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Agnes Arber (1879–1960) was a prominent British botanist specialising in plant morphology, who focused her research on the monocotyledon group of flowering plants. She was the first female botanist to be elected a Fellow of the Royal Society, in 1946. This volume, first published as part of the Cambridge Botanical Handbooks series in 1925, provides an anatomical and comparative study of the monocotyledon group of plants with an analysis of the methods and objects of studying plant morphology. At the time of publication, comparative anatomy and morphology were the centre of botanical investigation; however there were differences between British and continental biologists concerning the aims of morphological study. In the introduction to this volume Arber reconciled these views by describing a distinction between pure and applied morphology, interpreting the differences in monocotyledonous species in light of this. The book contains an extensive bibliography and 160 figures.

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