

Seminar Talk: “A Simple Method of Estimation and Testing Based on Q-Q Plots.”

Date: 4th August 2026

Speaker: Prof. S. M. Sunoj

On 4th August 2026, Prof. S. M. Sunoj delivered a seminar in the Department of Statistics, University of Calicut, centered on the recent work “*A Simple Method of Estimation and Testing Based on Q-Q Plots.*” He highlighted how the familiar Q-Q plot can be elevated from a mere visual diagnostic to a formal statistical tool. The talk emphasized the Maximum Correlation Estimation (MCE) method, where parameters of a distribution are estimated by maximizing the correlation between sample quantiles and theoretical quantiles. Suitable examples were given to show that this method also enable us to perform goodness-of-fit test. The seminar talk concluded with the message that Q-Q plots apart from visual aids perform a key role in estimation, model discrimination, and hypothesis testing etc.

