

**Abiotic Stress Tolerance Processes in Rice (*Oryza sativa* L.):  
Studies on the Role of Abscisic acid and  
Proline-Biomacromolecular interactions**

A thesis submitted to the  
University of Hyderabad  
for the degree of  
**DOCTOR OF PHILOSOPHY**

by

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This is to certify that I, S.V. **RAJENDRAKUMAR CH.** have carried out the research work embodied in the present thesis entitled "*Abiotic stress tolerance processes in rice (Oryza sativa L): Studies on the role of abscisic acid and proline-biomacromolecular interactions*" in the Department of Plant Sciences, School of Life Sciences, University of Hyderabad under the supervision of **Prof. Arjula Ramachandra Reddy**, for the full period prescribed under the Ordinance of the University.

I declare that no part of this thesis was earlier submitted for the award of research degree or diploma of any University or Institute.

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### **Declaration**

I hereby declare that the work presented in this thesis entitled "*Abiotic stress tolerance processes in rice (Oryza sativa L) : Studies on the role of abscisic acid and proline-biomacromolecular interaction*" has been carried out by me under the supervision of **Prof. Arjula Ramachandra Reddy**, Department of Plant Sciences, School of Life Sciences, University of Hyderabad and this has not been submitted for a degree or Diploma of any other University or Institute. All assistance and help received during the course of the investigation have been duly acknowledged.

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