Adı Soyadı / *Name Surname*: Aslı Ağırbaş (Doç. Dr.)
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Eğitim / *Education*
Doktora/ *PhD*: Mimar Sinan Fine Arts University, 2017
Yüksek Lisans / *Master's Degree*: Pratt Institute, New York, 2013
Yüksek Lisans / *Master's Degree*: Mimar Sinan Fine Arts University, 2012
Lisans / *Bachelor's Degree*: Yeditepe University, 2009

Akademik Görevler / *Academic Titles*: (en yakın tarihli 3 pozisyon)
2021 – cont. Full Time Associate Professor, Faculty of Architecture and Design, Department of Architecture, Özyeğin University, Istanbul, Turkey
2020 – 2021 Full Time Associate Professor, Faculty of Architecture and Design, Department of Architecture, Fatih Sultan Mehmet Vakif University, Istanbul, Turkey
2019 – 2019 Visiting Assistant Professor, Department of Architecture / Digital and Experimental Design, Berlin University of the Arts, Berlin, Germany

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Yayınlar / *Publications*
Endeksli Dergide Makale / *Articles Published in Indexed Journals*

1. **Agirbas A.** 2022. A Teaching Methodology on the Combination of Architectural Tradition and Parametric Design: A Case Study with Birdhouses, *International Journal of Islamic Architecture* 11 (1), 149-168. https://doi.org/10.1386/ijia_00068_1 **[Index: AHCI]**
2. **Agirbas A**, Yildiz G, Sahin M. 2022. Interrelation between Grid Systems and Star Polygons of Muqarnas Ground Projection Plans. *Heritage Science* 10 (12). https://doi.org/10.1186/s40494-022-00647-z **[Index: AHCI, SCI-Expanded]**
3. **Agirbas A.** 2021. Multi-objective building design optimisation using acoustics and daylighting, *Indoor and Built Environment*. https://doi.org/10.1177/1420326X211040100 **[Index: SCI Expanded]**
4. **Agirbas A**, Yildiz G. 2021. Origin of Irregular Star Polygons in Ground Projection Plans of Muqarnas, *Nexus Network Journal* 23, 507–548. https://doi.org/10.1007/s00004-020-00516-x **[Index: AHCI, SCI-Expanded]**
5. **Agirbas A.** 2021. Macro-scale complex form generation through a swarm intelligence-based model with urban morphology constants. *Architectural Science Review*, 64, (6), 504-521. https://doi.org/10.1080/00038628.2020.177738 **[Index: AHCI]**
6. **Agirbas A.** 2021. An Experimental Parametric Design Teaching Methodology. *Design and Technology Education: an International Journal*, 26 (3), 102-118. **[Index: DAAI]**
7. **Agirbas A.** 2020. Optimization Test of a Rule-Based Swarm Intelligence Simulation for the Conceptual Design Process. *Artificial Intelligence for Engineering Design, Analysis & Manufacturing*, 34 (4), 477–491. https://doi.org/10.1017/S0890060420000323 **[SCI-Expanded]**
8. **Agirbas A.** 2020. Teaching Construction Sciences with the Integration of BIM to Undergraduate Architecture Students. *Frontiers of Architectural Research*, 9 (4), 940 950. https://doi.org/10.1016/j.foar.2020.03.007 **[Index: AHCI]**
9. **Agirbas A.** 2020. Characteristics of Social Formations and Space Syntax Application to Quantify Spatial Configurations of Urban Regeneration in Levent, Istanbul. *Journal of Housing and the Built Environment*, 35, 171–189. https://doi.org/10.1007/s10901-019-09671-1 **[Index: SSCI]**
10. **Agirbas A.** 2020. Algorithmic Decomposition of Geometric Islamic Patterns: A Case Study with Star Polygon Design in The Tombstones of Ahlat. *Nexus Network Journal*, 22 (1), 113–137. https://doi.org/10.1007/s00004-018-0416-6 **[Index: AHCI, SCI-Expanded]**
11. **Agirbas A.** 2020. A Form-Based Study: Integrating the Manhattan Bridge into the Urban Fabric, *Online Journal of Art and Design*, 8 (2), 17–23. **[Index: DAAI]**
12. **Agirbas A.** 2019. Façade Form-Finding with Swarm Intelligence. *Automation in Construction*, 99, 140–151. https://doi.org/10.1016/j.autcon.2018.12.003 **[Index: SCI-Expanded]**
13. **Agirbas A.** 2019. The Evaluation of the Relationship between the Use of Multi-Software and the Students' Attitude towards Computers and Technology in Undergraduate Architectural

