

FACULTY VITAE

1. **Name** Nabila Shamim
2. **Education** – Doctor of Philosophy, Chemical Engineering, National University of Singapore, 2007.
Bachelor of Science, B.Sc. Chemical Engineering, Bangladesh University of Engineering and Technology, April 2002.
3. **Academic experience** – Assistant Professor, Department of Chemical Engineering, Prairie View A & M University, Fall 2018- Present, Full Time.

Lecturer, Department of Chemical Engineering, Prairie View A & M University Fall 2014- summer 2018.

Instructor, Texas Tech University, Lubbock, TX Spring 2012 – Spring 2014

Postdoctoral Fellow, Texas Tech University, Fall 2008 – Summer 2014.

4. **Current membership in professional organizations:**

- American Institute of Chemical Engineering (AIChE)
- Society of Black Engineers
- Society of Women Engineering (SWE)
- American Society for Engineering Education (ASEE)
- The Institution of Engineers, Bangladesh (IEB)

5. **Honors and awards**

- Center for Energy & Environmental Sustainability (CEES): Phase II, National Science Foundation, Awarded Amount: \$5,000,000, July 2019 Role: Senior personnel.
- Investigate the Glass Transition Temperature (T_g) of Polymer – Graphene nanoplatelet Thin Films, 2019 Faculty Research Development Grant Program, Awarded \$45000 Jan 2019, PI: Dr. Nabila Shamim
- \$2500 awarded from TEES Annual Research Conference, May 22, 2018 PI: Dr. Nabila Shamim
- \$5000 awarded from TEES Annual Research Conference, May 22, 2019 PI: Dr. Nabila Shamim
- Travel Award SWE ALWE 2019 Anaheim CA Nov 6-9 2019
- Outstanding Research category award during the ORISP Inaugural Research Week April 10-12, 2019.
- Second Prize 2018 Southwest Student Regional Conference, March 30-31, 2018

6. **Service activities (within and outside of the institution)**

- Serving in Outreach of the Executive Committee at South Texas Section of AIChE 2019
- National Defense and Engineering Graduate Fellowship Reviewer (NDSEG) 2019
- Moderator and Judge, PVAMU 14th Annual Research Symposium, April 10 2019
- Chair, Senior Laboratory Coordinator Search committee Dec 2018
- Graduate Faculty Sep 2018.
- Laboratory Safety Inspection Committee Aug 2018
- Undergraduate student councilor Fall 2018 -Present
- Faculty Advisor SWE, Sep 2018 – Present

7. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

- Evidence-Based Computational Modeling for Anterior Cruciate Ligament Response at Low Knee Flexion Angle, Ariful Bhuiyan, Sarhan Musa, Stephen Ekwaro-Osire, and Nabila Shamim, Submitted
- Ariful I. Bhuiyan, Javad Hashemi, Nabila Shamim and Sarhan M. Musa, Tibial eminence: a new anatomical risk factor for anterior cruciate ligament injuries, Multimed Tools Appl, June 2017.
- N. Shamim, Yung P. Koh, S. Simon and G.B. McKenna, The glass transition of trinitrotoluene (TNT) by Flash DSC, Thermochimica Acta, Volume 620 Pages 36-39, 2015. Citation : 10
- N. Shamim, Y. P. Koh, S. L. Simon and G. B. McKenna, The glass transition temperature of thin polycarbonate films measured by flash differential scanning calorimetry, Journal of Polymer Science Part B: Polymer Physics, Volume 52, Issue 22, pages 1462–1468, 15 November 2014. Citation: 27
- N. Shamim and G. B. McKenna, Mechanical spectral hole burning in polymer solutions: comparison with LAOS fingerprinting, Journal of Rheology, 58, 43-62, 2014. Citation: 5

8. Briefly list the most recent professional development activities

- Academic Leadership for Women Engineering, Anaheim, CA Nov 6-7, 2019.
- Workshop TA instrument, Lone Star College, The Woodlands, Sep 17-18 2019
- COMSOL Multiphysics intensive workshop, Feb 2019
- NSF Grant Writing Workshop, Jan 2019
- HYSYS Training April 17 2018
- E-Course gradebook training, Webinar Prairie View A & M University, Jan 25, 2018
- Faculty Workshop on Process safety: DOW chemical company, June 2018