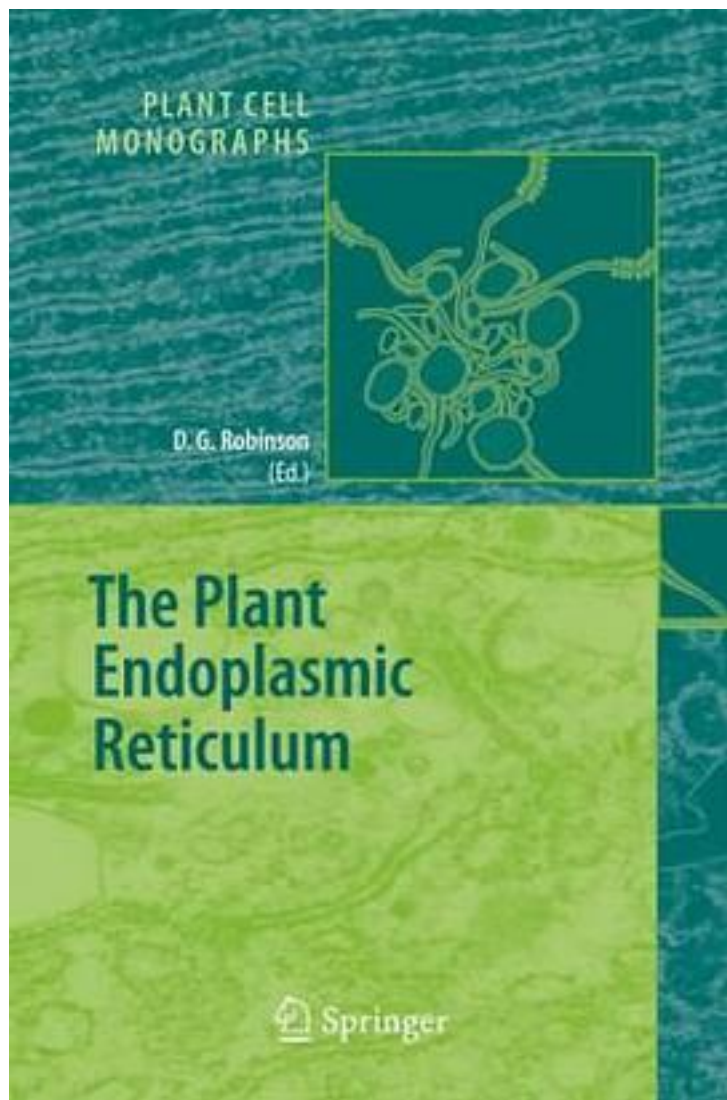


# The Plant Endoplasmic Reticulum



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The endoplasmic reticulum (ER), called "the mother of all membranes," is spotlighted in this timely new book. The work presented here is especially exciting since GFP-technology has provided new ways of looking at the dynamics of the ER and its relationship to other organelles, particularly the Golgi apparatus and peroxisomes. This book provides in-depth knowledge of the ER and the diverse roles it plays, for instance, in protein trafficking, homeostasis of cellular calcium, plant hormone and lipid synthesis. These manifold activities are reflected in the great plasticity of the ER as a structure, with more than a dozen specialized domains recognized for this organelle.

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目录:

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