

**PURIFICATION AND CHARACTERIZATION  
OF L-ASPARAGINASE (EC 3.5.1.1) FROM  
*Erwinia aroideae* NRRL B-138 AND  
ACTIVE SITE STUDIES**

By  
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DEPARTMENT OF CHEMISTRY  
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DEDICATED  
TO  
MY PARENTS

## CERTIFICATE

This is to certify that the thesis entitled, "Purification and Characterization of L-Asparaginase (EC 3.5.1.1) from Erwinia aroideae NRRL B-138 and Active Site Studies" being submitted by Nirupama Tiwari to the Indian Institute of Technology, Delhi for the award of the degree of 'Doctor of Philosophy', is a record of bonafide research work carried out by her. Nirupama Tiwari has worked under my guidance and supervision and has fulfilled the requirements for the submission of this thesis, which to my knowledge, has reached the requisite standard.

The results contained in this thesis have not been submitted in part or full to any other University or Institute for the award of any degree or diploma.



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