Design Studio Education. *Design and Technology Education: an International Journal*, 24 (1), 122–137. **[Index: DAAI]**

14. **Agirbas A**. 2018. Performance-Based Design Optimization for Minimal Surface Based Form. *Architectural Science Review*, 61 (6), pp. 384–399. https://doi.org/10.1080/00038628.2018.1523130 **[Index: AHCI]**

15. **Agirbas A.** 2018. The Use of Metaphors as a Parametric Design Teaching Model: A Case Study. *Design and Technology Education: an International Journal*, 23 (1), 40–54. **[Index: DAAI]**

16. **Agirbas A.** 2018. Sovereignty over the Streets: Understanding of the Use of Mosquito Device in the Streets by the Application of the Space Syntax Method. *Online Journal of Art and Design*, 6 (5), 1–12. **[Index: DAAI]**

17. **Agirbas A,** Ardaman E. 2017. Macro-scale Designs through Topological Deformations in the Built Environment. *International Journal of Architectural Computing* (IJAC), 15 (2), 134–147. https://doi.org/10.1177/1478077117714915 **[Index: E-SCI, SCOPUS]**

18. **Agirbas A**, Ardaman E. 2015. A Morphological Comparison of Urban Tissues of Trani and Galata, *Journal of Architecture and Urbanism*, 39 (4), 232–247. https://doi.org/10.3846/20297955.2015.1113899 **[Index: E-SCI, SCOPUS, Art Index]**

Toplantıda Sunulmuş ve Yayınlanmış Bildiri / *Refereed Congress / Symposium Publications in Proceedings*

1. **Agirbas A,** Basogul EF. 2021. Structural Performance of Reciprocal Structures Formed by Using Islamic Geometric Patterns, Proceedings of eCAADe, University of Novi Sad, Serbia 8-10 September, pp. 391-400. **[Index: Conference Proceedings Citation Index]**

2. Basogul EF, Cakir ZK, **Agirbas A.** 2021. Architectural Competition Project Experience During the Pandemic, Proceedings of XII International Sinan Symposium, Trakya University, Edirne, 8-9 April, pp.489-498.

3. **Agirbas A.** 2020. Pneumatic Structure with Kinetic Sub-system: A Proposal for Extraterrestrial Life. Proceedings of SIGraDi, Medellin, Colombia,18-20 November, pp. 400–405.

4. **Agirbas A.** 2020. A Teaching Methodology for Parametric Design: A Case Study with Parametric Bench. Proceedings of SIGraDi, Medellin, Colombia,18-20 November, pp. 720–725.

5. **Agirbas A.** 2020. Building energy performance of complex forms: Test simulation of minimal surface-based form optimization. Proceedings of eCAADe, TU Berlin, Berlin, Germany, 16-18 September, pp. 259–268. **[Index: Conference Proceedings Citation Index]**

6. **Agirbas A.** 2019. The Effect of Complex Wall Forms on the Room Acoustics: An Experimental Case Study. Proceedings of eCAADe+SIGraDi, University of Porto, Porto, Portugal, 11-13 September, pp. 97–102. **[Index: Conference Proceedings Citation Index]**

7. **Agirbas A.** 2019. A Proposal for the Use of Fractal Geometry Algorithmically in Tiling Design. CAADFutures 2019 Proceedings, Korea Advanced Institute of Science and Technology, Daejeon, Korea, 26-28 June, pp. 438–453.

8. Cetintas M, **Agirbas A.** 2019. Differentiation of Anatolian-Turkish Carpet Motifs by Using Shape Grammars: A Case Study. Proceedings of the ISLAH International Conference, Fatih Sultan Mehmet Vakif University, Istanbul, Turkey, 26-28 August, pp. 201–209.

9. **Agirbas A.** 2018. Creating Non-standard Spaces via 3D Modeling and Simulation: A Case Study. Proceedings of SIGraDi, Universidade de São Paulo, São Carlos, Brazil, 7-9 November, pp. 1051–1058.

