Daylight in Buildings, Research Visit funded by TUBITAK Fellowship Programme (2 months) in Lucerne University Applied Sciences and Arts(Hochschule Luzern)Competence Center Envelopes and Solar Energy, Switzerland , no:1059B191500018, August-September 2015.*
2. *An experimental study to validate the optimization model about lighting design in offices, Research Project funded by İYTE, no: 2015İYTE47, Project Coordinator, 2015-2016.*

3. *Effectiveness of users on lighting system and energy consumption in offices: user manual control*, Research Project funded by İYTE, no: 2014İYTE26, Project Coordinator, 2014-2015.
4. *Determination the relationship between the energy performance of residential buildings and their architectural design parameters*, Research Project funded by Tübitak, no: 109M450, Project Coordinator, 2010-2012.
5. *Retrofitting of public buildings in terms of energy efficiency*, Research Project funded by İYTE, no: 2007İYTE23, Project Coordinator, 2007-2009.

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### **Administrative Appointment**

2016	İYTE Commission of Faculty,
2014	İYTE Directorate of Research
2012	İYTE Commission of Career Office
2006	İYTE Commission of Academic Presentation in Architecture
2006	İYTE Commission of Lateral Transfer in Architecture.
2006	İYTE Coordinator of Lighting Unit in Building Physics Laboratory in Faculty of Architecture

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### **Awards and Membership**

2014	Member of the Lighting Team, Chamber of Electrical Engineers in İzmir, Turkey.
2014	Member of the Environmental Quality Team, Chamber of Mechanical Engineers in İzmir, Turkey.
2000-2005	CIB (International Council for Research and Innovation in Building and Construction) Student Chapter METU Department of Architecture
2002-2005	TÜBİTAK PhD. Scholarship
2000-2004	Chamber of Architects in Ankara, Turkey
2004	Chamber of Architects in İzmir, Turkey

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### **Teaching Experience (selected courses last 2 years):**

#### Undergraduate Courses

- AR 252 Building Technology and Science IV (2+2) ECTS 4 (Compulsory)*  
*AR 381 Building Physics II (T+A) (2+2) ECTS 4 (Compulsory)*  
*AR 383 Lighting Analysis in Building Physics (T+A) (2+2) ECTS 4 (Elective)*

#### Graduate Courses

- AR 501 Research Methods (T+A) (2+2) ECTS 8 (Compulsory)*  
*AR 502 Thesis Research (T+A) (2+2) ECTS 8 (Compulsory)*  
*AR 581 Principles of Building Physics (T+A) (2+2) ECTS 8 (Compulsory)*  
*AR 589 Energy Efficient Lighting Design (T+A) (3+0) ECTS 7 (Elective)*  
*AR 583 Principles of Daylighting Design and Analysis (T+A) (3+0) ECTS 7 (Elective)*

AR8X2 Special Studies (T+A) (4+0) ECTS 2 (Compulsory)  
AR9X2 Special Studies (T+A) (4+0) ECTS 2 (Compulsory)  
AR500 Master Thesis (T+A) (0+1) ECTS 26 (Compulsory)  
AR600 Doctoral Thesis (T+A) (0+1) ECTS 26 (Compulsory)

### **Conferences and Exhibitions (Selected)**

*Daylighting and Facade Design Workshop*, İYTE, November, 2014.

A conference by Trakya Cam A.Ş. about 'Construction Technologies of Glass in Turkey', 2012.

A conference by Chamber of Companies for Brick and Roof Tiles in Turgutlu, Manisa, about 'Heat Insulation Applications and Brick', 2011.

An exhibition of Clean Energy Foundation Projects awarded in *Climate-based House Design Student Competition*, 2011.

*Global Warming Technology and Design Seminars* 2010. (A total of 12 seminars during February-April 2010 in Faculty of Architecture, İYTE).

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### **Presentations in Seminars/Workshops (Selected)**

*Daylighting and Facade Design Workshop*, İYTE, November, 2014.

Research Methods "Quantitative Research", İYTE, Dept. of Architecture, 2009.  
Energy Efficient Design and Lighting, Chamber of Architects, İzmir, 2011.

A workshop by Ministry of Environment and Urban Planning, "Energy Efficiency in Buildings", October 2010.

