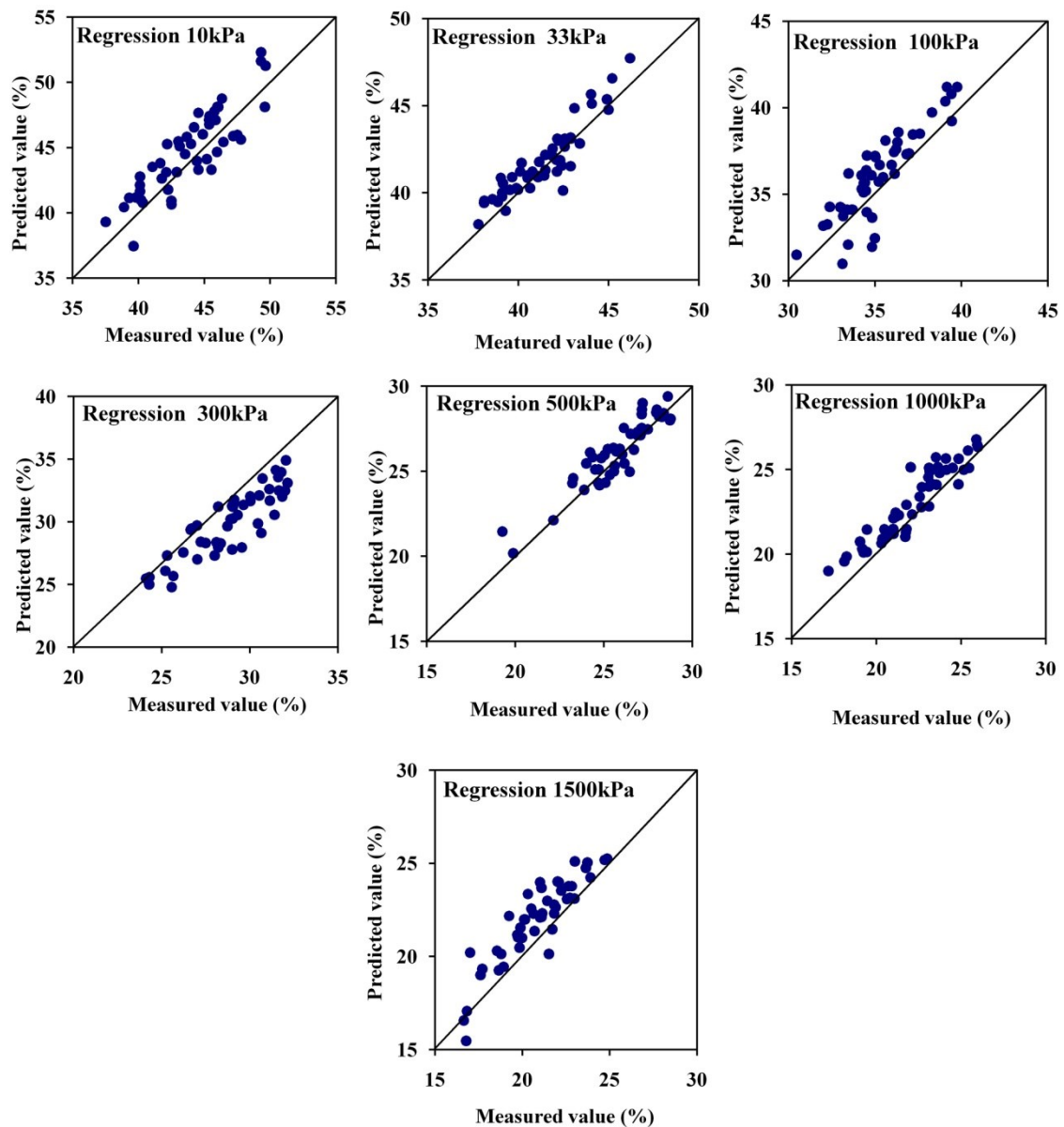
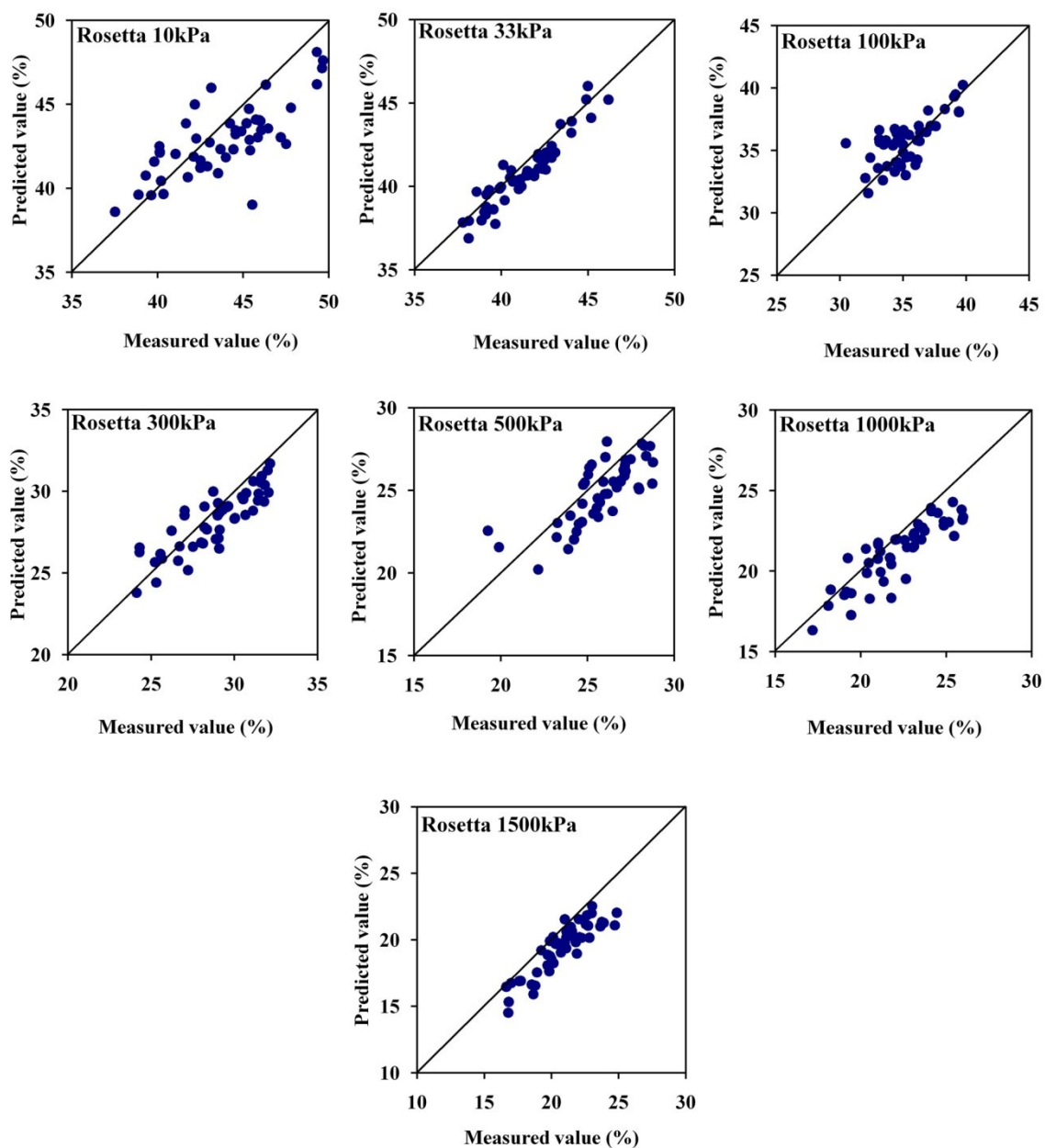


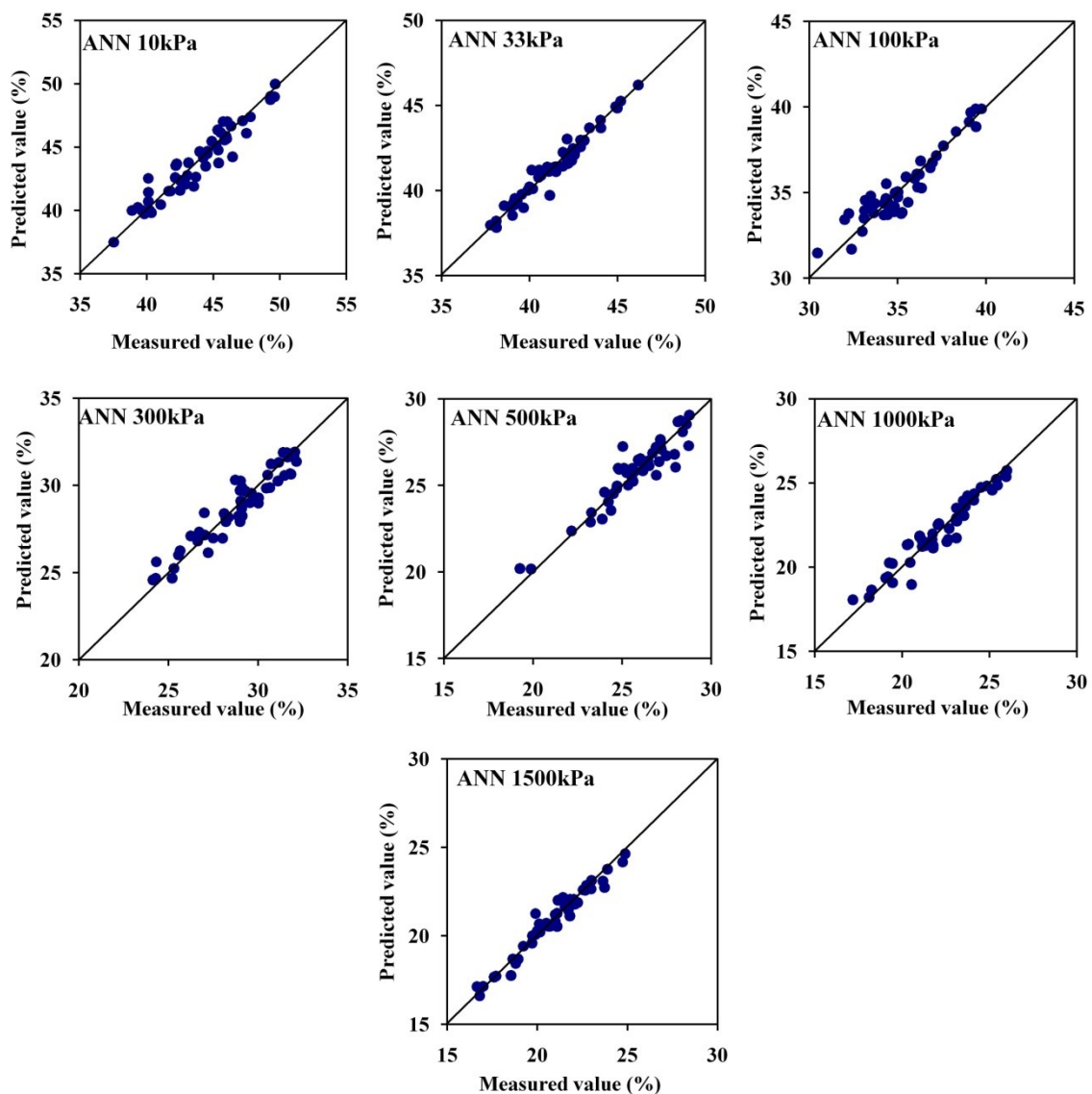
Supplementary Figure S1. Single node in a multi-layer perceptron (MLP) network



Supplementary Figure S2. The scatter plots of the measured vs. predicted water content for testing data using multiple linear regression (MLR) method.



Supplementary Figure S3. The scatter plots of the measured vs. predicted water content for testing data using Rosetta model.



Supplementary Figure S4. The scatter plots of the measured vs. predicted water content for testing data using artificial neural network (ANN) model