

FATMA ÖZDOĞAN

PhD Candidate | Architect MSc, MA | Researcher in Disaster Risk Management and Sustainable Urban Development | GIS Specialist | PMP

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Faculty Profile: [Fatma Ozdogan - Aménagement - Université de Montréal](#)

PROFILE

Fatma Özdoğan is an accomplished architect and researcher with a diverse portfolio of projects in Qatar, Azerbaijan, and Türkiye, along with research experience in Türkiye, Canada, Colombia, and Lebanon. She holds a master's degree from Yıldız Technical University in Türkiye, where her research focused on integrating disaster risk reduction into architecture education. Later, she was awarded the Martin Wilkinson Scholarship at Oxford Brookes University in the United Kingdom, where she investigated the effects of conflict-induced migration on urbanization in Türkiye.

Currently, she is pursuing a PhD at School of Architecture in Université de Montréal in Canada. Her research explores the relationship between disaster narratives, risk management, and reconstruction strategies in Türkiye. She is also conducting research on post-flooding governance in Canada. Her research interests are sustainable reconstruction, urban resilience, and risk-based urban development. Through her interdisciplinary approach, she aims to bridge the gap between policy and practice, contributing innovative solutions for resilient urban development and sustainable reconstruction in disaster-prone regions.

In addition to her research, she teaches courses on disaster memory, sustainable urban development, and disaster studies at Bahçeşehir University in Türkiye.

EDUCATION & QUALIFICATIONS

Université de Montréal – School of Architecture, Interdisciplinary Planning PhD Program
.....2023 – 2027

Oxford Brookes University – Development and Emergency Practices CENDEP MA.....2016 - 2017

Yıldız Technical University – Building and Construction MSc2014 - 2016

Yıldız Technical University – Architecture Bachelor's Degree BSc.....2006 – 2010

IOM International Organization for Migration Prague Summer School on Migration.....July 2017

University of Oxford – Introducing Mapping, Spatial Data & GISMarch 2022

University of California, Davis, USA – Fundamentals of GISJuly 2022

University of California, Davis, USA – GIS Data Formats, Design and QualitySeptember 2022

Middle East Technical University Continuing Education Centre – BIM Management....March 2023

Project Management Institute – PMP Credential ID 2931309

U.S. Green Building Council – LEED Green Associate Credential ID 0011207417

WORK EXPERIENCE

Teaching Assistant | Université de Montréal | CANADA

since Sept. 2023

In this role, I support the course "Les méthodologies de la recherche - Research Methodologies," led by Professor Anne Marchand, which equips students with essential research methodologies and tools in both fundamental and applied research. My responsibilities include assisting in the development and delivery of seminar content, guiding students through the process of designing research projects, and facilitating discussions on qualitative and quantitative research methods. I also provide personalized support to students as they navigate complex topics such as epistemology, data collection, and analysis.

Researcher | Université de Montréal | CANADA

since Jan. 2023

Since the beginning of my PhD studies, I have been an integral member of GRIF research group. This collaborative engagement has enriched my academic experience, allowing me to contribute to and grow within interdisciplinary teams. Our collective efforts are dedicated to advancing the fields of sustainable development and disaster management, with a focus on innovative solutions and strategic planning for resilient communities.

GRIF is research group focuses on project management and construction systems analysis to enhance sustainable development practices. We examine the unique dynamics of the building industry, which relies on temporary, highly specialized teams. These teams navigate complex interests and relationships among diverse stakeholders, making negotiation a key aspect of project planning. Our work aims to unravel this complexity, fostering collaborative scenarios that facilitate effective participation, negotiation, and interaction among all parties involved. We strive to answer the critical questions of roles, timing, and methodology within these intricate networks.

Œuvre Durable (The Disaster Resilience and Sustainable Reconstruction Research Alliance) is a multi-university research team focused on vulnerability, resilience and sustainable reconstruction. It analyses living environments through the theoretical and empirical approaches of vulnerability and resilience in the context of major disruptions, such as disasters, climate change and variability, socio-political conflicts, and major threats to existing economic stability.

