

List of abbreviations

ANOVA – Analysis of variance

CCD – Central composite design

LB – Luria Bertani medium

OD 600 – Optical density at 600nm

p-value – Probability value

RPM – Revolutions per minute

RSM – Response surface methodology

OFAT – One factor at a time

DOE – Design of experiments

FTIR – Fourier transformed infrared spectroscopy

CD – Circular dichroism analysis

SDS - Sodium dodecyl sulfate.

OMEGA - Offshore membrane enclosure for growing algae

g/l – Gram per liter

hr/hrs – hour/hours

min - minutes

LB – Luria Bertani medium

YE – Yeast extract

MATH – Microbioal Adhesion to hydrocarbons

nm – Nanometers

g – Acceleration due to gravity (m/s)

V = Potential difference in volts (voltage)