



## Heterogeneous and Homogeneous Chiral Catalysts

By Kavita Pathak

LAP Lambert Academic Publishing Aug 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x11 mm. This item is printed on demand - Print on Demand Neuware - The work embodied in this book comprises of brief introduction of chiral homogeneous and heterogeneous asymmetric catalysis. Research work presented in this book presents synthesis and physicochemical characterization of mesoporous materials MCM-41 and SBA-15 and used them as supports for immobilization of chiral BINOL, immobilization of chiral BINOL on mesoporous materials SBA-15 and MCF of relatively large pore size and used as active catalysts for asymmetric diethylzinc addition to aldehydes, synthesis of chiral recyclable salen based metal complexes, new chiral polymeric Zn(salen) catalyst and used as a heterogeneous catalyst in asymmetric phenylacetylene addition to carbonyls, synthesis of chiral dimeric and polymeric Mn(III) salen complexes respectively. These complexes were used as recyclable catalysts in oxidative kinetic resolution of racemic secondary alcohols. 176 pp. Englisch.



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