List of Abbreviations

ANN  Artificial neural network
DOE  Design of experiments
EFNARC  European federation of national associations representing for concrete
GURLS  Grand unified regularized least square
LS  Lignosulphates
LSSVR  Least squares support vector regression
MAE  Mean absolute error
MAPE  Mean absolute percentage error
MRE  Mean relative error
OPC  Ordinary portland cement
PCE  Polycarboxylic ether
PPC  Portland pozzolana cement
RBF  Radial basis function
RKS  Random kitchen sink
RLS  Regularised least square
RMSE  Root mean square error
SCC  Self compacting concrete
SMF  Sulphonated melamine formaldehyde
SNF  Sulphonated naphthalene formaldehyde
SP  Superplasticizer
SVM  Support vector machine
SVR  Support vector regression