Title:	Synthesis of Nitrogen containing liner polymer
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Abstract:	Various type of polyesters have been studied in past years. Methods used for the preparations are, esterification, transesterification, Acylation and Ring opening polymerization etc. We have focused to synthesize N-containing polyesters by using melt-transesterification conditions In our current study, we set our goal towards synthesizing two ‘AA’ type monomers 2,6- pyridine dicarboxylic acid, 2,6-diethyl ester (M 1) and 2,6-pyridine dicarboxylic acid, 2,6-diethyl ester (M 2) followed by polymerization of these monomers with Hexanediol (BB type) via melt transesterifications. Resulting polymers are named as Polymer 1 and Polymer 2 respectively as per our observation the polymer 1 has a higher kinetic rate relative to the polymer 2. The synthesis and kinetic studies of these two polymers have discussed in this report.
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