



Assoc. Prof. Gülru KOCA
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- 1. Name:** Gülru KOCA
- 2. Birth Date:** 27.09.1978
- 3. Academic Title:** Associate Professor

4. Education:

Degree	Department	University	Dates
BS	Architecture	Istanbul Technical University	1996-2000
MS	Architecture / Environmental Control and Construction Technologies	Istanbul Technical University	2001-2004
PhD	Architecture / Construction Sciences	Istanbul Technical University	2004-2010

5. Academic Titles

Title	University, Department	Year
Research Assistant	Department of Interior Architecture and Environmental Design, Fine Arts Faculty, Yeditepe University	2004-2008
Instructor	Department of Interior Architecture and Environmental Design, Fine Arts Faculty, Işık University	2008-2011
Assistant Professor	Department of Interior Architecture and Environmental Design, Fine Arts Faculty, Işık University	2011-2020
Associate Professor	Department of Interior Architecture and Environmental Design, Fine Arts Faculty, Işık University	2020-...

6. Supervised Master and PhD Theses

6.1. Thesis

- **Merve Kartal**, “Ecological Evaluation of Frequently Used Materials in Building”, MSc., Işık University, Department of Interior Architecture, 2018 (in Turkish)

- **Esma Didem Şen Coşgun**, “Importance of Green Buildings in Terms of Sustainability and the Analysis of Turkish Contractors Building”, MSc, Işık University, Department of Interior Architecture, 2019 (in Turkish).
- **Meysera Uzuner**, "Evaluation of Wooden Materials in Furniture Design; The Example of Bursa İnegöl Furniture Companies", MSc, Işık University, Department of Interior Architecture, 2020 (in Turkish).
- **Selver Damla Çomak**, "Effect of Finishing Elements on Human Psychology and Space Perception in Interior Design", MSc, Işık University, Department of Interior Architecture, 2020 (in Turkish).
- **Alper Küçük**, "Universal Design (Inclusive Design) Principles and the Evaluation of Ayazağa Işık Primary School in the Context of these Principles", MSc., Işık University, Department of Interior Architecture, 2020 (in Turkish).
- **Yağmur Tayşi**, “Examination and Evaluation of Natural Stone Deterioration Signs on Selected Hotel Buildings”, MSc., Işık University Department of Interior Architecture, 2021 (in Turkish).
- **Melike Nur Hanaylı**, “Evaluation Of Historic Edincik Houses within the context of the Conservation of Cultural and Architectural Heritage”, MSc., Işık University Department of Interior Architecture, 2021 (ongoing) (in Turkish).

7. Publications

7.1. SCI, SCI-Expanded, SSCI, AHCI or stated field indexes (The Avery Index, DAAI, Art Index, ICONDA, Ergo-Abs)

- **Koca G.**, “Using Ecologic Materials in Urban Parks”, Yapı Journal, April, 2016, 413, pp. 142-146, Design Applied Arts Index (DAAI). (in Turkish)
- **Koca G.**, “Structural and Environmental Effects of Green Walls and Roofs”, Yapı Journal, April, 2018, 436, pp. 60-65, Design Applied Arts Index (DAAI). (in Turkish)
- **Koca G.**, Arıoğlu N., As N., “The Effect of Cyclic Relative Humidity Exposure, Sanding, and Grooving on the Dimensional Stability of Solid Wood Parquet”, A/Z ITU Journal of the Faculty of Architecture, 15(3), pp. 81-90, 2018. DOI: 10.5505/itujfa.2018.50570. Design Applied Arts Index (DAAI), Avery Index to Architectural Periodicals, International Construction Database (ICONDA)
- **Koca G.**, “Evaluation of Traditional Şirince Houses According to Sustainable Construction Principles”, ICONARP International Journal of Architectural Planning, 7(1), s. 30-49, 2019. DOI: 10.15320/ICONARP.2019.65. E-ISSN: 2147-9380. Emerging Sources Citation Index (ESCI), International Construction Database (ICONDA)

7.2. Other International Peer-Reviewed Journal Publications

- **Koca G.**, As N., Arıoğlu N., “Effect of Some Factors on Solid Wood Parquet’s Geometrical Stability”, Istanbul University Journal of the Faculty of Forestry, 63, pp. 33-

42, 2013. DOI: 10.17099/jffiu.91429. Emerging Sources Citation Index (ESCI). (in Turkish)

- **Koca G.**, Dündar T., As N., “Using Ultrasonic Stress Wave Technique to Evaluate Structural Timber Members of an Old Masonry Building”, *Kastamonu University Journal of Faculty of Forestry*, 18(3), pp. 341-379, 2018. DOI: 10.17475/kastaorman.499081. Emerging Sources Citation Index (ESCI).

