"What Do Interpolated Nonparametric Confidence Intervals for Population Quantiles Guarantee?", Invited, *Department of Statistics, Oklahoma State University, November 2017.*

"Assessment of Health Effects of Particulate Pollution among Traffic Police in Kathmandu, Nepal using Biomarkers", Shakya, K., Peltier, R., Zhang, Y., and Pandey, B.D., *The 2017 Annual International Society of Exposure Science (ISES) Meeting, Research Triangle Park, October 2017.*

"What Do Interpolated Nonparametric Confidence Intervals for Population Quantiles Guarantee?", *The 2017 Joint Statistical Meetings, Baltimore, August 2017.*

"An Algorithm and A Stategy for Nonparametric Inference under Imperfect Rankings in Ranked-Set Sampling." Invited, *School of Mathematical Sciences, Dalian University of Technology, China, May 2017.*

"An Algorithm with applications in Ranked Set Sampling.", *The 2016 Joint Statistical Meetings, Chicago, August 2016.*

"Multiple comparisons and sequential testing procedures." Invited, *Villanova Center for Analytics of Dynamic Systems, Villanova University, May 2016.*

"The Restricted Scheffe Method Using the Minimal Cone Approach for Multiple Comparisons", *The 2015 Joint Statistical Meetings, Seattle, August 2015.*

"Restricted Scheffe Method Using Minimal Cone Approach for Multiple Comparisons.", *The 2014 Villanova University Department of Mathematics and Statistics colloquium, December 2014.*

"Sequential Testing Procedures for Single-step Methods.", *The 2014 Joint Statistical Meetings, Boston, August 2014.*

"Sequential Testing Procedures for Single-step Methods.", *Oklahoma State University 25th Annual Research Symposium, February 2014.*

"Simultaneous Confidence Intervals Using the Restricted Scheffe Method.", *2013 Oklahoma State University Statistics Department Seminar Series, April 2013.*

"Simultaneous Confidence Intervals Using the Restricted Scheffe Method.", *Oklahoma State University 24th Annual Research Symposium, February 2013.*

SHORT COURSES

"Deep Learning: Build your first Convolutional Neural Network", *Villanova 2019 DREAMS (Discovering Resources and Exploring Advanced Mathematics and Statistics) Program, May 2019.*

"Artificial intelligence is no longer far away. Let's build our first artificial neural network!", *Villanova Math Discovery Boot Camp, May 2018.*

TEACHING EXPERIENCE

Villanova University
STAT 1230 Introductory Statistics I
STAT 1430 Business Statistics
STAT 4310 Statistical Methods
STAT 4480 Data Mining
STAT 5700 Probability
STAT 7404 Statistical Methods
STAT 7405 Statistical Methods II
STAT 8400 Statistical Theory I
STAT 8401 Theory of Statistical Inference
STAT 8406 Regression Analysis
STAT 8480 Data Mining and Analytics
STAT 8490 Deep Learning