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### **Publications**

#### **A. Journal Articles (indexed)**

**A1.** Grobe, L.O., Hancı Geçit, B., Sevinç, Z., Altinkaya, G., Aksakarya, G., Ergin, M. Yörük, Y., **Kazanasmaz, T.** (2017). Scale-model and simulation-based assessments for design alternatives of daylight redirecting systems for side-lighting in an educational room. METU Journal of Faculty of Architecture (accepted to be published).

**A2. Kazanasmaz, T.,** Grobe L.O., Bauer, C., Krehel, M., Wittkopf S. (2016) Three approaches to optimize optical properties and size of a South-facing window for spatial Daylight Autonomy, *Building and Environment*. Vol 102, 243-256 (SCI-Expanded) doi: [10.1016/j.buildenv.2016.03.018](https://doi.org/10.1016/j.buildenv.2016.03.018).

**A3.** Bayram, G., **Kazanasmaz, T.** (2016). Simulation-based retrofitting of an educational building in terms of optimum shading device and energy efficient artificial lighting criteria, *Light & Engineering*, Vol.24., no.2., 45-55, (SCI-Expanded).

**A4. Kazanasmaz, T.,** Örs Firat, P. (2014). Comparison of advanced daylighting systems to improve illuminance and uniformity through simulation modelling. *Light & Engineering*, Vol.22, no.3, 56-66 . (SCI-Expanded).

**A5.** Turhan, C., **Kazanasmaz, T.**, Erlalelitepe Uygun, İ., Ekmen, K.E. Gökçen Akkurt, G. (2014). Comparative study of a building energy performance software (KEP-IYTE-ESS) and ANN-based building heat load estimation, *Energy and Buildings*, Vol.85, 115-125.(SCI-Expanded)

**A6. Kazanasmaz, T.**, Erlalelitepe Uygun, İ., Gökçen Akkurt, G., Turhan, C., Ekmen, K.E. (2014). On the relation between architectural considerations and heating energy performance of Turkish residential buildings in Izmir, *Energy and Buildings*, Vol.72, 38-50.(SCI-Expanded)

**A7. Kazanasmaz, T.** (2013). Fuzzy logic model to classify effectiveness of daylighting in an Office with a movable blind system, *Building and Environment*. Vol. 69, 22-34. (SCI-Expanded)

**A8. Kazanasmaz, T.**, Tayfur, G. (2012). "Classifications for planimetric efficiency of nursing units" METU Journal of the Faculty of Architecture, Volume 29, No.1, 1-20. (Arts and Humanities Citation Index (AHCI); Avery Index to Architectural Periodicals -AIAP)

**A9. Kazanasmaz, T.** (2009). Retrofitting project evaluated in regard to architectural usability of buildings" *AIZ ITU Journal of Faculty of Architecture*, Volume 6, No2, Fall, 20-43. (Design and Applied Arts Index (DAAI), Avery Index to Architectural Periodicals -AIAP)

**A10. Kazanasmaz, T.**, Günaydin, M. and Binol, S. (2009). Artificial neural networks to predict daylight illuminance in office buildings. *Building and Environment*. Vol. 44. No.8, 1751-1757. (SCI-Expanded)

**A11. Kazanasmaz,Z.T.** (2009). The Impact of Planimetric Configuration on Structurally Damaged Residential Buildings, *Architectural Science Review*, Volume 52, Number 1, March 2009, 54-70. (ISI; Arts and Humanities Citation Index (AHCI); Avery Index to Architectural Periodicals-AIAP)

**A12. Kazanasmaz, T.**, Düzgüneş, A. (2004). Effectiveness of Lighting Systems for Patient Rooms and Corridors, *Architectural Science Review*, Volume 47, Number 3, September 2004, 215-221. (Avery Index to Architectural Periodicals-AIAP)

## **B. Conference Papers (published in proceedings book)**

**B1.** Bayram, G., **Kazanasmaz, T.** (2016). The Influence of External Louver Design on Daylighting Performance and Lighting Energy Efficiency, In Proceedings of SBE 2016-International Conference on Sustainable Built Environment, 13-15 October,2016, 328-337, İstanbul, Turkey.

**B2.** Kunduracı Cilasun, A., **Kazanasmaz, T.** (2016). Assessing Manual Lighting Control in Offices, In Proceedings of SBE 2016-International Conference on Sustainable Built Environment, 13-15 October,2016, 247-251, İstanbul, Turkey.

