Sl. No.	LIST OF TABLES			
1.1.	Properties and applications of some bio-based PU, HBPU, WPU and	1-7		
1.2.	PUNC List of some important di/poly-isocyanates used in PU synthesis	1-10		
1.3.	List of some important commercial and bio-based macroglycols	1-12		
	used in PU synthesis			
1.4.	List of some important chain extenders used in PU synthesis	1-14		
1.5.	List of some important PU catalysts	1-5		
1.6.	Classification of some important nanomaterials according to	1-17		
	dimensional magnitude			
2A.1.	Compositions of the reactants for the synthesized polymers	2-7		
2A.2.	Compositions of TPUUs	2-8		
2A.3.	Weight average molecular weight ($M_{\rm w}$), number average molecular	2-11		
	weight (M_n) , polydispersity index (PDI) and solution viscosity of HPUUs, LPUU and LPU	f		
2A.4.	Kinetic parameters of cross-linking kinetics	2-19		
2A.5.	Mechanical properties of HPUUs, LPUU, LPU and TPUUs	2-20		
2A.6.	Chemical resistance (in terms of % weight loss) of HPUUs, LPUU LPU and TPUUs	, 2-22		
2B.1.	Compositions of the reactants for the synthesized polymers	2-30		
2B.2.	Weight average molecular weight (M_w) , number average molecular weight (M_n) , polydispersity index (PDI) and solution viscosity of			
	WHPUs			
2B.3.	Mechanical properties of WHPUs	2-35		
3.1.	Compositions of MWPUs	3-6		
3.2.	Curing parameters of MWPUs	3-9		
3.3.	Mechanical properties of MWPUs	3-12		
3.4.	Chemical resistance (in terms of % weight loss) of MWPUs	3-15		
4.1.	Mechanical properties of PNCs	4-13		
5.1.	Biochemical profiles of control and CDP-f-PU treated male Swiss albino mice	5-25		

5.2.	Haematological parameters of control and CDP-f-PU treated male						
	Swiss albino mice						
6.1.	Mechanical properties of nanocomposites						
7.1.	Mechanical properties of WHPU/NiFe ₂ O ₄ @rGO nanocomposite						
7.2.	Shape	memory	parameters	of	WHPU/NiFe ₂ O ₄ @rGO	7-18	
	nanocomposite						