DECLARATION

I hereby declare that the work presented in the thesis entitled "Development and Characterisation of YBa$_2$Cu$_3$O$_{7.8}$ Thick Films [T$_c$(o) = 92K] on Rare Earth Barium Hafnates: A new class of Perovskite Ceramic Substrates" is based on the original work done by me in the Regional Research Laboratory (CSIR) Trivandrum, and in the School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam, under the joint supervision of Prof. Dr. Jacob Koshy, Head, Electronic Ceramics Division, Regional Research Laboratory and Prof. Dr. M.A. Ittyachen, Director, School of Pure and Applied Physics, Mahatma Gandhi University and that no part thereof has been presented for the award of any other degree or diploma.

Jijimon K. Thomas
November 1996