**B3.** Turhan C., **Kazanasmaz, T.** Gökçen.G. (2016) Performance analysis of three soft computing methods for predicting the heat load of buildings. In Proceedings of the 8th International Exergy, Energy and Environment Symposium (IEEES-8), May 1-4, 2016, 376-382, Antalya, Turkey

**B4.** Grobe, L.O., Noback, A, Wittkopf, S., **Kazanasmaz, Z.T.** Comparison of Measured and Computed BSDF of a Daylight Redirecting Component. Proceedings of CISBAT, Lausanne, September 9-11,2015, Lausanne, Switzerland, 205-210.

**B5.** Uygun, İ., **Kazanasmaz, Z.T.**, Kale S. Optimization of energy efficient luminaire layout design in workspaces Proceedings of CISBAT, Lausanne, September 9-11,2015, Lausanne, Switzerland, 301-308.

**B6.** Atça, E., İlal, M.E., Başaran, T., **Kazanasmaz, T.**, Durmuş Arsan, Z. (2013) Renovating a lecture hall with a glass roof: A case study for performance based design, Central European Symposium on Building Physics, 9-11 September 2013,Vienna, Austria.

**B7. Kazanasmaz, T.**, Fırat, P. (2013) Modeling of advanced daylighting systems to evaluate illuminance and Uniformity, 39<sup>th</sup> International Association for Housing Science (IAHS) World Congress on Housing, Politecnico di Milano, 17-20 September 2013,325-332, Milan, Italy.

**B8. Kazanasmaz, T.**, Uygun, İ., Gökçen Akkurt, G., Turhan, C., Ekmen, K.E. (2013). Statistical Analysis of Architectural Configuration Associated with Heating Energy Performance, 39<sup>th</sup> International Association for Housing Science (IAHS) World Congress on Housing, Politecnico di Milano, 17-20 September 2013,267-274, Milan, Italy.

**B9. Kazanasmaz, T.**, Fırat, P. (2012) Comparison of simulation tools mostly used in daylighting performance studies, International Congress of Architecture - I , 1st International Symposium Proceedings, Selcuk University Department of Architecture, 15-17 November 2012, 269-282, Konya, Turkey.

**B10.** Turhan C., **Kazanasmaz, T.** Gökçen.G. (2012). The prediction of heating energy consumption for apartment buildings by using artificial neural networks in İzmir/Turkey, 6<sup>th</sup> IESE International Ege Energy Symposium & Exhibition, Symposium Proceedings, 28-30 June 2012, 507-516, İzmir, Turkey.

**B11.** Erlalitepe İ., Ekmen K.E., Turhan C., Akdemir M., Akkurt G.G., **Kazanasmaz T.** (2011) Energy performance of residential buildings and their architectural configuration, Low Energy Architecture (LEA) in World Renewable Energy Congress 2011–Sweden, Conference Proceedings, Ed. Bahram Moshfegh, Linköping University, 8-11 May 2011, 1749-1756, Linköping, İsveç.

**B12.** Turhan, C., Ekmen, K.E., Gökçen, G., **Kazanasmaz, T.** (2010) Binalarda Enerji Performansı Değerlendirme Yöntemleri, Greenage Symposium, 1<sup>st</sup> International Symposium Proceedings, Mimar Sinan Fine Arts University, Faculty of Architecture, 6-8 December 2010, 181-189, İstanbul Türkiye.

**B13.** Erlalitepe, İ., Gökçen G., **Kazanasmaz, T.** (2010) Ekolojik Mimari Tasarım Kriterlerinin Konutların Enerji Performansı Değerlendirmesindeki Yeri, Greenage Symposium, 1<sup>st</sup> International Symposium Proceedings, Mimar Sinan Fine Arts University, Faculty of Architecture, 6-8 December 2010, 119-129, İstanbul Türkiye.

**B14. Kazanasmaz, T.** (2006) Design Efficiency in Hospital Architecture.; In Proceedings of First International CIB Endorsed METU Graduate Conference, Ankara, Turkey, 17-18 March 2006. Ed. S. Andolsun, A. Temizsoy, and M.Uçar. Ankara, METU Faculty of Architecture. 231-242.

