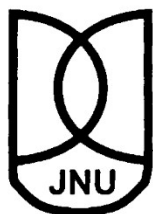


# **STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF EUBACTERIAL DNA LIGASES**

**Thesis**

SUBMITTED TO

JAWAHAR LAL NEHRU UNIVERSITY, NEW DELHI



FOR THE AWARD OF THE DEGREE OF  
**DOCTOR OF PHILOSOPHY**

*By*

**VANDNA**



**MOLECULAR & STRUCTURAL BIOLOGY DIVISION  
CENTRAL DRUG RESEARCH INSTITUTE  
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)  
LUCKNOW - 226001, INDIA**

**2011**