

Abbreviations

AAS – Atomic absorption spectroscopy

BOD – Biochemical oxygen demand

BS – Bio-surfactants

CAGR – Compound annual growth rate

CCEA – Cabinet committee of economic affairs

CIPHET – Central Institute of Post Harvesting Engineering & Technology

CFU – Colony forming units

CHN – Carbon Hydrogen Nitrogen

CMC – Critical micelle concentration

CMD – Critical micelle dilution

COD – Chemical oxygen demand

DEPT – Distortionless enhancement by polarization transfer

DLS – Dynamic light scattering

DMSO – Dimethyl sulfoxide

EBP – Ethanol blending program

ELSD – Evaporative light scattering detector

ESIMS – Electrospray ionization mass spectrometry

FTIR – Fourier transform infrared spectroscopy

GDP – Gross domestic product

HMBC – Heteronuclear multiple – bond correlation

HPLC – High pressure liquid chromatography

HSQC – Heteronuclear single quantam coherence spectroscopy

IFT – Interfacial tension

ICP – Inductive coupled plasma

IMTECH – Institute of microbial technology

MEOR – Microbial enhanced oil recovery

MT – Million tons

NMR – Nuclear magnetic resonance spectroscopy

OOME – Olive oil mill effluent

PEG – Polyethylene glycol

PKN – Phosphorus potassium and nitrogen

ROESY – Rotating frame overhauser effect spectroscopy

SANS – Small angle neutron scattering

SFT – Surface tension

SMF – Submerged fermentation

SSF – Solid state fermentation

SXAS – Small angle x-ray scattering

TDS – Total dissolved solid

TEM – Transmission electron microscopy

TLC – Thin layer chromatography

TOCSY – Total correlation spectroscopy

TSS – Total suspended solid

TDRI – Tropical development and research institute

VVM – Gas volume flow per unit liquid volume per minute

WAC – Wood based activated carbon