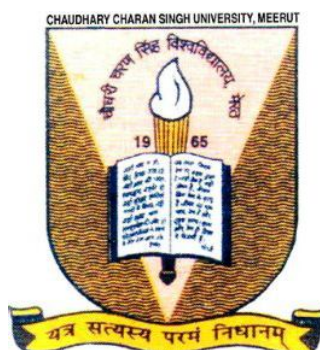


# INHERITANCE OF SEED AND SEEDLING VIGOR IN PEA (*Pisum sativum* L.)



**THESIS**  
**Submitted**  
**For**  
**THE AWARD OF THE DEGREE OF**  
**DOCTOR OF PHILOSOPHY**  
**IN**  
**AGRICULTURAL BOTANY**  
**(Genetics and Plant Breeding)**

**By**  
**ISHRAT AHMED LONE**  
**INSPIRE Fellow (DST)**  
**M. Sc. (Agr.) Seed Science & Tech (Gold Medalist)**

**Under the supervision of**

**Dr. S.D. Tyagi**  
M. Phil. (Agr.) Ph.D.  
Reader  
Deptt. of Agricultural Botany  
Kisan (P.G.) College Simbhaoli, Hapur

**DEPARTMENT OF AGRICULTURAL BOTANY**  
**KISAN (P.G.) COLLEGE SIMBHAOLI, HAPUR**  
**CH. CHARAN SINGH UNIVERSITY, MEERUT**  
**2013**