Visiting Lecturer | Bahçeşehir University | TÜRKİYE

since Jan. 2023

Bahçeşehir University (BAU) is a private educational institution in Türkiye, located around the Bosphorus in Istanbul. The university consists of 8 faculties, 1 school of languages and 2 vocational schools. Four institutes provide post-graduate education. There are 17,048 registered students studying at the university. In alignment with my research themes, I have designed two courses for the university's architecture faculty. they serve as a bridge between theoretical knowledge and real-world applications, preparing students to tackle contemporary challenges in architecture with a research-informed perspective:

Course I - Disasters, Development and Architecture: The course aims to introduce the terminology and ongoing discussions on Sustainable Urban Development and Disaster Management. It explores the relationship between development and disasters and presents the role of architecture and urban planning in these concepts.

Course II – Artefacts of Disaster Memory: This course is designed to equip students with a comprehensive understanding of the complex aspects involved in designing memorial spaces for disasters. Its goal is to cultivate a holistic grasp of disaster memorials, nurturing socially responsible architects and designers who can create spaces that promote healing, remembrance, and resilience in the aftermath of disasters.

Project Coordinator and Researcher | Türkiye Earthquake Memory Project

McGill University | CANADA

May 2024 – October 2024

The project, led by Dr. İpek Türeli, Canada Research Chair in Architectures of Spatial Justice at the Peter Guo-hua Fu School of Architecture, and funded by The Internal Social Sciences and Humanities Development Grant, aims to create an extensive archive documenting Türkiye's 100-year earthquake history. By establishing a comprehensive earthquake memory archive, we aimed to honour the past, empower the present, and shape a more resilient future for Türkiye and beyond. This research represents a crucial step towards fostering a culture of remembrance and learning in the face of disaster, ultimately contributing to more effective disaster risk reduction and resilience-building efforts worldwide.

As the Project Coordinator and Researcher, I played a pivotal role in ensuring the success of the initiative. My responsibilities included:

- Overseeing the collection of archival materials, existing literature, and historical data on earthquakes in Türkiye.
- Assigning tasks and providing technical guidance to undergraduate students involved in the project.
- Assisting with the preparation of grant applications and managing various administrative tasks, such as organizing meetings with stakeholders and presenting research findings.

My work ensured the project's goals to be met efficiently, fostering a deeper understanding of earthquake impacts and contributing to the development of more resilient communities.

Project Design Manager | Tekfen Construction and Installation | QATAR

September 2018- Dec 2023

Tekfen Construction and Installation Co., as an affiliate of Tekfen Holding Co., Inc., is a respectable signature as an international contractor with major accomplishments in Türkiye, the Middle East, North Africa, Caucasia & Central Asia, East & Central Europe.

Al Thumama Stadium is steeped in the culture, history and symbolism of Qatar and the region. This 40,000-seat stadium hosted FIFA World Cup Qatar 2022™ matches through to the quarterfinals.

- Stakeholder management, including the coordination between the client, subcontractors, interdepartmental works.
- BIM Management, Asset Register & COBie coordination, submission, and approval
- Design Progress Planning and Reporting
- Claim Management/ Change Management

Fieldwork Researcher – CENDEP Oxford Brookes University | COLOMBIA

February 2017

Climate Change Adaptation and Conflict-Related Internal Displacement and Observatory of Symbolic Violence.

Responsible for conducting interviews with the local communities, and created datasets and analyse the collected information at the end of the field research

Fieldwork Researcher – CENDEP Oxford Brookes University | LEBANON

May 2017

Refugees in fragmented towns and impacts with a focus on recognition in Lebanon.

Responsible for the conducting interviews with the Syrian Refugees in Lebanon and local community effected by migration movement from Syria.

Project Design Manager | Historical Buildings Coordinator | OHL | TÜRKİYE

Sep 2015 to Aug 2016

OHL–Obrascon Huarte Lain S.A. is a Spanish multinational construction and civil engineering company. The company is involved in infrastructure and commercial property construction, homebuilding and the operation of toll road and other transport concessions. OHL also has a majority-owned American subsidiary called OHL USA which is based in College Point, New York.