10. **Agirbas A**. 2018. The Use of Multi-software in Undergraduate Architectural Design Studio Education: A Case Study. Proceedings of SIGraDi, Universidade de São Paulo, São Carlos, Brazil, 7- 9 November, pp. 1059–1064.

11. **Agirbas A.** 2018. Algorithmic Decomposition of Geometric Islamic Patterns: A case study with Star Polygon Design in The Tombstones of Ahlat. Proceedings of the Nexus2018 12th International Conference, University of Pisa, Pisa, Italy, 11-14 June, pp. 93–98.

12. **Agirbas A.** 2017. The Use of Simulation for Creating Folding Structures: A Teaching Model. Proceedings of eCAADe, Sapienza University of Rome, Rome, Italy, 20-22 September, pp. 325–332. **[Index: Conference Proceedings Citation Index]**

13. **Agirbas A.** 2017. Teaching Design by Coding in Architecture Undergraduate Education: A Case Study with Islamic Patterns. CAADFutures 2017 Proceedings, Istanbul Technical University, Istanbul, Turkey, 12-14 July, pp. 249–258.

14. **Agirbas A**, Ardaman E. 2016. Simulation as an Avant-garde Form Exploration Tool: A Case Study with nCloth. DCA (Design Communication Associations) European Conference Proceedings, Ozyegin University, Istanbul, Turkey, 11- 14 May, pp. 157–160.
15. **Agirbas A.** 2015. The Use of Digital Fabrication as a Sketching Tool in the Architectural Design Process: A Case Study. Proceedings of eCAADe, Vienna University of Technology, Vienna, Austria, 16-18 September, pp. 319–324. **[Index: Conference Proceedings Citation Index]**

Kitap Yazarlığı ve Editörlüğü ve Kitap İçinde Bölüm Yazarlığı / *Author/Editor of Books & Book Chapters*

1. **Agirbas A.** 2018. Parametrik Dokular. In: Kusursuz Tekrar, Yeditepe Biennial Catalogue, pp. 29– 40, Istanbul.
2. **Agirbas A.** 2014. Championing Architecture in Olympic Cities: 2020, Istanbul, Turkey. InProcess GAUD+PSPD - Pratt Architecture Yearbook, Issue 19, pp. 54–55, 62-63.
3. **Agirbas A.** 2014. Interfaces through Urban Boundaries, Manhattan Bridge, New York. InProcess GAUD+PSPD - Pratt Architecture Yearbook, Issue 19, pp.89.
4. **Agirbas A.** 2013. Multi-Media Art Center, Brooklyn Battery Tunnel Entrance to Manhattan, New York. InProcess GAUD+PSPD - Pratt Architecture Yearbook, Issue 18, pp.76-77.

Araştırmacı ID Bilgileri / *Researcher ID*
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Area of expertise: Computational Design, Computer Aided Architectural Design, Performance Based Design, Generative Design, Parametric Design

Araştırma Projeleri / *Research Projects*
DAAD supported Research Project, 2019. Berlin University of the Arts, Berlin, Germany.

Eğitim-Öğretim Görevleri / *Teaching Experience*
Dersler (Lisans) / *Undergraduate Courses*:
2021 – cont. Parametric Design, Architectural Design Studio III (Ozyegin University, Istanbul, Turkey)
2017 – 2021 Architectural Design Studio I-V (Fatih Sultan Mehmet Vakif University, Istanbul, Turkey)
2014 – 2021 Computer Aided Design II, Parametric Design, 3D Modelling and Animation (Fatih Sultan Mehmet Vakif University, Istanbul, Turkey)
2016 – 2017 Architectural Design Studio III (Ozyegin University, Istanbul, Turkey)
2014 – 2017 Introduction to Parametric Design, 3D Modelling and Animation (Mimar Sinan Fine Arts University, Istanbul, Turkey)

Dersler (Lisansüstü) / *Postgraduate Courses*:
2021 – cont. Computational Design in Architecture (Ozyegin University, Istanbul, Turkey)
2017 – 2021 Computer Applications in Architecture (Fatih Sultan Mehmet Vakif University, Istanbul, Turkey)
2013 – 2013 Parametric Design, Teaching Assistant (Graduate School of Architecture, Pratt Institute, Brooklyn, New York, USA)

