

FARHANA FERDOUS, Ph.D., Assoc. AIA

Department of Architecture, College of Engineering and Architecture

Phone: 202-806-7431 | Email: farhana.ferdous@howard.edu |

Website: <http://ferdousf.wix.com/ferdous> <https://profiles.howard.edu/farhana-ferdous>

ORCID ID: <https://orcid.org/0000-0003-1622-2516>. <https://orcid.org/0000-0003-1622-2516>

EDUCATION

2012 Ph.D., Architecture and Environmental Design

- Faculty of Architecture, Design and Planning, the University of Sydney, Australia
- Research Title: The Evaluative Image of Urban Plazas: Urban Morphology, Aesthetic Response, Social Use

2007 Master of Architecture and Urbanism

- Faculty of Architecture, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
- 1st Class 1st in graduating class
- Research Title: A Morphological Analysis of the Indigenous Spatial Pattern in Old Dhaka with Particular Emphasis on 'Cultural Spaces'.

ACADEMIC POSITIONS

- **2023 - Present: Associate Professor**
Department of Architecture
College of Engineering and Architecture
Howard University, USA
- **2017- 2023: Assistant Professor**
Department of Architecture
College of Engineering and Architecture
Howard University, USA
- **2013- 2017: Lecturer, (Global Urbanism Faculty Fellow)**
School of Architecture, Design & Planning
The University of Kansas, USA
- **2011- 2014: Post Doc Researcher (Healthcare Architecture)**
School of Architecture, Design & Planning
The University of Kansas, USA
- **2009 - 2011: Teaching Assistant, Research Assistant and Tutor**
Faculty of Architecture, Design and Planning,
The University of Sydney, Australia
- **2007- 2011: Assistant Professor**
Department of Architecture,
Bangladesh University of Engineering and Technology (BUET)

ACADEMIC AWARDS & FELLOWSHIPS

- 2022** ARCC New Researcher Award
- 2021** Innovations in Pedagogy/ Teaching Fellowship, History Maker
- 2021** Summer Academy Junior Faculty Writing Workshop, Howard University
- 2016** Global Urbanism Faculty Fellow, The University of Kansas
- 2013** GIA (Grant Makers in Aging) Fellowship
- 2013** The American Association of University Women (AAUW) International Fellowship
- 2011, 2010 and 2009** PRSS (Post Graduate Research Scheme), University of Sydney Grant for presenting papers at international peer reviewed conferences and commencing research work
- 2008** Endeavour Post Graduate Award (EPA), Australian Government Scholarship (for 4 years)
- 2006** National Logo Design Award
For United Hospitals Ltd., Dhaka, Bangladesh
- 2004** *Shamsun Nahar Khanam* Memorial Gold Medal
For securing highest marks in BUET, Dhaka, Bangladesh
- 2003** *Sharfuddin Khan* Merit Scholarship
Merit scholarship for excellent result in level 5, term 1, BUET, Dhaka, Bangladesh
- 2000- 2003** University and *Ahsanur Rahman* Merit Scholarship
Eight times during undergraduate study, BUET, Dhaka, Bangladesh

RESEARCH INTERESTS & AREAS OF SPECIALIZATION

- Behavior and Psychology in Built Environments with a Focus on Elderly Care
- Healthcare Architecture, Memory Care and Assisted Living Facilities
- Healthy Communities and Healthy Urbanism
- Environment Behavior and Evidence-based Design
- Urban Morphology and Spatial Morphological Analysis

FUNDED RESEARCH PROJECTS/GRANTS

- 2022-24 National Endowment for the Humanities (Diversity Grant) (\$60,000)**
Title: Urbanization, Urbanicity, and Wellbeing in the City of Baltimore
- 2022-23 Graham Foundation Grant (PI, Research Grant) (\$9,000)**
Title: The (pathogenic)-CITY: A History of Urbanization, Minority Health and Racial Disparities in American Landscape (1900s to present)
- 2022-24 Alzheimer's Association Research Grant for Diversity (PI, Research Grant)**
AARGD-21-852381(\$119,974.20)
Title: Development of a Valid Spatial Environment Assessment tool (SEAL) for LTCFs
- 2017-18 Academy of Architecture for Health Foundation (AAHF) (PI, Research Grant) (\$10,000)**
Title: Positive Health Outcomes by Environmental Design: The role of spatial

