



केन्द्रीय औषधि अनुसंधान संस्थान

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CERTIFICATE

This is to certify that the research work embodied in this thesis entitled "Molecular cloning, Overexpression, Purification and Characterization of Triose Phosphate Isomerase enzyme of *Leishmania donovani*" has been carried out by Mr. Kishore Kumar, at Division of Biochemistry, Central Drug Research Institute, Lucknow under my supervision and fulfills the requirement for the degree of Doctor of Philosophy, Jawaharlal Nehru University, New Delhi. This is further certified that the work in this thesis is original and has not been submitted so far, in part or full, for any other degree or diploma of any other University.

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