

**1. Name**

Tanjina Afrin

**2. Education – degree, discipline, institution, year**

-Ph.D., Civil Engineering, Clemson University, SC, 2016

-M.Sc., Environmental Engineering, Bangladesh University of Engineering and Technology, Bangladesh, 2012

-B.Sc., Civil Engineering, Bangladesh University of Engineering and Technology, Bangladesh, 2009

**3. Academic experience – institution, rank, title, when, full time or part time**

-Virginia Military Institute (VMI), Assistant Professor, 2017-Present, full time

-Tri-County Technical College, Adjunct Instructor, 2016 (Fall Semester), part time

-Clemson University, Graduate Teaching Assistant, 2013-2016, full time.

-Stamford University Bangladesh, Lecturer, 2010-2012, full time

**4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time**

-Bangladesh Network office for Urban Safety. Research Engineer. Conducted research on urban fire safety. April 2010- September 2010. Full Time.

-Ever way Engineers Limited, Bangladesh. Design Engineer. Performed structural designs of residential and industrial buildings. 2009-2010. Full Time.

**5. Certifications or professional registrations**

-Engineer in Training, South Carolina, 2016

**6. Current membership in professional organizations**

-American Society of Civil Engineers (ASCE), Associate Member

-American Society of Engineering Education (ASEE), Member

**7. Honors and awards**

-ASCE ExCEEEd Fellowship, 2017

**8. Service activities**

-VMI Undergraduate Research Committee – Member (2017-Present)

-VMI Center for Undergraduate Research Symposium, Moderator and Judge (2017)

-Virginia State Fair Science and Engineering Fair, Panel Judge (2017)

-ASCE EWRI International Low Impact Development Conference-Moderator (2016)

-ASEE-SE Conference, Reviewer, (2015)

**9. Publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation**

-“Numerical investigation of free overfall for circular channel flowing full upstream.” Afrin, T., Kaye, N.B., Khan, A. A., and Testik, F.Y. (2017). Journal of Hydraulic Engineering, ASCE, 143(6).

- “Numerical Model for Hydraulic Performance of Perforated Pipe Under-drain Surrounded by Loose Aggregate.” Afrin, T., Khan, A. A., Kaye, N.B., and Testik, F.Y. (2016). Journal of Hydraulic Engineering, ASCE, 142(8).
- “Parametric study of Perforated Pipe Under-drain Surrounded by Loose Aggregate.” Afrin, T., Kaye, N.B., Khan, A. A., and Testik, F.Y. (2016). Journal of Hydraulic Engineering, ASCE, 142(12).
- “Numerical investigation of perforated pipe-aggregate system.” Afrin, T., Kaye, N.B., Khan, A. A., and Testik, F.Y. (2016). ASCE-EWRI International Low Impact Development-2016, Maine, 2016 (Only presentation)
- “Numerical Model for Hydraulic Performance of Under-drained Perforated Pipe Surrounded by Loose Aggregate.” Afrin, T., Khan, A. A., Kaye, N. B., and, Testik, F.Y. (2014). South Carolina Water Resources Conference, SC, 2014.
- “Development of a Grid-Based Emission Inventory and a Source-Receptor Model for Dhaka City.” Afrin, T., Ali, A.A., Rahman, S.M., and Wadud, Z. (2012). 20th International Emission Inventory Conference - "Emission Inventories - Meeting the Challenges Posed by Emerging Global, National, and Regional and Local Air Quality Issues" FL, 2012
- “Impacts of Climate Change Scenarios on Crop Simulation (Boro Cultivation) in Bangladesh using DSSAT.” Afrin, T., Rumman, R., and Warda, F. (2012). International Conference on Civil Engineering for Sustainable Development (ICCESD), Dhaka, Bangladesh, 2012

#### **10. Most recent professional development activities**

- ASCE ExCEED training workshop, West Point, NY, 2017.
- Speaker-ASCE Conference, Portland, ME, 2016.
- Speaker-SC Water Resources Conference, Columbia, SC, 2016.
- Poster Presenter-SC Water Resources Conference, Columbia, SC, 2014