

Md Hasibul Hasan

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Education

- **University of Central Florida** August 2020 - Ongoing
PhD in Environmental Engineering
- **University of Central Florida** August 2020 - August 2023
MS in Environmental Engineering
- **Bangladesh University of Engineering and Technology** June 2014 - November 2018
BS in Civil Engineering

Experience

- **University of Central Florida** May 2021 - Ongoing
Graduate Research Assistant and Graduate Teaching Assistant

Projects

- **A Secure, Trustworthy and Reliable Air Quality Monitoring System for Smart and Connected Communities**
- **Developing Ozone Contingency Plan for Central Florida Region**
- **A Comparative Analysis of Alternative Fuel Fleet of Buses to Enhance Mobility in Central Florida**
- **Updating the Carbon COFL 2012 Program**
- **Performance Comparison of Low Cost Sensors Across Six Cities of Continental United States**

Publications

- Hasan, M. H., Yu, H., Ivey, C., Pillarisetti, A., Yuan, Z., Do, K., & Li, Y. (2023). Unexpected Performance Improvements of Nitrogen Dioxide and Ozone Sensors by Including Carbon Monoxide Sensor Signal. *ACS omega*, 8(6), 5917-5924
- Xiang, K., Yu, H., Du, H., Hasan, M. H., Wei, S., & Xiang, X. (2023). Exploring influential factors of CO2 emissions in China's cities using machine learning techniques. *Environmental Science and Pollution Research*, 1-16.
- Hasan, Md Hasibul, "Performance Comparison of Low-Cost Sensors Across Six Cities of Continental United States" (2023). *Electronic Theses and Dissertations, 2020-1819*. <https://stars.library.ucf.edu/etd2020/1819>
- Al Islam, M., & Hasan, H. (2020). Generation of IDF equation from catchment delineation using GIS. *Civil Engineering Journal*, 6(3), 540-547.

Conference Presentations

- CMAS Conference 2021 - Performance Comparison of Electrochemical Sensors across Six Cities of Continental United States
- CMAS Conference 2022 and UF Air Quality Workshop 2022 - Improving Mobile Source Emission Estimation using Big Data Analytics
- CAST Miami Workshop 2024 - Spatial Performance Variation of Optical Particle Counter in Orlando

Achievements & Awards

- ORCGS Doctoral Fellowship, University of Central Florida

Reference

- **Haofei Yu - University of Central Florida**
Associate Professor
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