### **C. Books/or Chapters in Books**

**C1. Kazanasmaz, T.** (2011) Effective lighting for inpatient departments, Facilities Management, Hospital Healthcare Europe. Ed. Alex Kaminsky. Campden Publishing Limited. London, 1-4. *Web adresi: www.hospitalhealthcare.com/hhe.*

**C2. Kazanasmaz,Z.T.** (2010) Planimetric Design Efficiency of Hospitals: An Investigation on Design Efficiency of Inpatient Departments, VDM Verlag Dr. Mler, Saarbrcken, 144 pages. (ISBN:978-3-639-25078-7)

**C3. Kazanasmaz,Z.T.** (2010) Effectiveness of Lighting Systems in Hospitals, VDM Verlag Dr. Mler,Saarbrcken, 104 pages. (ISBN: 978-3-639-18596-6)

#### **D. Journal Articles (indexed)**

**D1. Kazanasmaz, T.** (2014). Mimari ve Enerji Etkinlik Bakıř Aılarıyla Aydınlatma Tasarımı zerine Bir alıřma, Ege Mimarlık, Ekim 2014, 19-21. (DAAI -Design and Applied Arts Index)

**D2.** Turhan, C., Gken, G., **Kazanasmaz, T.** (2013), Yapay Sinir Aları ile İzmir'deki ok Katlı Binaların Toplam Enerji Tketimlerinin Tahmin Edilmesi,Tesisat Mhendislięi, Sayı 134 - Mart/Nisan, 61-68.

**D3.** Erlalelitepe, İ., Aral, D., **Kazanasmaz, T.** (2011) Eęitim Yapılarının Doęal Aydınlatma Performansı Aısından İncelenmesi, Megaron, Yıldız Teknik niversitesi Mimarlık Dergisi, Yapı Fizięi ve Srdrlebilir Tasarım Kongresi zel Sayısı, 6:1, 39-51. (EBSCO Host Art & Architecture Complete, DOAJ)

**D4. Kazanasmaz, T.** (2011). Mevcut Binaların Enerji Verimlilięinin Artırılması, Ege Mimarlık, Temmuz 2011, 34-37. (DAAI -Design and Applied Arts Index)

**D5. Kazanasmaz,T.,** Tayfur,G.(2010). Hasta Bakım nitelerinin Tasarım Verimliliklerinin Bulanık Mantık Modeli Baęlamında Deęerlendirilmesi, Megaron, Yıldız Teknik niversitesi Mimarlık Dergisi,5:1, 11-22. (EBSCO Host Art & Architecture Complete, DOAJ)

**D6. Kazanasmaz,T.,** Dzgneř, A. (2009). Hasta Bakım Ve Tedavi nitelerinin Verimli Tasarlanması, Megaron,Yıldız Teknik niversitesi Mimarlık Dergisi,4:1, 52-60. (EBSCO Host Art & Architecture Complete, DOAJ)

**D7. Kazanasmaz, T.** (2004) Saęlık Yapılarında Yn Bulma Tasarımı, Modern Hastane Ynetimi, 8: 2, Nisan-Mayıs-Haziran, 42-46.

**D8. Kazanasmaz, T.** (2003) Saęlık Yapılarında Aydınlatma, Modern Hastane Ynetimi, 7: 1, Ocak-řubat-Mart, 14-23.

#### **E. Conference Papers (published in proceedings book)**

**E1.** Bayram, G., **Kazanasmaz, T.** (2015) Glgeleme elemanları ve ledli aydınlatma ile enerji etkin aydınlatmanın incelenmesi, VIII. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mhendisleri Odası İzmir řubesi, 21-24 Ekim 2015,97-108,İzmir.

**E2.** Cilasun, A., **Kazanasmaz, T.** (2014) Binalara iliřkin aydınlatma enerji tketimi ngrlerinde etkin bir deęer: kullanıcı kontrol, 1.Ulusal Yapı Fizięi ve evre Kontrol Kongresi, İstanbul Teknik niversitesi, 13-14 Mart 2014, İstanbul.

**E3.** Uygun, İ. ,**Kazanasmaz, T.** (2013) Mimarlık lisansüstü eğitiminde aydınlatma konularının ele alınışı: İYTE örneği, VII. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası İzmir Şubesi, 21-24 Kasım 2013,İzmir.

**E4.** Atça, E., İlal, M.E., Başaran, T., **Kazanasmaz, T.**, Durmuş Arsan, Z. (2013) Başarım odaklı tasarım: tasarımın erken evrelerinde benzetim araçlarının önemi, XI. Ulusal Tesisat Mühendisliği Kongresi Bina Fiziği Sempozyumu, 17-20 Nisan 2013, 1411-1423, İzmir.

