FUTURE PROSPECTS.....
Since the same strain of the *Thraustochytrium* sp produced both protease and lipase under different culture conditions, it would be interesting but challenging if the conditions could be optimized further in such a way that the said organism would produce both the enzymes using a single medium. The combined lipolytic and proteolytic action could prove beneficial in the detergent as well as the leather industry.

In the present study, the lipase and protease were purified to homogeneity. They could be further studied with respect to their amino acid sequence and three-dimensional structure. Amino acid sequencing analysis may help in deriving evolutionary relationships of this thraustochytrid with others.

The production of the enzymes could be further improved to a pilot scale. Commercial exploitation of the enzyme activities may be pursued.

The enzymes may be suitably immobilized to get a formulation favoring incorporation in laundry detergents.

With respect to properties of the protease and its capability for degradation of different protein sources, this alkaline protease may find a potential application in waste treatment.

Enzyme mediated oil extraction from different oil seeds could be looked into.