

Curriculum Vitae: MD. NAWROSE FATEMI

Name: Md. Nawrose Fatemi

Designation: Associate Professor

Academic Interests: Disaster Management

Vulnerability and Resilience

Urban Planning and Climate Change

Sustainable Built Environment

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EDUCATION

Year	Name of Degree	Institution
2020	PhD in Engineering (Urban Planning Development)	Osaka University, Japan
2012	Master of Architecture (M. Arch.)	Bangladesh University of Engineering & Technology
2008	Bachelor of Architecture (B.Arch.)	Bangladesh University of Engineering & Technology
2000	Higher Secondary School Certificate (HSC)	Notre Dame College, Dhaka
1998	Secondary School Certificate (SSC)	Zilla School, Kushtia

ACADEMIC EXPERIENCE

Duration	Organization	Position
July 2021 to date	Department of Architecture, University of Asia Pacific (UAP), Dhaka	Associate Professor
November 2020 to date	Department of Architecture, University of Asia Pacific (UAP), Dhaka	Head of the Department
April 2012 to July 2021	Department of Architecture, University of Asia Pacific (UAP), Dhaka	Assistant Professor
April 2008 to April 2012	Department of Architecture, University of Asia Pacific (UAP), Dhaka	Lecturer

PROFESSIONAL AFFILIATION

- Member (F-018), Institute of Architects Bangladesh (IAB) from March 2013
- Member, Executive Committee, RAiN (Resource Available in Nature) Forum from June 2012

RESEARCH PUBLICATIONS

Journal Articles

1. Fatemi, M. N., Okyere, S. A., Diko, S. K., Abunyewah, M., Kita, M. & Rahman, T. (2020) Flooding in Mega-cities: Using Structural Equation Modelling to Assess Flood Impact in Dhaka, *International Journal of Disaster Resilience in the Built Environment (IJDRBE)*, <https://doi.org/10.1108/IJDRBE-08-2020-0094>
2. Fatemi, M. N., Rahman, T. & Kita, M. (2020) Tracing the past: an insight on flood risk management strategies in the development instruments of Bangladesh and Dhaka city, *Water Policy*, <https://doi.org/10.2166/wp.2020.006>
3. Fatemi, M.N. Kita, M., Okyere, S.A., Shimoda, M. & Matsubara, S. (2020) A Study on Physical Vulnerability and Improvement Actions of Residential Buildings to Urban Flooding in the Eastern Dhaka, Bangladesh, *Journal of Architecture and Planning (Transactions of AIJ)* 85 (772), pp. 1229-1239, <https://doi.org/10.3130/aija.85.1229>
4. Fatemi, M. N., Okyere, S. A., Diko, S. K., Kita, M., Shimoda, M. & Matsubara, S (2020) Physical Vulnerability and Local Responses to Flood Damage in Peri-Urban Areas of Dhaka, Bangladesh, *Sustainability* 12 (10), pp. 3957, <https://doi.org/10.3390/su12103957>
5. Fatemi, M.N., Okyere, S.A., Diko, S.K. & Kita, M. (2020) Multi-Level Climate Governance in Bangladesh via Climate Change Mainstreaming: Lessons for Local Climate Action in Dhaka City. *Urban Science* 4 (2), pp. 24, <https://doi.org/10.3390/urbansci4020024>
6. Fatemi, M. N. & Islam, N. (2016) Bridging the Gap between “Theory” and Practice: Role of Institutes in Furthering Awareness of Sustainability among Architects in Bangladesh, *International Journal of Architecture, Engineering and Construction*, 5 (4), pp. 217-225
7. Fatemi, M. N. & Rahman, T. (2015) Regeneration of the Hazaribagh Urban Brownfield: An Imperative for Dhaka’s Sustainable Urban Development. *Urbani izziv*, 26(2), pp. 132–145. DOI: 10.5379/urbani-izziv-en-2015-26-02-004

Book Chapter

1. Fatemi, M. N. (2013), Promoting Water Conservation and Recycling Techniques through Architectural Education: Students’ Acceptance and Perception. In: *Rainwater Harvesting in Bangladesh: Potentials, Challenges and Stakeholders’ Responses*, Eds: M. A. U. Rahman, & A. S. M. S. Rahman, WaterAid Bangladesh, Dhaka, pp. 19-24.

Book Chapter Accepted and in Press

1. Fatemi, M. N., Okyere, S. A., Diko, S. K., Abunyewah, M. Kita, M. & Saeid Eslamian (in press) Physical vulnerability, flood damage, and adjustments: Examining the factors affecting damage to residential buildings in Eastern Dhaka. In: ESLAMIAN, S. (ed.) *Disaster Risk Reduction for Resilience (HD3R): Disaster Hydrological Resilience*. London, UK: Springer.