**E5.** Turhan, C., Gökçen G., **Kazanasmaz, T.** (2013) Yapay sinir ağları ile İzmir'deki çok katlı binaların toplam enerji tüketimlerinin tahmin edilmesi, XI. Ulusal Tesisat Mühendisliği Kongresi Binalarda Enerji Performansı Sempozyumu, 17-20 Nisan 2013, 961-970, İzmir.

**E6.** **Kazanasmaz, T.**, Fırat, P. (2013) Farklı gök koşulları altında hareketli bir jaluzi sisteminin aydınlatma açısından etkinliğinin irdelenmesi, 9. Ulusal Aydınlatma Kongresi, 19-20 Nisan 2013,269-276, İstanbul.

**E7.** **Kazanasmaz, T.**, Uygun, İ., Akkurt, G., Turhan, C., Ekmen, K.E. (2012) Mimari tasarım ölçütlerinin konutların enerji performansına etkisi:İzmir'de bir alan çalışması, Sürdürülebilir Yapı Tasarımı Ulusal Konferansı,İzmir Yaşar Üniversitesi, 12-13 Kasım 2012, İzmir.

**E8.** **Kazanasmaz, T.**, Okutucu, F. (2012) Sürdürülebilir Yapılı Çevreler Oluşturulmasında Güneş Kontrol Sistemlerinin Rolü, 2. Proje ve Yapım Yönetimi Kongresi, İzmir Yüksek Teknoloji Enstitüsü, 13-16 Eylül 2012, İzmir.

**E9.** **Kazanasmaz, T.**, Diler, Y. (2011) Gelişmiş Cam Teknolojileri ile Enerji Etkinliğin Değerlendirilmesi, VI. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası İzmir Şubesi, 24-25 Kasım 2011,84-93,İzmir.

**E10.** Erlalelitepe, İ., Gökçen, G., **Kazanasmaz, T.** (2011) Mevcut Konut Binalarının Çevre Duyarlı Olmaları İçin Yenilenmesi, Çevre-Tasarım Kongresi, Yıldız Teknik Üniversitesi, 8-9 Aralık 2011, 25-36, İstanbul.

**E11.** **Kazanasmaz, T.**, Fırat, P., Tosun, M.(2011) Prizmatik Ve Lazer Kesim Panellerin Doğal Aydınlatma Performansı Açısından Değerlendirilmesi, VI. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası İzmir Şubesi, 24-25 Kasım 2011,44-56,İzmir.

**E12.** Erlalelitepe, İ., Gökçen, G., **Kazanasmaz, T.** (2011) Yeşil Bina Sertifika Sistemlerinde Konut Tasarımının Önemi, X. Ulusal Tesisat Mühendisliği Kongresi Bina Fiziği Sempozyumu, 13-16 Nisan 2011,1625-1633, İzmir.

**E13.** Erlalelitepe, İ., Aral, D., **Kazanasmaz, T.** (2010) Eğitim Yapılarının Doğal Aydınlatma Performansı Açısından İncelenmesi, Yapı Fiziği ve Sürdürülebilir Tasarım Kongresi, Yıldız Teknik Üniversitesi Mimarlık Fakültesi, Sayı: MF.MİM-2010.001,4-5 Mart 2010, 331-338, İstanbul.

**E14.** **Kazanasmaz,T.**, Günaydın, M., Binol, S. (2009) Bürolarda Günışığı Aydınlik Değerlerinin Öngörülmesi, IX. Ulusal Tesisat Mühendisliği Kongresi Bina Fiziği Sempozyumu, Mayıs 2009, 811-822, İzmir.

**E15.** **Kazanasmaz, T.** (2009) Binaların Doğal Aydınlatma Performanslarının Değerlendirilmesi, V. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası İzmir Şubesi, Mayıs, 2009, 25-36, İzmir.



**E16. Kazanasmaz, T.** (2003) Müzelerin aydınlatma tasarımı-ODTÜ Müzesi, II. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası, Diyarbakır Şubesi, 8-10 Ekim 2003,98-104, Diyarbakır.