7.3. International Conference Papers

- **Koca G.**, “Different Garden Types and Material Use for Interior Organizations”, 2. IFAS International Fine Arts Symposium, pp. 972-983, November 12-13, 2015, Selçuk University, Konya.
- **Koca G.**, Dündar T., As N., “Evaluation of the Old Timber Members of a Masonry Building by Using Ultrasonic Test Together with Destructive Test Methods”, 20. International Nondestructive Testing and Evaluation of Wood Symposium”, pp. 271-277, September 12-15, 2017, USDA Forest Service Forest Products Laboratory (FPL), Wisconsin, USA.
- **Koca G.**, “Non-Destructive Evaluation of Timber Members of Old Masonry/Timber Buildings”, 5. Reuso – “International Conference on Documentation, Conservation and Restoration of the Architectural Heritage and Landscape Protection”, pp. 193-198, October 18-21, 2017, Granada University, Granada, Spain.
- **Koca G.**, “Seismic Resistance of Traditional Wooden Buildings in Turkey”, 6. Reuso – International Conference on Documentation, Conservation and Restoration of the Architectural Heritage and Landscape Protection, pp. 551-560, October 11-13, 2018, Messina University, Messina, Italy.
- **Koca G.**, Dündar T., As N., “Using stress wave in the evaluation of structural wooden members as a sustainable intervention technique” 21th International Nondestructive Testing and Evaluation of Wood Symposium, pp. 48-56, September 24-27, 2019, Freiburg, Germany.
- **Koca G.**, “Sustainable Interventions for Traditional Buildings in Earthquake Prone Regions of Turkey” 5th International Conference on Structural Health Assessment of Timber Structures, pp. 237-246, September 25-27, 2019, Guimarães, Portugal.
- **Koca G.**, “Improving Thermal and Visual Performance of Buildings by Using Timber Envelopes; Learning from Traditional Architecture”, Construction, Energy, Environment & Sustainability Conference CEES 2021, October 12 – 15 2021, Coimbra, Portugal.

7.4. Book Chapters

- **Koca G.**, “Interior Finishing Materials”, *Developments in Science and Engineering*, pp. 588-601, (ed. R. Efe, L. Matchavariani, A. Yaldir, L. Levai), St. Kliment Ohridski University Press, Sofia, ISBN: 978-954-07-4137-6, December 2016.

- **Koca G.**, “Ecological Properties of Wooden Building Materials”, Science, Ecology and Engineering Research in the Globalizing World, pp. 134-144, (ed. I. Christov, E. Strauss, A. Gad, I. Curebal), St. Kliment Ohridski University Press, Sofia, ISBN: 978-954-07-4526-8, October 2018.
- **Koca G.**, “Evaluation of Wooden Structures”, Digital Wood Design: Innovative Techniques of Representation in Architectural Design, pp. 761-781, (ed. F. Bianconi, M. Filippucci), Springer, Switzerland, eBook ISBN: 978-3-030-03676-8, Hardcover ISBN: 978-3-030-03675-1, February 2019. DOI: 10.1007/978-3-030-03676-8_30

7.6. National Conference Papers

- **Koca G.**, As N., Arıoğlu N., “Wooden Exterior Cladding Materials”, 7. National Roof & Façade Symposium, pp. 15-23, April 3-4, 2014, Yıldız Technical University, İstanbul. (in Turkish)
- **Koca G.**, As N., “Wood as a Roof Material”, 8. National Roof & Facade Symposium, pp. 221-229, June 2-3, 2016, Mimar Sinan Fine Arts University, İstanbul. (in Turkish)

7.7. Other Publications

- **Koca G.**, As N., “Wood as a Roof Material”, Journal of Roof and Facade, 66, pp. 48-54, 2017.

Thesis

MSc Thesis

Title: A Research on the Mechanical Properties of Cement-Sand Mortar Produced from Portland Cement, 2004 (in Turkish)

Advisor: Prof. Dr. Erol Gürdal, Istanbul Technical University, Architecture/Environmental Control and Construction Technologies.

PhD Thesis

Title: Dimensional Stabilization of Solid Wood Parquet, 2010. (in Turkish)

Advisor: Prof. Dr. Nihal Arıoğlu, Istanbul Technical University, Architecture/Construction Sciences.

Co-advisor: Prof. Dr. Nusret As, İstanbul University, Forest Industry Engineering.

8. Projects

8.2. Workshops

- “Spatial Organization”, Workshop Assistant, Yeditepe University, İstanbul, Turkey, December 12-14, 2007, (with Çetin M., Adamiak W.).
- “Redrawing the Landscape”, Workshop Coordinator, Pavia University, Gatteo, Italy, May 02-06, 2016, (with Parrinello S., Cipriani L., Pivetta M., Hattap S., Yardımlı S., Vital R.).

