



जवाहरलाल स्नातकोत्तर आयुर्विज्ञान शिक्षा एवं अनुसंधान संस्थान (जिपमेर), धन्वन्तरि नगर, पुदुच्चेरी - 605 006  
राष्ट्रीय महत्व का संस्थान, स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार  
Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Dhanvantari Nagar, Puducherry - 605 006  
Institute of National Importance, Ministry of Health & Family Welfare, Government of India

**JIPMER INSTITUTE ANIMAL ETHICS COMMITTEE (IAEC)**

Dated: 22.04.2017

**Dr. Vishnu Bhat**  
Faculty Research, JIPMER

**CERTIFICATE**

This is to certify that the Project entitled “**Effect of Nimbolide on Diethylnitrosamine and N-nitrosomorpholine induced experimental hepatocarcinogenesis.**” submitted by Dr. Balasubramaniyan Vairappan, Department of Biochemistry, JIPMER has been approved by the JIPMER Institute Animal Ethics Committee (IAEC) after circulation of the revised protocol on 10.04.2017. A total number of 110 Swiss albino mice are approved for 2 phases [50 for 1<sup>st</sup> phase and 60 for 2<sup>nd</sup> phase] of the experiment. However, for the approval of the number of animals in the second phase (60 animals), the result of the first phase of the experiment has to be presented to the IAEC and proceed further.

  
**Dr. S. Sujatha**  
Member Secretary – IAEC  
JIPMER  
**Professor & Head**  
Department of Microbiology  
JIPMER, Puducherry.

To:  
Dr. Balasubramaniyan Vairappan, Assistant Professor, Department of Neurology, JIPMER, Puducherry -