**E17. Kazanasmaz, T.** (2003) Aydınlatma Sistemlerinin Çalışabilirlik Durumu Üzerine Bir Çalışma, İbn-i Sina Hastanesi, II. Ulusal Aydınlatma Sempozyumu, TMMOB Elektrik Mühendisleri Odası, Diyarbakır Şubesi, 8-10 Ekim 2003, 87-91, Diyarbakır.

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### Appointments as a Reviewer in Journals

- Building and Environment
- Indoor and Built Environment
- Sustainable Cities and Society
- Journal of Daylighting
- Light & Engineering

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### Citations in Web of Science and Google Scholar

Grobe, L.O., Noback, A., Wittkopf, S., **Kazanasmaz, Z.T.** (2015) Comparison of Measured and Computed BSDF of a Daylight Redirecting Component, in Proceedings of International Conference CISBAT 2015 Future Buildings and Districts Sustainability from Nano to Urban Scale, Ed. Scartezzini, Jean Louis, 9-11 September, 2015, 205-210, EPFL, Lausanne, Switzerland. **(4 citations)**.

"Kazanasmaz, T. (2013). Fuzzy logic model to classify effectiveness of daylighting in an Office with a movable blind system, *Building and Environment*. Vol. 69, 22-34." **(5 citations)**

"Kazanasmaz, T., Erlalelitepe Uygun, İ., Gökçen Akkurt, G., Turhan, C., Ekmen, K.E. (2014). On the relation between architectural considerations and heating energy performance of Turkish residential buildings in Izmir, *Energy and Buildings*, Vol.72, 38-50." **(11 citations)**

Turhan, C., **Kazanasmaz, T.**, Erlalelitepe Uygun, İ., Ekmen, K.E. Gökçen Akkurt, G. (2014). Comparative study of a building energy performance software(KEP-İYTE-ESS) and ANN-based building heat load estimation, *Energy and Buildings*, Vol.85, 115-125.**(9 citations)**

"Kazanasmaz, T., Günaydin, M. ve Binol, S. (2009). Artificial neural networks to predict daylight illuminance in office buildings. *Building and Environment*. Vol. 44. No.8 pp.1751-1757." **(53 citations)**

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### Appointments as a Jury Member in Graduate Thesis Juries (Selected)

- Orkun Baki Anıl, A research on Design of heating, Ventilation and air conditioning of hygienic spaces in Hospitals, İYTE, 18.12.2008.
- Berk Kula, An Investigation on the planimetric design efficiency of guestroom floors in four-star hotels, METU, 19.06.2009.
- Fatma Tuba Ceyhan Zeren, Energy performance analysis of Adnan Menderes international airport (ADM), İYTE, 18.12.2009.
- Onur Mengi, Analysis of climate sensitivity in outdoor space: Evaluating urban patterns in Different climates, İYTE, 15.12.2009.

- İlker Sevim, İYTE Endüstri Ürünleri Tasarımı Y.Lisans Programı, The use of Renewable Energy Sources and Technologies in Industrial Product Design: a Design Study for Public Use, İYTE, 24.06.2011.
- Aslıhan Senel Solmaz, Dokuz Eylül University, ramı, PhD. Qualification Exam Committee, 18.02.2013.
- Emre Atça, İYTE Architecture, Acoustic design based on multi-aspect performance analysis, MSc.Thesis Defense Committee, 17.12.2013.
- Selma Şenyurt, Dokuz Eylül University, PhD. Qualification Exam Committee, 17.07. 2014.
- Kamal Mohamed,METU Architecture,PhD. Qualification Exam Committee, 2014.
- Zeynep Bavunoğlu, Assessment model for communication maturity levels of construction companies, İYTE Architecture, PhD. Thesis Defense, 28.11.2014.
- Ayça Kırımtat, Design and computational optimization of an integrated shading device into a building, Yaşar University Architecture, MSc. Thesis Defense, 7.06.2016.
- Tuğçe Turhan, Lighting design proposal for the university library: the study of library lighting in relationship between visual hierarchy and human perception, Yaşar University, MSc. Thesis Defense, 22.06.2016.
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#### **Proposed Courses in the Curriculum**

- AR 581 Principles of Building Physics (with Dr.Zeynep Durmuş Arsan).
- AR 583 Principles of Daylighting Design and Analysis
- AR 383 Lighting analysis in Building Physics
- AR 589 Energy Efficient Lighting Design
- AR 381 Introduction to Acoustics and Lighting (with Doç.Dr.Emre İlal)