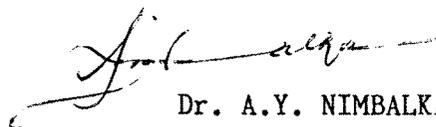


C E R T I F I C A T E

This is to certify that Shri Ganapati T. Yadav has duly completed his dissertation for the degree of M.Phil. of Shivaji University, Kolhapur and his dissertation is up to standard, both in respect of its contents and literary presentation for being referred to an examiner.

I further certify that the entire work of dissertation has been carried out by the candidate under my supervision and guidance in the Department of Chemistry, Shivaji University, Kolhapur. The work done is original and no part of it has been submitted for any degree or diploma of any University or Institute previously.

January 29, 1990



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