

## **LIST OF ABBREVIATIONS**

<b>AFM</b>	Atomic Force Microscope
<b>DSC</b>	Differential Scanning Calorimetry
<b>FTIR</b>	Fourier Transformation Infrared
<b>GPC</b>	Gel Permeation Chromatography
<b>NMR</b>	Nuclear Magnetic Resonance
<b>SANS</b>	Small Angle Neutron Scattering
<b>SEM</b>	Scanning Electron Microscope
<b>TEM</b>	Transition Electron Microscope
<b>TGA</b>	Thermo Gravimetric Analysis
<b>UTM</b>	Universal Testing Machine
<b>XRD</b>	X-ray Diffraction
<b>BD</b>	Butanediol
<b>CNTs</b>	Carbon Nanotubes
<b>CPT</b>	Camptothecin
<b>DAPI</b>	4', 6-Diamidino-2-Phenylindole Dihydrochloride
<b>DBTDL</b>	Dibutyltin Dilaurate
<b>DMEM</b>	Dulbecco's Modified Eagle's Medium
<b>DMF</b>	Dimethyl Formamide
<b>EG</b>	Ethylene Glycol
<b>GO</b>	Graphene Oxide
<b>HMDI</b>	Hexamethylene Diisocyanates
<b>HSC</b>	Hard Segment Content
<b>IE</b>	Inhibition Efficiency
<b>IPDI</b>	Isophorone Diisocyanate
<b>LDH</b>	Layered Double Hydroxides
<b>MDI</b>	4, 4' -Diphenylmethane Diisocyanate
<b>MPTES</b>	3-Methacryloxypropyl Trimethoxysilane
<b>MTT</b>	4, 5-Dimethylthiazol-2-yl-2,5-Diphenyltetrazolium Bromide
<b>PCE</b>	Power Conversion Efficiency
<b>PEI</b>	Polyethyleneimine
<b>PTMG</b>	Poly Tetra Methylene Glycol
<b>PU</b>	Polyurethane
<b>RBCs</b>	Red Blood Corpuscles
<b>RES</b>	Reticuloendothelial