Recognized and Refereed Conference Proceedings

1. Rahman, T. & Fatemi, M. N. *Exploring Urban Liveability in Emerging New Town Development: Case Study of Senri New Town, Osaka and Purbachal New Town, Dhaka*, Proceedings of the 4th

International Conference on 'Contemporary Affairs in Architecture and Urbanism', ICCAUA-2021, 20-21 May, 2021, Antalya, Turkey (Accepted for Presentation)

2. Islam, N. & Fatemi, M. N., *Spaces for Social Cohesion in Planned City: A Search for Inspiration in Indigenous and New Spontaneously Developed Settlements of Dhaka*, Proceedings of the 3rd International Conference on 'Cities, People and Places', ICCPP-2015, 26-28 October, 2015, Colombo, Sri Lanka
3. Fatemi, N., *Urban Green Space in a High-Density City: User Expectations, Accessibility and Experience in Context of Dhaka*, Proceedings of the International Conference on 'Cities, People and Places', ICCPP-2014, 31 October – 02 November, 2014, Colombo, Sri Lanka
4. Fatemi, N. & Islam, N., *Learning from Precedents: Emerging Urban Planning Practices towards Liveable Communities in Dhaka*, Proceedings of the International Conference on 'Cities, People and Places', ICCPP-2014, 31 October – 02 November, 2014, Colombo, Sri Lanka
5. Fatemi, M. N. (2013), *Folk Art and Crafts of Bangladesh-Their Uniqueness in NAKSHA (Design Motif)*, Final Report of National Workshop on Implementation of the UNESCO Convention for the Safeguarding of the -Intangible Cultural Heritage, 17-20 July, 2013, Dhaka, Bangladesh, Department of Archaeology, GoB
6. Fatemi, M. N., *Managing Water Demand through Water Conservation and Recycling Techniques for Residential Buildings in Dhaka: Challenges and Potentials*, Proceedings of the International Conference on Engineering Research, Innovation and Education 2013, ICERIE 2013, 11–13 January, SUST, Sylhet, Bangladesh
7. Iffat, W. & Fatemi, M. N., *Adaptive Roof tops as a Multi-functional Breathing Space: The Old Dhaka Context*, Proceedings of the International Seminar on Liveable Space (Islivas) – 2012: Creating Space for Better Life, 16-17 February, 2012, Jakarta, Indonesia
8. Fatemi, M. N., *Strategies to Reduce Construction and Demolition (C&D) Waste for Sustainable Building Design in Dhaka: Role of Architects*, Proceedings of the International Seminar on Architecture: Education, Practice and Research, Dhaka, Bangladesh, 2-4 February, 2012
9. Fatemi, M. N., *Solar Ready Roof Design for High-Performing Solar Installation in Dhaka: Potentials and Strategies*, Proceedings of the 2nd International Conference on the Development in Renewable Energy Technology (ICDRET '12), 5-7 January, 2012, Dhaka, Bangladesh
10. Fatemi, M. N. and Islam, N., *Implication of Architectural Education for Promoting Sustainable Built Environment in Bangladesh: Present Trends and Future Potentials*, Proceedings of the International Seminar on Architecture: Education, Practice and Research, Dhaka, Bangladesh, 2-4 February, 2012
11. Fatemi, M. N. and Islam, N., *Sustainability and Eco-Adaptability in Vernacular Housing of Bangladesh*, Proceedings of the 1st annual International Conference on society, technology & sustainable development -ICSTSD 2011, 3-5 June, 2011, Kochi, India
12. Fatemi, M. N., *Towards Zero Waste Strategies: Practices and Challenges of Household Waste Management in Dhaka*, Proceedings of the International Conference on Solid Waste Management, Technical, Environmental and Socio-economical Contexts – WasteSafe 2009, 9-10 November, 2009, Khulna, Bangladesh
13. Hossain, M. M. and Fatemi, M. N., *Promoting 'Off the Grid' School: Application of RET to Develop Educational Infrastructure in Bangladesh*, Proceedings of the 1st International Conference on the

Development in Renewable Energy Technology (ICDRET '09),17-20 December, 2009, Dhaka, Bangladesh

SCHOLARSHIPS & ACHIEVEMENTS

- MEXT (*Monobukagoshu*) Scholarship, 2017-2020 for PhD in Osaka University.
- BUET-GIZ Research Scholarship for M. Arch Thesis through the project 'Promoting Green Architecture Concept in Bangladesh', 2011.
- BUET CASR Grant for Master of Architecture, 2011
- University Merit Scholarship 2000 to 2007 (for about all term final examination)

OTHER PROFESSIONAL AFFILIATIONS

- Member Secretary, Registration Committee, CAA Dhaka 2013, since September 2012
- Member, 'Green& Sustainable Architecture' Sub-Committee, Institute of Architects Bangladesh (IAB), 2011
- Member, Organization Committee, 'Aga Khan Award for Architecture 2007 Cycle', 2008