Curriculum Vitae

Syeda Tamanna Alam

Education

• Ph.D., Biochemistry and Molecular Biology
The University of North Texas, Denton, Texas

• Master of Science in Molecular and Cell Biology
The University of Texas at Dallas, Richardson, Texas

• Bachelor of Science in Computing
The University of Portsmouth, Portsmouth, UK

• First two years of MBBS (Anatomy, Physiology, Biochemistry), Dhaka Medical College, Dhaka, Bangladesh

Teaching Experience

• Microbiology Instructional lab supervisor, University of North Texas, Denton, Texas, August, 2021-present

• Adjunct Faculty- Microbiology Lecture, Medical Bacteriology Lecture, Biology for science major I, The University of North Texas, August 2023- present

• Adjunct Faculty -Molecular Biology lab, Genetics lab, Principle of Biology I and II lab, Neuroanatomy lab, Microbiology lab, Anatomy and Physiology I and II lab, Texas Woman's University (In class and online), January, 2020-Present

• Adjunct Faculty -Microbiology lecture and lab, Biology I for science major (lecture and lab), Biology I for non-science major (lecture and lab), Biology II for science major (lecture and lab), Collin College (In class), January, 2021-Present

• Adjunct Assistant Microbiology Lab, Medical Bacteriology Lab, The University of North Texas, January, 2022-present

• Lab Instructor Microbiology, The University of North Texas, 2012-2018

• Outstanding Teaching Assistant, The University of North Texas, 2017

Professional Publications and/or Creative Achievements

• Alam, S. T., Sarowar, S., Mondal, H. A., Makandar, R., Chowdhury, Z., Louis, J., Shah, J. Opposing effects of MYZUS PERSICAE-INDUCED LIPASE 1 and jasmonic acid influence the outcome of Arabidopsis thaliana–Fusarium graminearum interaction (2022) Mol. Plant Pathology. April 9

• Sarowar. S., Alam, S. T., Makandar, R., Lee, H., Trick, H. N., Dong, Y., Shah, J. Targeting the pattern-triggered immunity pathway to enhance resistance to Fusarium graminearum. (2018) Mol. Plant Pathology. December 30 (First Co-author)

• Nalam, V. J., Alam, S., Keereetaweep, J., Venables, B., Burdan, D., Lee, H., Trick, H. N., Sarowar, S., Makandar, R., and Shah, J. Facilitation of Fusarium graminearum infection by 9-lipoxygenases in Arabidopsis and wheat. (2015) Mol. Plant-Microbe Interact. June 15

• Oral and poster presentations, BDI retreat and Graduate research day, University of North Texas (2013, 2015, 2018, 2019)

- Instructional Teamwork award winner, University of North Texas, 2024
- Inspirational award winner, Collin College, 2024
- Graduate Student Teaching Excellence Program Certification (GSTEP), The University of North Texas, 2017
- Undergraduate and graduate students research trainer, Department of Biological Sciences, University of North Texas, 01/17/2018-03/16/2020

Other Professional Activities Relevant to Teaching

- Undergraduate and graduate students research trainer, Department of Biological Sciences, University of North Texas, 01/17/2018-03/16/2020

- Reviewer, Journal of College Science Teaching

Contact information:

Syeda.alam@unt.edu