

# Dr. Muhammad Noor



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## Work Experience

**Assistant Professor** (19/09/2022 to Present)  
*Department of Civil Engineering*  
*Balochistan University of Engineering & Technology, Khuzdar*

**Assistant Professor** (25/03/2022 to 18/09/2022)  
*Department of Civil Engineering*  
*National University of Science & Technology (NUST), Islamabad*

**Lecturer** (11/01/2021 to 24/03/2022)  
*Department of Civil Engineering*  
*Balochistan University of Engineering & Technology, Khuzdar*

**Site Engineer** (16/06/2013 to 31/07/ 2015)  
*Rehman Construction Company (RCC), Karachi*

## Education

**PhD - Civil Engineering** (2021)  
*(Hydraulics and Hydrology)*  
*Department of Water & Environmental Engineering, Faculty of Civil Engineering*  
*University of Technology Malaysia (UTM), Malaysia*

**Masters - Civil Engineering** (2017)  
*(Hydraulics and Hydrology)*  
*Depart Department of Water & Environmental Engineering, Faculty of Civil Engineering*  
*University of Technology Malaysia (UTM), Malaysia*

**Bachelor (BE) - Civil Engineering** (2013)  
*Department of Civil Engineering*  
*Balochistan University of Engineering & Technology Khuzdar, Pakistan*

## Publications

1. **Noor, M.**, T. bin Ismail, S. Shahid, M. Asaduzzaman, A. Dewan (2022) Projection of Rainfall Intensity-Duration-Frequency Curves at Ungauged Location under Climate Change Scenarios. *Sustainable Cities and Society* (**IF=10.7, Q1**)
2. **Noor, M.**, T. bin Ismail, S. Shahid, M. Asaduzzaman, A. Dewan (2020). Evaluating Intensity-Duration-Frequency (IDF) curves of satellite-based precipitation datasets in Peninsular Malaysia. *Atmospheric Research*. (**IF= 4.68, Q1**)
3. **Noor, M.**, T. Ismail, E.-S. Chung, S. Shahid and J. H. Sung (2018). Uncertainty in rainfall intensity duration frequency curves of peninsular Malaysia under changing climate scenarios. *Water* 10(12): 1750. (**IF= 2.03, Q2**)
4. **Noor, M.**, T. bin Ismail, S. Shahid, K. Ahmed, E.-S. Chung and N. Nawaz (2019). Selection of CMIP5 multi-model ensemble for the projection of spatial and temporal variability of rainfall in peninsular Malaysia. *Theoretical and Applied Climatology* 138(1-2): 999-1012. (**IF= 2.32, Q2**)
5. **Noor, M.**, T. Ismail, S. Shahid, M. S. Nashwan and S. Ullah (2019). Development of multi-model ensemble for projection of extreme rainfall events in Peninsular Malaysia. *Hydrology Research* 50(6): 1772-1788. (**IF= 2.48, Q2**)
6. **Noor, M.**, T. bin Ismail, S. Ullah, Z. Iqbal, N. Nawaz and K. Ahmed (2019). A non-local model output statistics approach for the downscaling of CMIP5 GCMs for the projection of rainfall in Peninsular Malaysia. *Journal of Water and Climate Change*. (**IF= 1.01, Q4**)
7. Shiru, M. S., S. Shahid, S. Shiru, E. S. Chung, N. Alias, K. Ahmed, E. C. Dioha, Z. Sa'adi, S. Salman and **M. Noor** (2019). Challenges in water resources of Lagos mega city of Nigeria in the context of climate change. *Journal of Water and Climate Change*. (**IF= 1.01, Q4**)
8. Ahmed, K., Z. Iqbal, N. Khan, B. Rasheed, N. Nawaz, I. Malik and **M. Noor** (2019). Quantitative assessment of precipitation changes under CMIP5 RCP scenarios over the northern sub-Himalayan region of Pakistan. *Environment, Development and Sustainability*: 1-15. (**IF= 1.68, Q3**)
9. Alamgir, M., T. Ismail and **M. Noor** (2018). Bivariate frequency analysis of flood variables using copula in Kelantan River Basin. *Malaysian Journal of Civil Engineering* 30(3).
10. Ismail, T., K. Ahmed, M. Alamgir, M. N. Kakar and A. B. Fadzil (2018). Bivariate flood frequency analysis using Gumbel copula. *Malaysian Journal of Civil Engineering* 30(2).
11. Muhammad, M. K. I., M. R. Houmsi, G. F. Ziarh, **M. Noor**, T. Ismail and S. Harun (2019). A two-stage bias correction approach for downscaling and projection of daily average temperature. *European. Journal of Climate Change* 1(01): 32-37.

## Conferences

1. 6th International Graduate Conference on Engineering, Sciences and Humanities Johor Bahru, Malaysia (2016)
2. 4th International Conference on Water Resources, Langkawi, Malaysia (2018)

## Book Chapters

### **Climate Change Analysis: Impacts on Rainfall and Water Scarcity**

UTM Press 2017

Chapter 5: Intensity Duration Frequency Curves: A Brief Review

Authors: **Muhammad Noor**, Tarmizi Ismail, Shamsuddin Shahid

## Training & Workshops

1. International Workshop on Civil Engineering (Sponsored by SeoulTech South Korea)
2. Training Workshop for Urban Water Simulation (Supported by Advanced Water Research Management Research funded by Program Ministry of Land Infrastructure and Transport of Korea)
3. One Day Training Workshop on Urban Storm Water Management using PC SWMM (With collaboration of Nanyang Technological University Singapore)
4. One Day Training on SWAT supported by Seoul Tech South Korea
5. Workshop on Data Extraction, Analysis and Generalization using R (by Post Graduate Students Society Universiti Teknologi Malaysia)
6. Workshop on “MATLAB for Statistical Data Analysis” (by International Students Society-Universiti Teknologi Malaysia)
7. Online course “Python Basics for Data Science” (by IBM).

## References

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### **Dr. Tarmizi Ismail**

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