LIST OF ABBREVIATIONS

HPLC	=	High Performance Liquid Chromatography
®	=	Registered Trademark
-	=	minus
™	=	trademark
%	=	percent
°C	=	Degree Celsius
µmol	=	Micromole
µL	=	Microliter
ANSI	=	American National Standards Institute
BMAA	=	beta-Methylamino-L-alanine
C	=	Carbon
CAPP	=	Cold Atmospheric Pressure Plasma
CO_2	=	Carbon Dioxide
Cu^{2+}	=	Copper (II) ion
ESA	=	European Space Agency
EU	=	European Union
FDA	=	Food and Drug Administration
GC-MS	=	Gas Chromatography–Mass Spectrometry
HACCP	=	Hazard Analysis and Critical Control Point
HPLC	=	High Performance Liquid Chromatography
ICP-AES	=	Inductively Coupled Plasma Atomic Emission Spectrometry
ICP-MS	=	Inductively Coupled Plasma Mass Spectrometry
ISO	=	International Organization for Standardization
IR	=	Infrared light
K	=	Potassium
LED	=	Light Emitting Diode
OD	=	Optical Density

LIST OF ABBREVIATIONS (Continued)

TCA Cycle	=	Tricarboxylic Acid Cycle
ToF-SIMS	=	Time-of-Flight Secondary Ion Mass Spectrometry
FAO	=	Food and Agriculture Organization of the United Nations
FTIR	=	Fourier Transform Infrared Spectroscopy
GMO	=	Genetically Modified Organism
GMP	=	Good Manufacturing Practice
P	=	Phosphorus
PBRs	=	Photobioreactors
PCA	=	Principal Component Analysis
PCs	=	Principal Components
pH	=	Positive Potential of the Hydrogen ions
PLS-DA	=	Partial Least Squares Discriminant Analysis
PS I	=	Photosystem I
PS II	=	Photosystem II
m^2	=	Square Meter
Mg^{2+}	=	Magnesium (II) ion
N	=	Nitrogen
NASA	=	National Aeronautics and Space Administration
Ni^{2+}	=	Nickel (II) ion
R^2	=	Coefficient of Determination
ROS	=	Reactive Oxygen Species
RMSEC	=	Root Mean Square of Calibration
RMSECV	=	Root Mean Square Error of Cross Validation
s	=	second
SDS-PAGE	=	Sodium Dodecyl Sulfate–Polyacrylamide Gel Electrophoresis
sp.	=	species
SB	=	Super Blue
SBL	=	Super Blue Long
SL	=	Super Long

LIST OF ABBREVIATIONS (Continued)

SUT	=	Suranaree University of Technology
USDA	=	United States Department of Agriculture
XAFS	=	X-ray Absorption Fine Structure
XPS	=	X-ray photoelectron spectroscopy
XRD	=	X-ray Diffraction
ZM	=	Zarrouk's medium
Zn^{2+}	=	Zinc (II) ion