

**" STUDIES ON 5' NUCLEOTIDASE ISOLATION  
CHARACTERIZATION AND ROLE "**

**Ph.D. THESIS**

**Submitted to the University of Mysore  
For The Award of**

**DOCTOR OF PHILOSOPHY  
IN  
BIOCHEMISTRY**

**BY**

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**DEPARTMENT OF STUDIES IN BIOCHEMISTRY**

**UNIVERSITY OF MYSORE.**

**MANASAGANGOTHRI, MYSORE—570 006**

**" STUDIES ON 5'NUCLEOTIDASE:  
ISOLATION, CHARACTERIZATION AND ROLE."**

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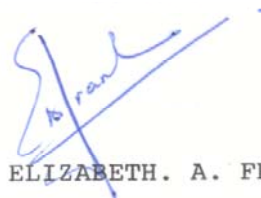
BY  
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UNIVERSITY OF MYSORE  
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INDIA  
JUNE 1994

## DECLARATION

I hereby declare that this thesis entitled "Studies on 5'nucleotidase: Isolation, Characterization and Role" submitted to the University of Mysore for the award of Doctor of Philosophy degree in Biochemistry is the result of the investigations carried out by me under the guidance of Dr. Cletus J.M. D'Souza, Reader, Department of Studies in Biochemistry, Manasagangotri, Mysore during the period 1989 to 1994.

I further declare that I have not submitted any of the results of this investigation for the award of any other degree or diploma.



ELIZABETH. A. FRANK

Place: Mysore

Date :June 1994.



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DEPARTMENT OF BIOCHEMISTRY  
Manasagangotri, Mysore-570 006  
Phone : (0821) 22525 Ext 52

### CERTIFICATE

This is to certify that the thesis entitled **Studies on 5'Nucleotidase: Isolation, Characterization and Role** submitted by Ms Elizabeth A.Frank for the award of the degree of Doctor of Philosophy in Biochemistry of the University of Mysore is the result of original research work carried out by her under my guidance during the period September 1989 to May 1994.

I further certify that the results of this investigation have not been submitted by her for the award of any other degree or diploma.

I also certify that during the course of her research work Ms Elizabeth A.Frank has spent more than 120 days with me in planning and carrying out experiments outlined in this thesis.

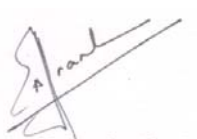
A handwritten signature in blue ink, appearing to read 'Cletus J.M.D'Souza'.

CLETUS J.M.D'SOUZA

Date: June 1994

## DECLARATION

I hereby declare that the thesis entitled **Studies on 5' nucleotidase: Isolation, Characterization and role** has been corrected according to the recommendations made by the examiners. The thesis is now fit for resubmission.



Elizabeth A. Frank

Declaration: I hereby declare that the thesis entitled "Studies on 5'nucleotidase: Isolation, characterization and role" has been corrected according to the recommendations of the foreign examiner. Also the term "Nucleotide hydrolysing phosphatase" has been used in appropriate places instead of "5'nucleotidase".



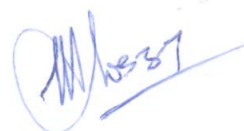
## CERTIFICATE

This is to certify that the thesis entitled **Studies on 5' nucleotidase: Isolation, Characterization and role** has been corrected according to the recommendations made by the examiners. The thesis is now fit for resubmission.



Cletus J.M D'Souza

Certificate: This is to certify that the thesis has been corrected to include "Nucleotide hydrolysing phosphatase" wherever "5' I nucleotidase" had been used. The other changes have also been incorporated and the thesis is now fit for the award of the degree.



Let my sentence come forth from Thy presence

Psalms 17:2

TO

MY PARENTS

MR. E. S. FRANK

MRS. TARA FRANK

AND

MY HUSBAND

DR. PRITPAL SINGH

In all thy ways acknowledge Him.

Proverbs 3:6

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