

CERTIFICATE

I *Mr. Yashonandana J Gowtham*, certify that this thesis entitled “**CROSS-REACTIVITY AND NEUTRALIZATION STUDIES OF INDIAN KING COBRA (*OPHIOPHAGUS HANNAH*) VENOM BY ANTIVENOMS**” is the result of research work done by me under the supervision of *Prof. K. Kemparaju* at the *Department of studies in Biochemistry, University of Mysore, Manasagangothri, Mysore*. I am submitting this thesis for the possible award of the *Doctor of Philosophy* (Ph.D) degree in *Biochemistry* of the *University of Mysore*.

I further certify that this thesis has not been submitted by me for award of any other degree/diploma of this or any other University.

Signature of the Doctoral candidate

Signed by me on:

Signature of the Guide

Date:

Date:

Counter signed by

.....
Signature of Chairperson/ Head of Department/

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This is to certify that the thesis entitled “**CROSS-REACTIVITY AND NEUTRALIZATION STUDIES OF INDIAN KING COBRA (*OPHIOPHAGUS HANNAH*) VENOM BY ANTIVENOMS**” submitted by **Mr. YASHONANDANA J GOWTHAM** for the award of the degree **DOCTOR OF PHILOSOPHY IN BIOCHEMISTRY** from the University of Mysore is the result of the research work carried out by him in the Department of Studies in Biochemistry, University of Mysore, Manasagangothri, Mysore under my supervision during the period 2007-2014.

Place:

Date:

(K. KEMPARAJU)