

List of Abbreviations

AAPM	: American Association of Physicists in Medicine
ACR	: American College of Radiology
ADA	: American Diabetes Association
ALA	: Alpha-Linolenic Acid
AM	: Amplitude Modulation
BGL	: Blood Glucose Level
CCD	: Charge Coupled Device
COMP	: Canadian Organization of Medical Physicists
CF	: Calibration Factor
CGMS	: Continuous Glucose Monitoring System
CUSUM	: Cumulative Sum
CI	: Confidence Interval
D-Glucose	: Dextro-Glucose
DF	: Degrees of Freedom
DSO	: Digital Storage Oscilloscope
EHF	: Extended Huygens-Fresnel
EDTA	: Ethylene Di-amine Tetra-acetic Acid
FAD	: Flavin Adenine Dinucleotide
FFT	: Fast Fourier Transform
GmbH	: Gesellschaft mit beschränkter Haftung
GOD/POD	: Glucose Oxidase/ Peroxidase
IcG	: Indo cyanine Green
IDF	: International Diabetes Federation
IF	: Interstitial fluid
IMS-BHU	: Institute of Medical Sciences-Banaras Hindu University
IR	: Infra Red
ISO	: International Organization for Standardization
LA	: Linoleic Acid
LED	: Light Emitting Diode
MAE	: Mean Absolute Error

%MARE	: Percentage of Mean Absolute Relative Error
MdAE	: Median Absolute Error
%MdARE	: Percentage of Median Absolute Relative Error
MATLAB	: Matrix Laboratory
MUS-IR	: Modulated Ultra Sound-Infra Red
NADH	: Nicotinamide Adenine Dinucleotide
NBM	: Noninvasive Blood Monitor
NIR	: Near Infra Red
OCT	: Optical Coherence Tomography
OGTT	: Oral Glucose Tolerance Test
PA	: Photo Acoustic
P-BGL	: Predicted-Blood Glucose Level
PBS	: Phosphate Buffer Solution
PCA	: Principal Component Analysis
PLS	: Partial Least Squares
RBC	: Red Blood Corpuscles
R-BGL	: Reference-Blood Glucose Level
RMSE	: Root Mean Squared Error
r value	: Correlation Coefficient
SD	: Standard Deviation
SNR	: Signal to Noise Ratio
SEP	: Standard Error of Prediction
SPA	: Scattering Photoacoustic
TCRS	: Trans Cutaneous Raman spectroscopy
TM	: Trade Mark
TOF	: Time of Flight
USR	: Ultra Sound Receiver
UST	: Ultra Sound Transmitter
UV	: Ultra Violet