

1. **Name:** Nabila Shamim, Ph.D.

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:**

Institution	Rank	Title	Dates	Full Time (FT) or Part Time (PT)
Prairie View A&M University	Assistant Professor	Assistant Professor	Sep 2018 till date	FT
Prairie View A&M University	Lecturer	Lecturer	Sep 2015- July 2018	FT
Texas Tech University	Instructor	Instructor	Jan 2012 – July 2014	PT
Texas Tech University	Postdoctoral Fellow	Postdoctoral Fellow	2012-2014	PT
Texas Tech University	Postdoctoral Fellow	Postdoctoral Fellow	2008-2012	FT

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:**

1. Service award for technical committee member of ASEE Gulf Southwest Conference, March 18, 2022
2. Outstanding Research category award during the ORISP Inaugural Research Week April 10-12, 2019.

6. **Service activities:**

1. Summer Project with undergraduate students, JSC (NASA) – PV A&M Research Project, Impact Attenuation Padding- SSBAP, Presented Aug 2021.
2. Committees: **Technical Committee member, 2022 ASEE GSW conference**, PVAMU – review papers and other duties related to the conference, Outreach **Director, STS-AIChE**, arranged two scholarship programs for regional chemical engineering students, 2019-2021, 2022 Roy G. **Perry College of Engineering Grievance committee**
3. Reviewer, PRISE 2021 Proposals, PVAMU, August 2021

4. Presenter, R&D research partnership with Shell, presentation March 16, 2021
5. Invitation for Lunch with President Ruth Simons February 10, 2020
6. University Undergraduate student councilor Fall 2018 -2020
7. National Defense and Engineering Graduate Fellowship Reviewer (NDSEG) 2019
8. Member and HBCU Liaison, Minority Affairs Committee (MAC) of AIChE, (2022 – Present)
9. Reviewer MDPI Material, Energetics, 2021, 2022.

7. Briefly list the most important publications and presentations from the past five years:

1. Joao Paulo Dias, Ariful Bhuiyan, **Nabila Shamim**, Diagnostic of Injury Risk in the Anterior Cruciate Ligament Based on Shape Context Description of the Intercondylar Notch Curvature, ASME J of Medical Diagnostics, 2021, 1027.
<https://doi.org/10.1115/1.4053063>
2. **N. Shamim**, S. Binzaid, J. F. Gabitto and J. Attia, A Combined Chemical-Electrochemical Process to Capture CO₂ and Produce Hydrogen and Electricity, Energies, 2021, 14, 5807.
3. Morshed Khandaker, Helga Proгри, Dhakshyane Tamil Arasu, Sadegh Nikfarjam, **Nabila Shamim**, Use of polycaprolactone electrospun nanofiber mesh in a face mask, Materials, 2021 Aug; 14(15): 4272 - 4289.
4. Ariful Bhuiyan¹, **Nabila Shamim**, and Stephen Ekwaro-Osir, Magnetic Resonance Image (MRI) Based Computational Modeling for Anterior Cruciate Ligament Response at Low Knee Flexion Angle, ASME J of Medical Diagnostics. Feb 2021, 4(1): 011001
5. Faryal Fatima, Veronica Williams, Francis Saneii, Ariful Bhuiyan, Orion Ciftja and **Nabila Shamim**, Morphology and Mechanical Properties of Polystyrene and Graphene oxide composite, Elixir Materials Science 148 (2020) 54947-54950.

8. Briefly list the most recent professional development activities:

1. Tenure/Promotion Workshop, PVAMU, March 2022.
2. ASEE GSW Regional Meeting, Prairie View, TX, March 2022
3. AIChE Annual Meeting, Boston, MA, November 2021
4. ASEE DELTA Junior Faculty Institute certification training, March 24-26, 2021.
5. ASEE-NETI Active learning workshop, April 17-18, 2021.
6. R&D research partnership with Shell, presentation March 16, 2021
7. MIT Additive Manufacturing course, in May 2020
8. America East Symposium for Graduate Programs in Engineering & Computing, Nov 13, 2020
9. Elsevier Sponsored Workshop- How COVID has impacted academia and industry, AIChE virtual workshop Nov 2020.