CR3 Marmaray Project (Railway) is the upgrading of existing 63 km long railway on both Asian and European shores to connect with the 14 km Bosphorus tube crossing, creating a total of 77 km long cross-city commuter corridor connecting between Europe and Asia.

- Responsible for design management of the Historical Buildings and Railway Stations conversation projects.
- Coordination of the archaeological works for Kucukcekmece Station
- Site coordination of transportation and restoration of historical buildings and stations of European side

Design Coordinator | Tekfen Construction and Installation Co. | AZERBAIJAN

Aug 2013 to Sep 2015

Baku Olympic Stadium is designed and constructed to meet the international standards for stadiums set by the Union of European Football Associations (UEFA), the International Federation of Association Football (FIFA) and the International Association of Athletics Federations (IAAF). It is the largest stadium in Azerbaijan.

- Coordination of architectural and interior design related subcontractors and site activities
- Stakeholder management & Design Management for the Interior Design, Roof and Façade, Architectural Finishes Works, Kitchen, Sauna

Design Manager / Consultant | Teknik Yapi Engineering Consultancy | TÜRKİYE

Jun 2011 to Aug 2013

Teknik Yapi Engineering Consultancy is an innovative engineering and architecture design company founded in Istanbul.

- Responsible for architectural design works management in the railway structures, sports complexes, science, and technology centres, medium to high-rise buildings, public & social buildings -education buildings
- Interdisciplinary coordination between MEP & Structural Teams effecting the architectural works

Cost Consultant (Off-Site Construction| Yapi Merkezi (YM) Prefabrication Inc. | TÜRKİYE

Sep 2010 to Jun 2011

YM, with a confidence originating from half a century of experience, is a rising value of Türkiye with its investments, equity, and thousands of family members, as well as its successful history, ranked 78th in the 2020 list of “Top International 250 Contractors” published by ENR (Engineering News Record),

- Cost review and assessment prefabrication process, market investigation for off-site construction products which can be prefabricated, supply chain coordination

PUBLICATIONS

- **Özdoğan, F., Lizarralde, G., Djemel, M., & Gachon, P. (2024).** La nouvelle réglementation sur les zones inondables au Québec devra répondre à des enjeux éthiques. La Conversation. <https://theconversation.com/la-nouvelle-reglementation-sur-les-zones-inondables-au-quebec-devra-repondre-a-des-enjeux-ethiques-232648>

- **Özdoğan, F., Lizarralde, G., & Herazo, B. (2024).** The Politics of Land Management After Disasters: The Case of Post-Earthquake Reconstruction in Türkiye. *Disaster Prevention and Management*. <https://doi.org/10.1108/DPM-12-2023-0320>
- **Özdoğan, F., & Lizarralde, G. (2024).** Turkey's push for post-earthquake reconstruction puts speed over housing quality. *The Conversation*. <https://theconversation.com/turkeys-push-for-post-earthquake-reconstruction-puts-speed-over-housing-quality-217256>
- **Özdoğan, F., Lizarralde, G. & Herazo, B. (2023)** Flawed Foundations for Radical Change: Land Management after Disasters in Türkiye. *i-Rec Conference 2023: Tensions Between Tradition and Innovation in Disaster Risk Reduction, Climate Action, and Reconstruction: Reflecting on Tohoku's Recovery Twelve Years Later*, 80-81. Available at: https://irides.tohoku.ac.jp/media/files/event/event/iRec2023/i-Rec2023_Abstracts.pdf
- **Özdoğan, F., & Guney, D. (2016)** The importance of architecture education for disaster mitigation. *11 International Conference on Urban Regeneration and Sustainability (SC 2016)*, <http://dx.doi.org/10.2495/SC160321>.
- **Özdoğan F., Guney, D. (2016)** The Role of Architecture Education in Natural Disaster Mitigation, *2nd International Conference on Architecture, Structure and Civil Engineering, (ICASCE'16)*, London (UK), March 26-27, 2016. *Proceedings of ICASCE'16*, ISBN 978-93-84422-62-2, [10.17758/UR.U0316305](https://doi.org/10.17758/UR.U0316305)
- **Guney, D., Özdoğan F. (2012)** Evaluation of Structural Damages 23 October and 09 November 2011 Earthquakes in Van Turkey. *Sofia, 12th International Scientific Conference VSU*.

