

**PHENOTYPING OF BRUCHID RESISTANCE AND MAPPING IN INTER-SPECIFIC  
POPULATIONS OF *Vigna radiata* (L.) Wilczek AND *Vigna umbellata* (Thunb.)  
Ohwi and Ohashi**

By

**DEVINA SERAM  
I.D. No. 13-603-007**

**DEPARTMENT OF AGRICULTURAL ENTOMOLOGY  
CENTRE FOR PLANT PROTECTION STUDIES  
AGRICULTURAL COLLEGE AND RESEARCH INSTITUTE  
TAMIL NADU AGRICULTURAL UNIVERSITY  
COIMBATORE - 641 003**

**2018**

**PHENOTYPING OF BRUCHID RESISTANCE AND MAPPING IN INTER-SPECIFIC  
POPULATIONS OF *Vigna radiata* (L.) Wilczek AND *Vigna umbellata* (Thunb.)  
Ohwi and Ohashi**

*Thesis submitted in partial fulfillment of the requirement for the degree of*  
**DOCTOR OF PHILOSOPHY IN AGRICULTURAL ENTOMOLOGY**  
*to the Tamil Nadu Agricultural University, Coimbatore - 641 003*

By

**DEVINA SERAM**  
**I.D. No. 13-603-007**

**DEPARTMENT OF AGRICULTURAL ENTOMOLOGY  
CENTRE FOR PLANT PROTECTION STUDIES  
AGRICULTURAL COLLEGE AND RESEARCH INSTITUTE  
TAMIL NADU AGRICULTURAL UNIVERSITY  
COIMBATORE - 641 003**

**2018**