- configuration in designing physical environment for people with dementia
- 2017-19 Toyota Individual Research Grant (PI, Research Grant) (\$10,000)**
Title: Positive Health Outcomes by Environmental Design: The role of spatial configuration in designing physical environment for dementia
- 2016 Service Learning Grant by Center for Civic and Social Responsibility**
In support of teaching a course (Designing Sustainable Future) focusing on service learning aspect at the University of Kansas
- 2013-14 Alzheimer's Disease Center (University of Kansas as Postdoc Fellow)**
Title: Neighborhood Walkability and Sedentary Behavior in Alzheimer's Disease
- 2012-13 Office of Research and Graduate Studies: Strategic Initiatives Grant (University of Kansas as Postdoc Fellow)**
Title: Resilient Lifestyles for Older Adults
- 2009-11 Post Graduate Research Support Scheme The University of Sydney (Principal Investigator)**
Title: Evaluative Image of Urban Plazas: Urban Morphology, Aesthetic Response and Social Use.

SELECTED PAPERS & PUBLICATIONS

Edited Book

- **Ferdous, F., Roberts, E. (Ed) (2023):** “(Re)designing the Continuum of Care for Older Adults: *The Future of Long-Term Care Settings*”. ISBN: 978-3-031-20970-3 Springer Publication. <https://link.springer.com/book/10.1007/978-3-031-20970-3>
- **Ferdous, F. & Bell, B. (Ed) (2021)** All In: All-Inclusive Engagement in Architecture. Routledge Publication. <https://doi.org/10.4324/9780367341985>

Book Chapters

- **Ferdous, F., Julie L., Kapila S. (2019)** Sustainable Urbanism and Historic Urban Landscape Conservation. In Kapila Silva (Ed) *The Routledge Handbook on Historic Urban Landscapes in the Asia-Pacific*, Routledge, Chapter 21, page 363-376. <https://www.routledge.com/The-Routledge-Handbook-on-Historic-Urban-Landscapes-in-the-Asia-Pacific/Silva/p/book/9781032400808>
- **Ferdous, F. (2017)** The Historic Urban Landscape of Old Dhaka, Bangladesh. In Amita Sinha and Kapila Silva (ed.) *Cultural Landscapes of South Asia: Studies in Heritage Conservation and Management*, Routledge, page 76-91. <https://www.routledge.com/Cultural-Landscapes-of-South-Asia-Studies-in-Heritage-Conservation-and/Silva-Sinha/p/book/9781138601574>
- **Ferdous, F. & Rahman. M. (2015)** Chawk Bazaar and Shankhari Bazaar: Morphology of two organically developed cultural spaces of Old Dhaka. In M. Rahman (ed.) *Dhaka: An Urban Reader*, The University Press Limited (UPL) Dhaka, page 29-50. <https://www.uplbooks.com/shop/9789845061490-dhaka-an-urban-reader-8368#attr=13827>

Peer Reviewed Journal

- **Ferdous F.** (2021) Redesigning Memory Care in the COVID-19 Era: Interdisciplinary Spatial Design Interventions to Minimize Social Isolation in Older Adults. *J Aging Soc Policy.* 2021 May 7:1-15. [doi: 10.1080/08959420.2021.1924345](https://doi.org/10.1080/08959420.2021.1924345). PMID: 33957853.
- **Ferdous, F.** (2021). Social Distancing vs Social Interactions for Long Term Care Facilities in the Midst of the COVID-19 Pandemic: A Rapid Review and Synthesis of Action Plans. *INQUIRY: The Journal of Health Care Organization, Provision, and Financing,* Volume 58, September 2021. <https://doi.org/10.1177/00469580211044287>
- **Ferdous, F.** (2019). Positive Social Interactions by Spatial Design: A Systematic Review of Empirical Literature in Memory Care Facilities for People Experiencing Dementia. *Journal of Aging and Health* <https://doi.org/10.1177/0898264319870090>
- **Watts, A., Ferdous, F., Moore, K. D., Burns, J.** (2015) Neighborhood Integration and Connectivity Predict Cognitive Performance and Decline, *Gerontology and Geriatric Medicine,* January-December 2015 vol. 1, page 1-9, [doi: 10.1177/2333721415599141](https://doi.org/10.1177/2333721415599141)
- **Ferdous, F. & Moore, K. D.** (2015) Field observations into the environmental soul: Spatial configuration and social life for people experiencing dementia, *American Journal of Alzheimer's Disease and Other Dementias,* March 2015 vol. 30 no. 2, page 209-218. [doi: 10.1177/1533317514545378](https://doi.org/10.1177/1533317514545378)
- **Ferdous, F.** (2014). If You Could Know, What Users Think: Urban Design and the Preference of the Physical Attributes of Urban Open Space, *Journal of Advances in Humanities, (JAH),* ISSN 2349-4379 Vol. 3 (1), page 143-151. [DOI:10.24297/jah.v3i1.5116](https://doi.org/10.24297/jah.v3i1.5116). Corpus ID: 54509467
- **Ferdous, F.** (2013) Examining the Relationship Between Key Visual Characteristics of Urban Plazas and Aesthetic Response *SAGE Open* April-June 2013 Vol. 3 (2), [doi: 10.1177/2158244013485581](https://doi.org/10.1177/2158244013485581), page 1-10
- **Ferdous, F.** (2012) The spatial analysis and morphological evolution of the 'Bazaar Streets' and urban structure of Dhaka city, *URBAN DESIGN International (UDI),* Vol. 17 (3), pp. 206-220. doi.org/10.1057/udi.2012.10
- **Ferdous, F., & Nilufar, F.** (2008). Cultural Space - A Conceptual Deliberation and Characterization as Urban Space. *Protibesh, Journal of the Department of Architecture, BUET,* ISSN: 1812-8068, January 2008, Volume 12, No. 1. (29-36).
- **Ferdous, F.** (2008). Organic Morphology and Cultural Spaces: The Case of Old Dhaka. *Journal of the Asiatic Society (Humanities),* Harun-or-Rashid (ed) Volume 53, No. 1, June 2008, (27-50).
- **Ferdous, F., & Nilufar, F.** (2007). Morphological Transformation and Evolution of Panthapath as a Commercial Belt of Dhaka City. *Protibesh, Journal of the Department of Architecture, BUET,* ISSN: 1812-8068, July 2007, Volume 11, No. 2. (55-66).

