

I NAME

Nabila Shamim

II EDUCATION

<u>Degree</u>	<u>Discipline</u>	<u>Institution</u>	<u>Year</u>
Ph. D.	Chemical Engineering	National University of Singapore	2007
B.Sc.	Chemical Engineering	Bangladesh University of Engineering and Technology	2002

III ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Title</u>	<u>Years</u>	<u>Full/PT</u>
Prairie View A&M	Assistant Professor		Sep 2014-Pre	Full
Prairie View A&M	Instructor		2014-Sep 2014	Full
Texas Tech University	Instructor		2012-2014	PT
Texas Tech University	Post-doctoral Fellow		2008-2014	Full

IV FACULTY PUBLICATIONS (at minimum last 5 years)

1. 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.
2. **N. Shamim** and G.B. McKenna, The glass transition of trinitrotoluene (TNT) by Flash DSC., *Thermochimica Acta*, Volume 620 Pages 36-39, 2015. Citatio : 6
3. **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 146261468, 15 November 2014. Citation: 19
4. **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
5. **N. Shamim**, S. J. Usala and G. B. McKenna, The elasticity of cervical-vaginal secretions is abnormal in polycystic ovary syndrome: case report of five PCOS women, *Indian Journal of Endocrinology and Metabolism*, 16 (6), 1019-1021, 2012. Citation: 4

V FACULTY EXTERNAL GRANTS (at minimum in the last 5 years)

1. Forwarding PCOS Diagnosis through linking mechanical and genetic markers, Nabila Shamiim (PI) Ariful Bhuiyan, Anirudha Datta, May 2018 **Awarded \$2500** seed money
2. IONIC TRANSPORT IN CHARGED POROUS MEDIA, Jorge Gabbitto and **Nabila Shamim (Co-PI)** Submitted to Department of Energy 2017

3. Synthesis of Surface-functionalized, Superparamagnetic Nanoparticles for the Complexation and Removal of Lead from Drinking Water Giles, Marco, Li, Yingchun, Reeves, Sheena, **Shamim, Nabila (Co-PI)**, Submitted to National Science Foundation Division of Chemical, Bioengineering, Environmental, and Transport Systems; Chemical and Biological Separations 2016.
4. Membrane Drug Delivery System for Ocular Applications, Audie Thompson¹ Quincy Moore², **Nabila Shamim¹ (Co-PI)** ¹Department of Chemical Engineering, ²Department of Biology, The Chancellor's Area 41 Challenge Grant 2016

VI FACULTY COMMUNITY/PUBLIC SERVICE ACTIVITIES (at minimum last 5 years)

1. CHEG lab development, 2016-Present
2. Faculty Senate 2016-2017
3. Volunteer Elementary and Middle School day on the Hill
4. Presenter - G.A.L.S. Camp Summer 2017, Girls Accelerating and Learning STEM, this residential camp is designed to expose participants from high school to the fields of science, technology engineering and mathematics to develop interest and skills through experiential learning

VII SCHOLARLY/CREATIVE WORK

1. Mentor to MAC-AICChE Scholarship Recipients
2. Program Coordinator Zeroth Internship project 2017
3. Participant in NSF project on Desktop Learning module 2017
4. Mentor of LSAMP program at Prairie View A & M University, in this program, students from underrepresented minority backgrounds were introduced to scientific research, mentorship, and preparation for professional school or graduate school 2016-2017
5. Developer and Instructor of Chemical Engineering laboratory courses Prairie View A & M University. New experiments are developed and existing experiments are modified in this development under Title 3 funds. 2017
6. Mentor - Ford HBCU challenge the challenge is a request for proposals by Ford addressing the theme of building sustainable communities. The group won first prize. 2016
7. Judge of Prairie View A&M University Annual Research Symposium, LSAMP symposium. 2015-2016

VIII STUDENT AWARDS

1. **Jordan Washington**, Second Prize 2018 Southwest Student Regional Conference, March 30-31, 2018
2. **Fred Okafor, Jonathan Orozco, Mustafa Saleem, Kale Schuetzeberg (Mentor Dr. Nabila Shamim)** Ford HBCU Community Challenge grand prize of \$75,000
3. **Dwiesha Johnson (Advisor Dr. Nabila Shamim)** 2nd prize poster presentation Chemical Engineering Symposium, Prairie View .Feb 2016