Danışmanlık (Lisansüstü) / *Postgraduate Thesis Supervision*:
2019 – 2021 2 Master Students (thesis completed) Institute of Graduate Studies, Division of Architecture, Fatih Sultan Mehmet Vakif University, Istanbul, Turkey
2019 – 2021 1 Master Student (thesis completed) Institute of Graduate Studies, Division of Interior Design, Fatih Sultan Mehmet Vakif University, Istanbul, Turkey

Bilimsel Hakemlikler / *Scientific Refereeing*
Reviewer for *Indoor and Built Environment* **[Index: SCI-E]**
- *August 2021,* Blind Peer Review of an Article
- *Feb 2021,* Blind Peer Review of an Article

Reviewer for *Engineering, Construction and Architectural Management* **[Index: SSCI, SCI-E]**
- *July 2021,* Blind Peer Review of an Article
- *Feb 2021,* Blind Peer Review of an Article
- *Jan 2021,* Blind Peer Review of an Article
- *July 2020,* Blind Peer Review of an Article
- *Dec 2019,* Blind Peer Review of an Article

Reviewer for *Journal of Asian Architecture and Building Engineering* **[Index: SCI-E, AHCI]**
- *July 2021,* Blind Peer Review of an Article
- *Feb 2021,* Blind Peer Review of an Article

Reviewer for *Artificial Intelligence for Engineering Design,Analysis and Manufacturing* **[SCI-E]**
- *May 2020,* Blind Peer Review of an Article

Reviewer for *Nexus Network Journal* **[Index: SCI-E, AHCI]**
- *May 2020,* Blind Peer Review of an Article
- *Oct 2019,* Blind Peer Review of an Article
- *May 2019,* Blind Peer Review of an Article
- *March 2019,* Blind Peer Review of an Article

Reviewer for *Advances in Mechanical Engineering* **[Index: SCI-E]**
- *May 2019,* Blind Peer Review of an Article
- *April 2019,* Blind Peer Review of an Article
- *Sep 2018,* Blind Peer Review of an Article
- *August 2018,* Blind Peer Review of an Article

Reviewer for *URBAN DESIGN International* **[Index: AHCI, SSCI]**
- *May 2019,* Blind Peer Review of an Article
- *August 2017,* Blind Peer Review of an Article

Reviewer for *Architectural Science Review* **[Index: AHCI]**
- *Oct 2018,* Blind Peer Review of an Article

Reviewer for *Austrian Science Fund (FWF)*
- *Sept 2021,* Review of a research proposal

Reviewer for *The Executive Government Agency of National Science Centre, Poland, EU*
- *Oct 2018,* Review of a research proposal

Reviewer for *Smart and Sustainable Built Environment* **[Index: E-SCI, Scopus]**
- *August 2021,* Blind Peer Review of an Article
- *June 2021,* Blind Peer Review of an Article
- *April 2021,* Blind Peer Review of an Article

Reviewer for *Journal of Architecture and Urbanism* **[Index: Art]**
- *Oct 2019,* Blind Peer Review of an Article

Diğer Deneyimler / *Other Experience*
Awards & Fellowships
- 2019 Research Stays for University Academics and Scientist, DAAD (German Academic Exchange Service) Scholarship
- 2018 – 2021 International Scientific Publication Grant for Academics, (multiple times) The Scientific and Technological Research Council of Turkey
- 2016, 2021 Scientific Meetings Grant for Young Researchers, The Scientific and Technological Research Council of Turkey
- 2015 First Prize, International Young Architects' Ideas Awards, UIA (The International Union of Architects)
- 2014 Second Prize, 3D Design of the Year, organised by 3Dortgen company
- 2013 Excellence in Academic Achievement Award, Pratt Institute, New York, USA
- 2012 Graduate Scholarship, Pratt Institute, New York, USA

- 2012 Jury Special Award, The Works of Architect Sinan (Poster Design), organised by The Chambers of Turkish Architects, Turkey
- 2011 Erasmus Scholarship, Student Mobility for Studies (Politecnico Di Bari, Italy), Mimar Sinan Fine Arts University, Istanbul, Turkey
- 2010 Erasmus Scholarship, Student Mobility for Placements, Mimar Sinan Fine Arts University, Istanbul, Turkey

Agirbas CV updated on 01.2022