AGRONOMY SEMINAR SERIES

FALL 2025

MONDAY, SEPTEMBER 22, 2025

2:30 P.M. LILY 2-425

Attend virtually via Zoom

Seminar links will be posted at: purdue.ag/agryseminars

Dr. Md. Shofiqul Islam is a Research Scientist in the Genetics Laboratory at the Indiana Crop Improvement Association (ICIA), Lafayette, IN. At ICIA, he is responsible for developing molecular tools for estimating the genetic purity of hybrids of row crops and/or assisting the marker-assisted breeding program of plant breeding companies. He earned his Ph.D. in Genetics in 2013 from Aarhus University, Denmark, and M.S. in Genetics and Plant Breeding from Bangladesh Agricultural University, Bangladesh. During his Ph.D., he characterized for the first time the mitochondrial genome in wild-type and cytoplasmic male sterile perennial ryegrass. Dr. Islam published 15 peer-reviewed articles in the leading journals in his field and numerous abstracts in major conference proceedings. He received an Erasmus Mundus scholarship in 2008 from the European Commission for the M.Sc. program in Sustainable Forest and Nature Management at the University of Copenhagen in Denmark. He also received an independent research grant in 2019 during his post-doc fellowship program from the Noble Research Institute, Oklahoma. He is a co-chair of the nucleic acid working group of the Analytical Excellence Through Industry Collaboration (AEIC) consortium. He is passionate about utilizing the resources available between ICIA and Purdue University to promote joint research collaboration.

MD. SHOFIQUL ISLAM, PH.D.

RESEARCH SCIENTIST
INDIANA CROP IMPROVEMENT ASSOCIATION (ICIA)
HOST: DR. TORBERT ROCHEFORD

ICIA R&D Overview and Potential Collaboration

Indiana Crop Improvement Association (ICIA) is a non-profit seed testing laboratory, providing laboratory test services to member customers since 1900. At ICIA, we provide field inspections, seed testing, seed & grain genetic testing services to customers. Apart from the above-mentioned services, ICIA has a long history of collaborating with universities and member seed companies to conduct research projects to address challenging genetic testing needs for the grain and food industries. In this seminar, I will present some of our R&D projects on molecular marker development to measure trait and genetic purity of the row crops, and potential collaborating opportunities between ICIA and the Purdue Agronomy Department.

PURDUE UNIVERSITY

Agronomy