

## ABBREVIATIONS/SYMBOLS USED

$^{13}\text{C}$	Carbon-13 isotope
Cat.	Catalyst
$\text{CDCl}_3$	Deuterated chloroform (used as NMR solvent)
CHN	Carbon Hydrogen Nitrogen
COSY	Correlation Spectroscopy
NOESY	Nuclear Overhauser Effect Spectroscopy
DEPT	Distortionless Enhancement Polarization Transfer
HETCOR	Heteronuclear Correlation
DCM	Dichloromethane
FT-IR	Fourier Transform-Infrared
gm	Gram
h	Hour
min	Minute
Hz	Hertz
i.e.	That is
<i>J</i>	Coupling constant (in NMR)
s	Singlet (NMR)
d	Doublet (NMR)
t	Triplet (NMR)
m	Multiplet (NMR)
<i>o</i>	Ortho
<i>m</i>	Meta
<i>p</i>	Para
Me	Methyl
MeOH	Methanol
EtOH	Ethanol
mg	Milligram
mL	Milli Litre
mmol	Milli Mole
mol	Mole
m.p.	Melting Point

MWI	Microwave Irradiation
NMR	Nuclear Magnetic Resonance
No.	Number
ppm	Parts per million (in NMR)
rt	Room Temperature
PTSA	Para Toluene Sulfonic acid
TLC	Thin Layer Chromatography
UV	Ultra Violet
VOC	Volatile Organic Compound
W	Watt
°C	Degree Celsius
%	Percentage
<, >	Greater or smaller than
$\delta$	chemical shift (in NMR)
[DSIM]	Di-sulfonic Imidazolium
[DSTMG]	Di-sulfo-tetramethyl Guanidinium
[TPSP]	Tri-phenylsulfo Phosphonium
[DEDSA]	di-ethyl-di-sulfo ammonium
Fig.	Figure
$\lambda$	Wavelength
IL	Ionic Liquid