



Assistant Professor Gülru KOCA
Işık University
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- 1. Name:** Gülru KOCA
- 2. Birth Date:** 27.09.1978
- 3. Academic Title:** Assistant 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, Fine Arts Faculty, Işık University | 2011-... |

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).

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.

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., Arıođlu N., “Wooden Exterior Cladding Materials”, 7. National Roof & Faade 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 Grdal, 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 Arıođlu, 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 etin 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 İnegl Municipal Services Building Design”, May 2016. (with Mehmet Serdar Koca, Glşen Şahin, Murat Bozkurt, Aslıhan Avcı)
- Design Competition for “İzmir Seluk 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

- Transfer Between Foreign Programs, Double Major and Minor Commission, Işık University, Faculty of Fine Arts, Interior Architecture Department, (2017-...).
- 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)

- Master of Forest Industry Engineering Thesis Jury, Istanbul University Cerrahpaşa, Department of Forest Industry Engineering, "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, "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 | |
| 2017-2018 | Fall | Application Project | 2 | 2 | 100 |
| | Spring | Materials | 3 | 0 | 65 |
| | | Application Project | 2 | 2 | 20 |
| | | Building Performance and Environmental Factors | 3 | 0 | 12 |
| 2018-2019 | Fall | Application Project | 2 | 2 | 100 |
| | Spring | Materials | 3 | 0 | 65 |
| | | Application Project | 2 | 2 | 20 |
| | | Graduate Seminar | NC | 0 | 14 |
| 2018-2019 | Fall | Application Project | 2 | 2 | 70 |
| | Spring | Materials | 3 | 0 | 63 |
| | | Application Project | 2 | 2 | 11 |

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.