Peer Reviewed Conference Publications and Presentations

- **Ferdous, F.** (2023): The Risk of Social Isolation in Older Adults: Evidence-Based Action Plans in Redesigning Memory Care Facilities Beyond COVID-19 Pandemic. Paper presented at EDRA54 ENVIRONMENT AND HEALTH: Global / Local Challenges and Actions. Mexico, June, 2023

- Nduom, D. & **Ferdous, F.** (2021): Challenges and Opportunities in Teaching Architecture Design Studio during the COVID-19 era: an HBCU Perspective. 109th ACSA Annual Meeting: Expanding the View.
- Bell, B., **Ferdous, F.** (2020) All-Inclusive Engagement in Architecture. Paper presented (virtually) at the EDRA 51 Annual Meeting, Tempe, April, 2020.
- **Ferdous, F.** (2020): 2020 HiBR Conference: Health in Buildings for Today and Tomorrow: Making Connections-Research to Practice May 5-6, 2020 (NIH Campus) <https://hibr.nih.gov/conference/cancelled-2020-hibr-conference> (Cancelled due to COVID-19)
- **Ferdous, F.** (2019). Well-being in Memory Care Facilities: Identifying the Role of Spatial Design for Social Interaction in Empirical Literature. Paper presented at ARCC Annual Meeting, Toronto, Ontario, May 2019. ARCC Conference Repository, 1(1). Retrieved from <https://www.arcc-journal.org/index.php/repository/article/view/598>
- **Ferdous, F.** (2018) [Re] Connecting the creative community corridor: A community design intervention to foster diversity along Georgia Avenue, Washington D.C. Paper presented at the EDRA 49 Annual Meeting, Oklahoma, June, 2018.
- **Ferdous, F.** (2018) Positive Health Outcomes by Environmental Design: The role of spatial configuration in designing physical environment for people experiencing dementia. Paper presented at the EDRA 49 Annual Meeting, Oklahoma, June, 2018.
- Watts, A., **Ferdous, F.**, E. Grandfield, & Diaz-Moore, K. (2016). Perceived neighborhood characteristics differentially impact sedentary behavior in older adults with and without Alzheimer’s disease. Paper presented at the 68th Annual Meeting for the Gerontological Society of America, New Orleans, LA, Nov, 2016.
- Sanguinetti, P., Cai, H., Colistra, J., Sheward, H., **Ferdous, F.** (2016). Connected healthy living for smart cities. Paper presented at *Building for Health and Well-Being: Structures. Cities. Systems* 2016 ACSA-ASPPH Fall Conference, Honolulu, HI, September 2016.
- Watts, A., **Ferdous, F.**, & Diaz-Moore, K. (2016). Effect of Neighborhood Characteristics on Sedentary Behavior in Alzheimer’s Disease. Paper presented at the 24th Meeting for the International Association of People-Environment Studies, Lund, Sweden, June, 2016.
- **Ferdous, F.**, Watts, A., Diaz-Moore, K. (2016). Neighborhood Characteristics Influence Active Living and Cognitive Performance among Older Adults. In Global Impact through Design Research Symposium, the University of Kansas, USA, April 2016.
- Liebmann, E., Breda, A., Watts, A., **Ferdous, F.**, Diaz-Moore, K., & Burns, J. (2015). Neighborhood Characteristics and Dementia Status Predict Physical Functioning in Older Adults. Paper presented at the 67th Annual Meeting for the Gerontological Society of America, Orlando, FL. Nov, 2015.
- Watts, A., **Ferdous, F.**, Diaz-Moore, K., & Burns, J. (2014). Neighborhood characteristics predict health and cognitive function in older adults with and without Alzheimer’s disease. Paper presented at the 66th Annual Meeting for the Gerontological Society of America, Washington, DC. Nov, 2014.
- **Ferdous, F.** (2013). Sedentary behavior and older adults: The role of neighborhood walkability Oral presentation, Grantmaking in Aging (GIA) *Annual Conference.* Kansas City, USA, October 16-18, 2013.

