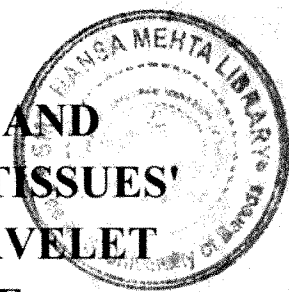


**DIFFERENTIATING NORMAL, CANCER AND
BENIGN HUMAN BREAST AND CERVICAL TISSUES'
FLUORESCENCE SPECTRA THROUGH WAVELET
TRANSFORM AND SINGULAR VALUE
DECOMPOSITION**



**THESIS SUBMITTED TO
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

**FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN
*PHYSICS***



**BY
ANITA GHAREKHAN
OCTOBER 2010**

**Differentiating Normal, Cancer and Benign Human
Breast and Cervical Tissues' Fluorescence Spectra
through Wavelet Transform and Singular Value
Decomposition**



**Thesis submitted to
The Maharaja Sayajirao University of Baroda**

**For the degree of
Doctor of Philosophy
in
*Physics***

**By
Anita Gharekhan**

**Under the Guidance of
Dr. M. B. Sureshkumar**

**Department of Physics, Faculty of Science, The M.S.
University of Baroda, Vadodara, India**

October 2010