

CHAPTER 53

TECHNOLOGY
APPLIED CHEMISTRY & POLYMER
TECHNOLOGY

Doctoral Theses

640. SUDHA
Investigations on Helical Conducting Polymers.
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1. Introduction. 2. Characterization techniques. 3. Investigations on optical and structural properties of chiral acids doped conducting polyaniline. 4. Investigations on chiroptical behavior of optically active polyaniline in presence of secondary dopants- chiral amino acids. 5. Role of saturated solutions of chiral amino acids in synthesis and phase segregation within optically active polyaniline. 6. Chiral pani reinforced polyacrylamide nano-composite hydrogels. 7. Conclusion, references and appendix.