

Peanut Breeding and Genetic Resources

C. Corley Holbrook

U.S. Department of Agriculture–ARS

P.O. Box 748

Tifton, Georgia 31793

H. Thomas Stalker

Department of Crop Sciences

North Carolina State University

P.O. Box 7620

Raleigh, North Carolina 27695

- I. INTRODUCTION
- II. EVOLUTION AND TAXONOMY
- III. REPRODUCTIVE DEVELOPMENT
- IV. CYTOGENETICS AND GENOMES
- V. GENETIC RESOURCES
 - A. Collections
 - B. Germplasm Exchange
 - C. Core Collections
- VI. BREEDING PEANUT
 - A. Conventional Breeding Methods
 - B. Marker-Assisted Selection
 - C. Interspecific Hybridization
 - D. Transgenic Technology
- VII. SUMMARY
- LITERATURE CITED