



## Polymer and monomer ligands of Schiff bases with various applications

By Murat Aydemir

LAP LAMBERT Academic Publishing. Paperback. Condition: New. 64 pages. Dimensions: 8.7in. x 5.9in. x 0.1in. Polymers derived from monomer Schiff bases are generally synthesized by polycondensation reaction between diamine and a dialdehyde or diketone. The major handicap of Schiff base polymers (SBPs) is their inadequate solubility in most organic solvents because of the rigid chain structure of polymers. The insertion of flexible bonds between main chain aromatic rings is a kind of example to carry off the solubility limitation properties of SBP. In the present study I tried to emphasize the versatile and useful aspects of different kinds of ligands and their polymer compounds with their current interested properties and applications. Presenting good mechanical strength, well-chosen thermal stability, metal chelating ability, nonlinear optical, semi-conducting liquid crystal and fiber-forming properties are the particular classifications of the aromatic polyazomethines or Schiff base polymers. And also these kinds of compounds may lead to treat some medical disease with the effects of DNA cleavage. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.



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