Introduction

Suggested Angiosperm Ancestors

Gnetales

Gigantopteriales

Glossopteridales

Sanmiguelia

Leptostrobus

Caytonia

Bennettitales

Umkomasia

Problematospermum

Dirhopalostachyaceae

Ktalenia

Pentoxylales

Summary

Angiosperms: Characters and Criteria

Angiospermous Characters

Leaf Venation

Vessel Elements in the Xylem

Closed Carpel, or Enclosed Ovule/Seed

Bitegmic Ovule

Double Fertilization

Tetrasporangiate Anther

Pollen Tube

Tectate-Columellate Pollen Grains

Developmental Pattern

Chemical Species

Criterion for Criteria

Criterion for Fossil Angiosperms

Background for the Plant Fossils

Stratigraphy

Faunas

The Jiulongshan Fauna

The Yixian Fauna

Floras

The Jiulongshan Flora

The Yixian Flora

Flowers from the Early Cretaceous

Chaoyangia

Previous Studies

Misunderstanding and Clarification