SUMMARY AND CONCLUSIONS
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This dissertation consists of five chapters.

Chapter-I, deals with a brief introduction about the polymer composites in general and the green composites in particular. In the same chapter, the literature surveyed by the author in the field of research is presented. The aim, scope and the future plan of work are also presented in the same chapter.

Chapter-II, deals with the materials and methods employed in the present piece of research. In this same chapter, a brief description of the instruments used by the author is given.

Chapter-III, deals with the performance of the Polycarbonate thermoplastic coated fabric. This chapter deals with the tensile properties of polycarbonate coated *Hildegardia Populifolia* fabric with and without alkali-treatment in the presence of coupling agent are presented. In the same chapter POM, SEM and chemical resistance if fabrics are also presented.

Chapter-VI, deals with the performance of Polystyrene thermoplastic coated fabric. In this chapter, the tensile properties of both untreated and alkali treated uncoated and polystyrene coated *Hildegardia Populifolia* fabric in the presence and absence of coupling agent. In the same chapter POM, SEM and chemical resistance are also presented.
Chapter-V, deals with the performance of the matrix PC/PMMA coated fabric. In this chapter the tensile strength and morphology of the coated and uncoated in the absence and presence of the coupling agent are also presented.

At the end of the dissertation, the list of published and accepted for publication papers is given along with the reprints received. As future plan of work, the author make the green composites using the natural fabric and the thermoplastics PC, PMMA and PS.