PRESENTATIONS

- **Innovate4Cities Conference, Montreal, Canada (2024)** - Global Covenant of Mayors & UN-Habitat Presentation title: *Rebuilding Lives: Women in Recovery After the 2023 Southeastern Earthquakes in Türkiye*.
- **AMPS, Universitat Politècnica de Catalunya, Barcelona, Spain (2024)** - Urban Futures - Cultural Pasts: Sustainable Cities, Cultures & Crafts Conference. Presentation title: *Artefacts of Disaster Memory: Understanding Disaster Memorials in Türkiye*.
- **i-Rec (Information and Research for Reconstruction) (2023), Japan** - Tensions Between Tradition and Innovation in Disaster Risk Reduction, Climate Action, and Reconstruction Conference: Reflecting on Tohoku's Recovery Twelve Years Later. Presentation title: *Flawed Foundations for Radical Change: Land Management after Disasters in Türkiye*.
- **University of Oregon, USA (2024)**, A seminar on *The Gap Between Policy and Implementation: Exploring Turkey's Approach to Disaster Risk Reduction in Recovery Phases*, as a visiting lecturer for the course Disaster Planning and Policy at the School of Planning, Public Policy, and Management.
- **Université de Montréal, Canada (2024)**, A seminar on *Global Frameworks and Local Facts: Unveiling the Dynamics of Disaster Risk Reduction Efforts*, as a visiting lecturer for the course Architecture, cultures et globalization at the School of Architecture, Planning Department.
- **SC 2016, Spain:** 11th International Conference on Urban Regeneration and Sustainability– Presentation Title: *The importance of architecture education for disaster mitigation*
- **ICASCE'16, United Kingdom:** 2nd International Conference on Architecture, Structure and Civil Engineering, London, United Kingdom. Presentation Title: *The Role of Architecture Education in Natural Disaster Mitigation*

- **12th International Scientific Conference VSU Sofia Bulgaria (2016)** – Presentation Title: *Evaluation of Structural Damages 23 October and 09 November 2011 Earthquakes in Van Turkey*

FELLOWSHIPS and SCHOLARSHIPS

- 2024 Climate Action Scholarship Program, Quebec Research Fund (FRQ), *April 2024 – December 2024*
- Special financial support scholarship Université de Montréal – ESP – *April 2024*
- Welcoming Scholarship, Graduate Level, Université de Montréal – *March 2023*
- Influence Scholarship, Université de Montréal – *October 2024*
- Influence Scholarship, Université de Montréal – *June 2023*
- International Students’ Tuition Fee Exemption Scholarship, Université de Montréal *January 2023 – January 2027*
- Martin Wilkinson International Students Scholarship, Oxford Brookes University Faculty of Technology, Design and Environment *2016–17*
- Prime Minister’s Scholarship, Office of the Prime Ministry, Republic of Türkiye, *September 2006 – June 2010*

VOLUNTEER EXPERIENCE

- Consultant at Collective Mindset Antakya, Türkiye: An architect-led civil initiative which was established to support the post-earthquake reconstruction efforts following the devastating earthquake in Türkiye in 2023– *since May 2023*
- Search and Rescue Team member at GEA Türkiye – *since 2010*
- Volunteer Aktifelsefe Türkiye: A community-based NGO, in addition to their activities on ecology and culture working in the humanitarian field mainly in the areas effected by disasters– *since 2010*
- Oxford Human Rights Festival Committee Member at Oxford Brookes University. *January 2017 – June 2017*

LANGUAGES

- **Turkish** – Native Language
- **English & French** – Fluent
- **Spanish** – Communication Level [Intermediate]

SOFTWARE SKILLS

AutoCAD, Revit, COBie, ArcGIS Pro, ArcGIS Online, ArcGIS Desktop, Navisworks, Sketch Up, Adobe Photoshop, Space Syntax, MassMotion (Crowd Modelling).