- Moore, K. D. & **Ferdous, F.** (2013). The Impact of Spatial Configuration on Social Interaction in Long-Term Care Facilities: A Brief Overview of Pilot Studies symposium presentation in *Place making in the Third and Fourth Ages*. In Jeremy Wells and Elefterios Pavlides (eds.) EDRA 44 Proceedings: *Healthy + Healing Places* (pp. 251-252), Providence, May 2013.
- Moore, K. D. & **Ferdous, F.** (2013). Spatial Configuration and Social Life for People Experiencing Dementia (Referred Full Paper). In Architectural Research Centers Consortium (ARCC) Spring Proceedings: *The Visibility of Research* (pp. 685-691), University of North Carolina, Charlotte, March 2013.
- **Ferdous, F.** (2012). Aesthetic Response and Urban Plazas: The appreciation of physical characteristics for designed urban open spaces. In Rula Awwad-Rafferty and Lynne C. Manzo (eds.) EDRA 43 Proceedings: *Emergent Placemaking* (pp. 234), Seattle, June 2012.
- **Ferdous, F.** (2011). The Morphological Evolution of the 'Bazaar Streets': A Configurational Analysis of the Urban Layout of Dhaka City (Refereed Full-Paper). In Mittleman D. and Middleton D. A. (eds.) EDRA 42 Proceedings: *Make no little plans* (pp. 50-61), Chicago, May 2011.
- **Ferdous, F.** (2010). Developing an Empirical Research Model to Evaluate the Aesthetic Image and Social Use of Urban Plazas from Photo Simulation Techniques (Abstract). In Bissell J. and Meldrena C. (eds.) EDRA 41 Proceedings: *Policy and the environment* (pp.251), Washington DC, June 2010.
- **Ferdous, F.** (2009). The Aesthetic Image of Urban Plazas: An Empirical Approach toward the Evaluating of Built Environment. In Meldrena C., Bissell J., Alice M., Moore K., Rashid M. and Spreckelmeyer K. (eds.) EDRA 40 Proceedings: *Re: The Ethical Design of Place* (pp. 395), Kansas, City, MO, USA, May 2009.
- **Ferdous, F.** (2007). Morphological Identity of Old Dhaka: The Notion of an Indigenous Settlement, (Full paper) paper delivered at CSAAR 2007 Conference Proceedings, *Regional Architecture and Identity in the Age of Globalization*, Tunis, Tunisia, 13-15 November 2007. (pp. 301-318). Publisher: CSAAR.
- **Ferdous, F.** (2006). Extermination of Zinjira Canal: The Southern Fringe of Buriganga. In M. Rahman (ed.), (Full paper) *Society, Architects and Emerging Issues: Proceedings of 18th Commonwealth Association of Architects International Conference*. London: Commonwealth Association of Architects (CAA), and Dhaka: Institute of Architects of Bangladesh (IAB), (pp. 35)
- **Ferdous, F.** (2006). Morphological Transformation and Evolution of a Commercial Spine. In S.R. Eghbali (ed), *Urban Design from Theory to Implementation: Oral presentation, 1st Urban Design International Congress (UDIC1)*, September 4-7, 2006, Isfahan, Iran.



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Associate Professor

Department of Architecture, College of Engineering and Architecture, Howard University, USA