

**SYNTHESIS, BIOLOGICAL AND COMPUTATIONAL EVALUATION  
OF SOME NEW CHALCONES AND 1,5-BENZOTHAZEPINES AS  
POTENTIAL ANTIMICROBIAL AND CYTOTOXIC AGENTS**



*THESIS SUBMITTED TO THE ANDHRA UNIVERSITY IN PARTIAL  
FULFILMENT FOR THE AWARD OF THE DEGREE OF*

**DOCTOR OF PHILOSOPHY  
IN  
PHARMACEUTICAL SCIENCES**

Submitted By

**CHEEPURUPALLI PRASAD**  
M.Pharm.,

Under the supervision of

**Prof. Y. RAJENDRA PRASAD**  
M.Pharm., Ph.D.,

**AU COLLEGE OF PHARMACEUTICAL SCIENCES  
ANDHRA UNIVERSITY  
(An ISO 9001:2008 Quality Certified Institution)  
VISA KHAPATNAM-530003**

**2013**