8.3. Architectural Competition Projects

- Design Competition for “Bursa İnegöl Municipal Services Building Design”, May 2016. (with Mehmet Serdar Koca, Gülşen Şahin, Murat Bozkurt, Aslıhan Avcı)
- Design Competition for “İzmir Selçuk Municipality, Youth and Culture Center Design”, November 2016. (with Regaip Adem, Pınar Adem)
- Design Competition for “Evka 3 Social Center and Transfer Station Design”, February 2017. (with Regaip Adem, Pınar Adem)

9. Administrative Tasks

- Faculty Committee Member, Işık University Faculty of Art, Design and Architecture, Department of Interior Architecture and Environmental Design (2021-...).
- Inter-university/Intra-university Transfer, Double Major and Minor Programs Commission Chair, Işık University Faculty of Art, Design and Architecture, (2021-...).
- Inter-university/Intra-university Transfer, Double Major and Minor Programs Commission Member, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2017-2021).
- Organizing and Archiving Exams Commission Member, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2017-...).
- Erasmus Coordinator of Interior Architecture Department, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2015-...).
- Graduate Program Acceptance Commission Member, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2015-...).
- Web Coordinator of Interior Architecture Department, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2013-...).
- Graduation Catalog Organization Commission Member, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2011-2016).

Jury Memberships (Academic)

- PhD of Forest Industry Engineering Thesis Jury, Istanbul University Cerrahpaşa, Department of Forest Industry Engineering, Title: "", 2021-... (in Turkish).
- Master of Forest Industry Engineering Thesis Jury, Istanbul University Cerrahpaşa, Department of Forest Industry Engineering, Title: "Wooden Building Industry in Turkey", 2019 (in Turkish).
- Interior Architecture 3 Project Jury, Istanbul Technical University, Department of Interior Architecture, Supervised by Ebru Ersöz, Fall 2019-2020.

- Master of Interior Architecture Degree Thesis Jury, Işık University, Department of Interior Architecture, Title: "The Effect of Technology on Residential Design and Smart House Design, Istanbul as a Case Study", 2019 (in Turkish).
- Journal of Architecture Sciences and Applications (MBUD), Reviewer, 2018.

Activities as part of Corporate Contribution

- Introduction of Interior Architecture Department, Hisar Educational Foundation, April 20, 2012.
- Introduction of Interior Architecture Department, Ulus Private Jewish School, December 13, 2013.
- Introduction of Interior Architecture Department, Işık Schools, April 16, 2014.

10. Scientific Memberships

- TMMOB, Chamber of Architects of Turkey Membership, Branch of Istanbul.

11. Awards

- 2. nd prize in Samsun 19 May Urban Design Competition, May 2017. (with Burak Ünder, Regaip Adem, Arzu Kutkam, Çağlar Fırat Öztürk)

12. Instructed courses in the last three years

Academic year	Term	Course	Weekly hours		Number of students
			Theory	Application	
2018-2019	Fall	Construction Project	2	2	100
	Spring	Materials	3	0	65
		Construction Project	2	2	20
		Graduate Seminar	NC	0	14
2019-2020	Fall	Construction Project	2	2	70
	Spring	Materials	3	0	63
		Construction Project	2	2	11
2020-2021	Fall	Construction Project	2	2	38
		Environmental Control	3	0	15
		Building Performance and Environmental Factors	3	0	15
	Spring	Materials	3	0	70
		Environmental Control	3	0	20
		Construction Project	2	2	6
		Building Performance and Environmental Factors	3	0	6

13. Other

Jury Memberships (Competitions)

- Arkitera Building Material Award, Member, 2019.

Language Skills

- English: Fluent (speaking, reading, writing)
- Italian: Intermediate (reading, writing)

Work Experience

- 2010-..., Consultant, Nova Sultani Architectural Firm, Istanbul, Turkey.
- 2005-2010, Consultant, Idemim Architectural Firm, Istanbul, Turkey.
- 2004-2008, Research Assistant, Yeditepe University Fine Arts Faculty, Department of Interior Architecture, Istanbul, Turkey.
- 2001-2003, Editor, Arkitera Architecture Center, Istanbul, Turkey.
- July-August 1999, Intern Construction Site Architect, Baytur Construction Company, Istanbul, Turkey.
- June- August 1998, Intern Architect, Cengiz Eruzun Architectural Firm, Istanbul, Turkey.

14. Research Interests

Interior Finishing Materials, Properties of Building Materials, Timber Building Materials, Evaluation of Building Materials, Non-Destructive Testing, Evaluation of Timber Building Materials, Defect Assessment of Building Materials, Structural Reliability, Sustainability in Materials.